CATALOGUE

UNIVERSITY OF WASHINGTON

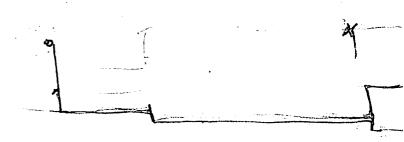
FOR 1921-1922

ANNOUNCEMENTS FOR 1922-1923



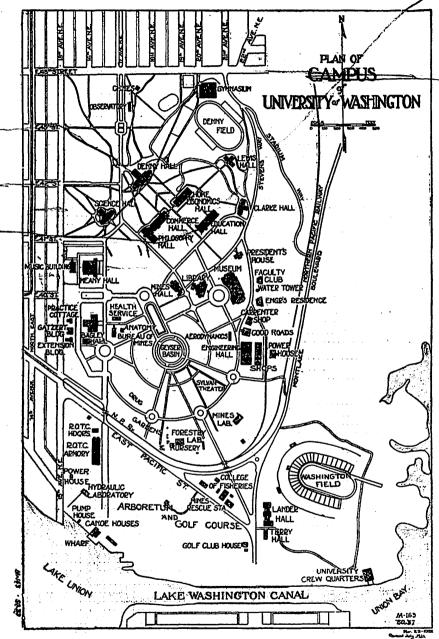
SEATTLE, WASHINGTON

University of Washington Press 1922



NOTICE

The University and its various schools and departments reserve the right to change rules regulating admission to the University and its schools, and any other regulations affecting the student body, or the granting of degrees, and such regulations shall go into force whenever the proper authorities may determine, and shall apply not only to prospective students, but also to those who may, at such time, be matriculated in the University. The University also reserves the right to withdraw courses at any time.



The University Campus, comprising 582 acres, 109 of which are open water, lies between Fifteenth Avenue Northeast and Lake Washington, and East Forty-fifth Street and Lake Union. Ravenna and Cowen Park cars run one block west of the campus. The offices of administration are located in Education hall and are best reached by leaving the car at East Forty-second Street and University Way.

CONTENTS

•	Page
LOCATION OF UNIVERSITY	3
CALENDAR	6
BOARD OF REGENTS	7
OFFICERS OF ADMINISTRATION	8
FAGULTY	11
BOARDS AND COMMITTEES	24
THE UNIVERSITY	25
Historical Sketch	25 27
GENERAL INFORMATION	88
The University Organization	38
Admission to the University	40
List of Accredited Schools	42 48
Registration	48
Expenses	49 53
Student Help	58
Degrees	53
Normal Diplomas	54
Fellowships, Scholarships and Aid	54 57
Student Loan Funds	58
Associations and Clubs	28
General Scholastic Regulations	60
COLLEGE OF LIBERAL ARTS	66 69
Requirements for the degree of Bachelor of Arts	70
Curriculum	71
COLLEGE OF SCIENCE	74
Admission	76 76
Curricula	76
COLLEGE OF EDUCATION	88
Admission	91 92
Requirements for the degree of Bachelor of Education	
Curricula	95
LIBRARY SCHOOL	
Admission	102
Curricula	
COLLEGE OF BUSINESS ADMINISTRATION	104 104
Curricula	105
SCHOOL OF JOURNALISM	114
Admission	115
Curricula	
College of Engineering.	120
Admission	121
Curricula	121
Engineering Experiment Station	
Degrees	
Admission	126
Curricula	127
COLLEGE OF FISHERIES.	134
Requirements for the degree of Bachelor of Science in Fisheries	
Short Courses in Fisheries	138
COLLEGE OF FORESTRY	
Degrees	140
Admission	140
Curriculum	141

CONTENTS

SOHOOL OF LAW. Admission. Degrees.	146
College of Mines. Degrees	150 152 152
COLLEGE OF PHARMAGY. Admission. Degrees. Curricula.	157 160 161 161
GRADUATE SCHOOL	168 168
Departments of Instruction. Aeronautical Engineering. Anatomy.	173 174
Architecture. Astronomy. Bacteriology.	176 176
Botany. Ceramics Chemistry Civil Engineering	181
Civil Engineering. Classical Languages and Literature (Greek, Latin). Dramatic Art. Economics and Business Administration.	191 192
Education. Electrical Engineering English Fisheries	203 205
Forestry and Lumbering	209 213 215
History. Home Economics. Journalism Law	221 224
Library Science. Mathematics Mechanical Engineering.	227 228 231
Metallurgy. Military Science and Tactics. Mining. Music	233 237
Nursing. Oriental History, Literature and Languages. Painting Scalature and Design	243 244 245
Pharmacy, Pharmaceutical Chemistry, Materia Medica and Food Chemistry. Philosophy. Physical Education and Hygiene. Physics.	248 248 249
Physiology . Political Science . Psychology .	267 254 256
Romanic Languages Scandinavian Languages and Literature Sociology	257 261 262
ZOOLOGY	268 270
REXTENSION SERVICE	274
DEGREES CONFERRED, 1921	280 292
REGISTRE OF STUDENTS	

THE UNIVERSITY CALENDAR

1922-1923

AUTUMN QUARTER

Examinations for admission and for exemption from Freshman English,
Registration daysMonday, October 2; Tuesday, October 2
Instruction begins
President's Annual AddressFriday, October 6, at 10 a.m.
Regular Meeting of the FacultyTuesday, October 24, 4 p. m.
Mid-quarter Scholarship ReportsFriday, November 11
Thanksgiving Recess
Regular Meeting of the FacultyTuesday, December 19, 4 p. m.
Examinations for Admission
Instruction endsFriday, December 22, 6 p. m.
WINTER QUARTER
Registration day
Instruction begins Thursday, January 4, 8 a m.
Regular Meeting of the FacultyTuesday, January 30, 4 p. m.
Mid-quarter Scholarship Reports Friday, February 9
Washington's Birthday, holidayThursday, February 22
Regular Meeting of the FacultyTuesday, March 13, 4 p m.
Examinations for Admission
Instruction ends
SPRING QUARTER
SPRING QUARTER Registration dayTuesday, March 27
SPRING QUARTER Registration dayTuesday, March 27 Anstruction beginsWednesday, March 28, 8 a. m.
Registration day
Registration day. Tuesday, March 27 Instruction begins. Wednesday, March 28, 8 a. m. Regular Meeting of the Faculty. Tuesday, April 17, 4 p. m. Campus Day. Friday, April 20 Mid-quarter Scholarship Reports Friday, May 4 Junior Day. Saturday, May 26 Memorial Day, holiday. Wednesday, May 30 Regular Meeting of the Faculty Tuesday, June 12, 4 p. m. Examinations for Admission. Wednesday, Thursday and Friday, June 13, 14 and 15 Instruction ends. Friday, June 15
Registration day
Registration day. Tuesday, March 27 Instruction begins. Wednesday, March 28, 8 a. m. Regular Meeting of the Faculty. Tuesday, April 17, 4 p. m. Campus Day. Friday, April 20 Mid-quarter Scholarship Reports Friday, May 4 Junior Day. Saturday, May 26 Memorial Day, holiday. Wednesday, May 30 Regular Meeting of the Faculty Tuesday, June 12, 4 p. m. Examinations for Admission. Wednesday, Thursday and Friday, June 13, 14 and 15 Instruction ends. Friday, June 15 Class Day and Alumni Day Saturday, June 16 Baccalaureate Sunday. Sunday, June 17
Registration day
Registration day. Tuesday, March 27 Instruction begins. Wednesday, March 28, 8 a. m. Regular Meeting of the Faculty. Tuesday, April 17, 4 p. m. Campus Day. Friday, April 20 Mid-quarter Scholarship Reports Friday, May 4 Junior Day. Saturday, May 26 Memorial Day, holiday. Wednesday, May 30 Regular Meeting of the Faculty Tuesday, June 12, 4 p. m. Examinations for Admission. Wednesday, Thursday and Friday, June 13, 14 and 15 Instruction ends. Friday, June 15 Class Day and Alumni Day Saturday, June 16 Baccalaureate Sunday. Sunday, June 17
Registration day
Registration day

THE BOARD OF REGENTS

WILLIAM A. SHANNON, PresidentSeattle Term ends March, 1923
RUTH KARR McKEE, Vice-PresidentOlympia Term ends March, 1923
WINLOCK W. MILLERSeattle Term ends March, 1926
ROGER R. ROGERSSpokane Term ends March, 1926
WERNER A. RUPP
OSCAR A. FECHTER
JAMES H. DAVISTacoma Term ends March, 1928

WILLIAM MARKHAM, Secretary to the Board

COMMITTEES OF THE BOARD OF REGENTS

March 1922 to March 1923

AUDITING AND FINANCE
BUILDINGS AND GROUNDS
COOPERATIONSShannon (chairman), McKee, Davis
DEMONSTRATION FOREST
RDUCATIONMcKee (chairman), Fechter, Rogers
Lands
METEOPOLITAN BUILDING COFechter (chairman), Rupp, Miller
PUGET SOUND BIOLOGICAL STATION
STUDENT WHIFARE

OFFICERS OF ADMINISTRATION

THE UNIVERSITY

HENRY SUZZALLO, Ph.D., LL.D. President of the University Education Hall

JOHN THOMAS CONDON, LLMDean of Faculties Education Hall
HERBERT THOMAS CONDON, LLB
EDWARD NOBLE STONE, A.M
EDWIN BICKNELL STEVENS, A.MExecutive Secretary Education Hall
JAMES EDWARD GOULD, A.M
ETHEL HUNLEY COLDWELL, A.M Dean of Women Education Hall
THE COLLEGES AND SCHOOLS
DAVID THOMSON, B.ADean of the College of Liberal Arts Denny Hall
HENRY LANDES, A.MDean of the College of Science Science Hall
STEPHEN IVAN MILLER, LLB., A.B
FREDERICK ELMER BOLTON, Ph.DDean of the School of Education Education Hall
CARL EDWARD MAGNUSSON, Ph.D., E.E
IRVING MACKEY GLEN, A.MDean of the College of Fine Arts Music Building
JOHN NATHAN COBBDirector of the College of Fisheries Hall
HUGO WINKENWERDER, M.FDean of the College of Forestry Forest Products Laboratory
MATTHEW LYLE SPENCER, Ph.DDirector of the School of Journalism

CHARLES WILLIS JOHNSON, Ph.C., Ph.D. Dean of the College of Pharmacy Bagley Hall

JOHN THOMAS CONDON, LLM.......Dean of the School of Law Commerce Hall

WILLIAM ELMER HENRY, A.M.....Director of the Library School Library

MILNOR ROBERTS, A.B.....Dean of the College of Mines Mines Hall

OFFICERS OF ADMINISTRATION

ASSISTANT ADMINISTRATIVE OFFICERS

JAMES GARFIELD FLETCHER, A.B
ROBERT WILLIAM BENDER, A.B. THOMAS LATMER KIBLER, Ph.D. Assistant Dean, College of Business Administration MAY WARD, A.M. Assistant Dean of Women LILLIAN BROWN GETTI. Secretary to the President MAY HIPROB Assistant Purchasing Agent WILLIAM BEADH JONES, A.B. Cashler AIMEE WILSON Secretary to the Comptroller SARA NOBRIS MARK, A.B. Assistant Registrur BETH GILLEY, B.B.A. Secretary to the Registrar LOIS J. WENTWOETH Secretary to the Dean of the Graduate School EDITH THOMAS. Acting Assistant Dean of Women
Library Staff
WILLIAM ELMER HENEY, A.M., (Indiana)Librarian and Director of the Library School
WILLIAM ELAISE HENEY, A.M., (Indiana)Librarian and Director of the Library School CHARLES WESLEY SAITH, A.B., B.L.S., (Illinois)
LYDIA MCCUTCHEON, A.B. (Iowa), (Washington Library School) **Barbara Bolles Cotteux, A.B. (Boston), B.S. (Simmons)
Availt wasus, B.Ed. (Wasnington)
THE MUSEUM
FRANK STEVENS HALL
MARTHA FLAHAUT, A.B
MARTHA FLAHAUT, A.B
MAETHA FLAHAUT, A.B. THE EXTENSION SERVICE EDWIN AUGUSTUS STAET, A.M. ENGINEERING EXPERIMENT STATION

^{**}Absent Winter and Spring Quarters.

RAY A. BAILET Sergeant, D.E.M.L. LESTER A. KENT Sergeant, D.E.M.L. WILLIAM G. PALMS Sergeant, D.E.M.L. HARRY BECKETT Sergeant, D.E.M.L. CHARLES FREEMAN Private, First Class, D.E.M.L. WILLIAM H. HONEAS Private, First Class, D.E.M.L. VERNON W. PAYNE Private, First Class, D.E.M.L. PATEIOK J. MAUGHAN Private, First Class, D.E.M.L.
University of Washington Station of the United States Forest Service
CONRAD W. ZIMMERMAN, A.B
NORTHWEST EXPERIMENT STATION UNITED STATES BUREAU OF MINES
CLIDE E. WILLIAMS, B.S. Superintendent EDWARD P. BARRETT, B.S. Metallurgical Chemist CLARENCE E. SIMS, B.S. Electrometallurgist EARL R. MOMILIAN, B.S. Mining Engineer BYBON M. BIED, B.S. Junior Mining Engineer ARVID E. ANDERSON, B.S. Junior Chemist JOHN C. SCHONING. FOREMAN, Mine Safety Station
STATE CHEMIST
CHARLES WILLIS JOHNSON, Ph.C., Ph.D. State Chemist JEAN ROBIN WILKES, B.S. Assistant State Chemist and Bacteriologist GEORGE HERBERT NEEDHAM Assistant State Chemist
United States Veterans' Bureau Rehabilitation Division
GLENN E. HOOVER, LL.B
BUILDINGS AND GROUNDS
FREDERIOK ELWELL Superintendent NORMAN DONALD MORRISON General Foreman SANDI MORROW KANE. Engineer L. R. KETTENBING Electrician STANLEY O. CARPENTEE Head Carpenter GEORGE WARNER Head Gardener
University Dining and Residence Halls
RUTH MARGARET LUSEY, A.MSupervisor of Dining Halls
University Health Service
DAVID CONNOLLY HALL, M.D

UNIVERSITY FACULTY

In this list the names of the faculty are arranged in six groupsprofessors, associate professors, assistant professors, associates, lecturers, and instructors—followed by the names of the assistants and teaching fellows. In each of the six groups the names occur in the order of academic seniority. An alphabetical list of the faculty is given on page 15.

> HENRY SUZZALLO, President of the University, ex-officio Chairman. EDWARD NOBLE STONE, Registrar, ex-officio Secretary.

PROFESSORS

HENRY LANDES EDMOND STEPHEN MEANY J. ALLEN SMITH CAROLINE HAVEN OBER JOHN THOMAS CONDON TREVOR KINCAID FREDERICK MORGAN PADELFORD MILNOR ROBBETS WILLIAM SAVERY FREDERICK ARTHUR OSBORN DAVID THOMSON CHARLES WILLIS JOHNSON PIERRE JOSEPH FREIN THEODORE CHRISTIAN FREE ROBERT EDOUARD MORITZ CARL EDWARD MAGNUSSON HARVEY LANTE EVERETT OWEN EASTWOOD WILLIAM BLMBE HENRY DAVID CONNOLLY HALL HERBERT HENRY GOWEN OLIVER HUNTINGTON RICHARDSON IVAN WILBUR GOODNER IRVING MACKEY GLEN EDWIN AUGUSTUS START CHARLES CHURCH MORE HENRY KRHITZER BENSON

JOHN WEINZIRL HUGO WINKENWERDER VERNON LOUIS PARRINGTON FREDERICK ELMER BOLTON EDWIN JOHN VICKNEB EFFIR ISABEL RAITT WILLIAM FRANKLIN ALLISON STEVENSON SMITH WILLIAM PIERCE GORSUCH CLARK PRESCOTT BISSETT CLARK PRESOUT BISSETT TETHER HUNLEY COLOWELL ALLEN ROGERS BENHAM LESLIE JAMES ATER STEPHEN IVAN MILLER, JR. FRED CARLETON ATER JOHN NATHAN COBB CHARLES LEONARD PHILLIPS WILLIAM MAURICE DEHN HOWARD WOOLSTON §MATTHEW LYLE SPENCER GEORGE MCPHAIL SMITH BURT PERSONS KIRKLAND THOMAS KIBLER HOWARD THOMPSON LEWIS . JAMES EDWARD GOULD **CHARLES EDWIN WEAVER

ASSOCIATE PROFESSORS

LOREN DOUGLAS MILLIMAN THOMAS KAY SIDEY EDWARD MOMAHON CHARLES WESLEY SMITH TARTHUR WILSON LINTON GEORGE SAMUEL WILSON GEORGE WALLACE UMPHREY OTTO PATZER CHARLES WILLIAM HARRIS VANDERVEER CUSTIS EDGAR ALLEN LOEW JOSEPH DANIELS EDWARD GODFREY COX ALLEN FULLER CARPENTER HENRY LOUIS BRANCL GEORGE BURTON RIGG CARL GOULD

*WILLIAM DANIEL MORIARTY HARRY EDWIN SMITH ARTHUR MELVIN WINSLOW HARRY RUBEY JOHN LOCKE WORCESTER ELIAS TREAT CLARK SWILLIAM EDWARD COX HOWARD HALL PRESTON CHARLES GOGGIO RODERICK DUNCAN MOKENETS ROBERT MAX GARRETT FRIEDRICH KURT KIRSTEN ERIC TEMPLE BELL HERMAN VANCE TARTAR ROY MARTIN WINGER CORNELIUS OSSEWARD

ASSISTANT PROFESSORS

†EDWIN JAMES SAUNDERS GEORGE INVING GAVETT ELI VICTOR SMITH HARVET BRUCE DENSMORE CLARENCE RAYMOND COREY GRACE GOLDENA DENNY FRED WASHINGTON KENNEDY ERNEST OTTO ECKELMAN

CHARLES LOUIS HELMLINGE JOHN WILLIAM HOTSON THERESA SCHMID MCMAHON Louis Inving Neikirk FRANCES DICKER MORITZ ROSEN ALBERT FRANK VENINO SAMUEL HERBERT ANDERSON

[†]Absent on leave 1921-22.

*Absent Full Quarter, 1921-22

*Absent Winter and Spring Quarters, 1921-22.

\$Absent Spring Quarter, 1921-22.

‡Died, January 26, 1922.

ASSISTANT PROFESSORS (continued)

SERENO BURTON CLARK †MACY MILLMORE SKINNER CURT JOHN DUCASSE BEOR LEONARD GRONDAL FRED HARVEY HEATH †LESLIE FOREST CURTIS †GEORGE HENET JENSEN EDWIN RAY GUTHELE ††FRANK DEMETRIUS HAYDEN THERMS DEMERITION HAIDEN
CAEL PAIGE WOOD
THOMAS GORDON THOMPSON
†DELBERT NICKSON
VIRGINIA CUNNINGHAM PATTY ELISABETH AMERY HEWITT WILSON MARY EMMA GROSS WILLIAM FRAZER IRA LEONARD COLLER GEORGE EDWARD GOODSPEED CHARLES CULBERTSON MAY JOHN CHARLES RATHBUN CURTIS TALMAGE WILLIAMS ELDIN VERNE LYNN

JOSEPH BARLOW HARRISON RUDOLF HERBERT ERNST ROBERT WILLIAM JONES MARTHA KORHNE JAMES GEORGE ARBUTHNOT HORACE GUNTHORP HORAGE GUNTHORP
PAUL WASHINGTON TEREY
KEITH SUMNISH GREGORY
LOUIS PETEE DE VRIES
ROWARD BENNETT DENNIS
WILLIAM PLATT
HENEY CLINTON MUHLENBEEG
SIDNEY DERBY MAIZE
LESLIE SPIER
HANNA CLANSTON HINES HARLAN CAMERON HINES JAROB AALL OTTESEN LARSEN HENRY STEPHEN LUCAS THOMAS BRUCE ESTY HAROLD PRIEST SAMUEL WHEELAN NOYES
WILLIAM ALLEN HALE
KATHERINE VAN WINKLE PALMER

LECTURERS AND ASSOCIATES

HARVEY GLENN JOSEPH GRATTAN O'BRYAN FREDERICK POWELL Conrad Zimmerman Lilian Collison Iewin Lilian Bloom WINNIPRED SUNDERLIN HAGGETT MILDRED STRUBLE JOHN VICTOR FARRAR
JAMES WEHN
EUGENIA WORMAN
HERMANGE MULLEMEISTER
FRED FALCONER WELD AMBROSE PATTERSON ETHEL SANDERSON RADFORD MARJORIE WHIPPLE JAMES MCCONAHEY WILLIAM BENNETT HENDERSON EMUEL JACOB FORMAN CHAUNCEY WERNEOKE EDWIN LEONARD STRANBERG Pamelia Jones Sylvia Kerrigan GERTRUDE BROWNING ALICE HENSON ERNST BERTHA ALMEN VIOKNER EBBA DAHLIN

EARL WEST WILLIAM ALBERT HAMILTON ELIZABETH SOULE CLARENCE EDMUNDSON EDWARD LEADER JEANNE MERCIER CARL ZENO DRAVES WALDO SEMON OLIVE CLINTON MCCARE ELIZABETH WINGHT CLYDS MYRON CRAMLET RACHEL ELIZABETH HAMILTON ELLA MARIA SIGNELS ETILA MAHA SIOKSUS ENOCH BAGSHAW SHELDON LATTA GLOVER HORACE DONALD MCGIER FRANK CHESTER VAN DE WALKER VIVIAN MOGILL ROBERT LEE MATHEWS ALEXANDER CRIPPEN ROBERTS RATMOND FOREEST FARWELL JAMES POSTLEWAIT ROBERTSON PEARCE CRANE DAVIS LAWRENCE FISHER ARTHUR RUDOLPH JERBERT EVERHARDT ARMSTRONG

INSTRUCTORS

†CLARENCE LOUIS ANDERSON RALPH MASON BLAKE GEORGE KIRCHNER WILLIAM RONALD WILSON HARRY JOHN MOINTYRE JOSEPH TAYLOR JOHN HOWARD THOMPSON ROBERT QUIXOTS BROWN HOMER EWART GREGORY CHRIS GRENSIDE DOBSON FOREST CHARLES DANA LOU HABTWOOD ANDERSON ELEANOR CAMPRELL RILENE FRENCH GLENN ARTHUR HUGHES GLENN ARTHUE HUGHES
KARL ELIAS LEIB
RUTH MARGAERT LUSBY
FREDERIOR ANSTEN MOMILIN
WILLARD HENRY ELLER

SAMUEL THOMAS BHATTIE SANDI MORBOW KAND WALTER BELL WHITTLESEY LLOYD LEROY SMAIL FRANK JOSEPH LAUBE HAROLD OGDEN SEXSMITH ALLETTA GILLETTE ALBERT PORTER ADAMS LOUISE VAN OGLE ANNETTE EDENS ROBBET FULTON MCCLELLAND AMES BAREE HAMIZON GOEDON RUSSELL SHUOK MARTHA DESSELAR FOREST JACKSON GOODRICH TARTHUR WILLIS BARTON CLINTON LOUIS UTTERBACK ROBINSON SPENCER ELLEN HOWE

†Died, Feb. 14, 1922. ††Resigned, March 31, 1922. †Absent on leave 1921-22.

INSTRUCTORS (continued)

GEORGE WHITWELL
SARGINT POWILL
HENEY STAGEE
HERBERT ARTHUR STURGES
OSCIAE ELDERDOES DRAFER
JOHN GERALD DRISCOLL, JR.
MAURICE HICKLIN
ELLA JANE SIRGINSON
WILLIAM WOODBRIGGE EDDY
BIRON TOWNE MCMINN
ROBERT HAROLD EDMONDS
GINO VINCENT MEDICI DE SOLENNI
VON VALIEAN TARBILL
ALMERT KALIN
GEORGE LESLE HOARD
CLARENCE LESLE WHITD

ELGIN ROSCOE WILCOX
JACK RODERICK TOLMIE
MARY LAURA ALD
FRANK HARTMOND HAMACK
MILLETT HENSEMAN
GEORGE SHERMAN SMITH
ADA TILLEY
ARCHIE MERIE TRUESDELL
BETAN SEWALL HALTER
JOHN EDWARD NOLAN
WILLIAM RUSSELL
KENNETH PEARCE
ZALIA JENCHS GALLEY

ASSISTANTS

LOUISE DOW BENTON, B.Mus	
CLARA BURCH, B.Mus.	
CONSTANCE OLDS BURNHAM, A.B	
ELVA CLAUSEN, A.B	
ELMA DIOR	
JOHN CARL ELY, B.F.A.	Fine Arts
HELEN FERRYMAN, B.Mus.	
MARJORIE FORCHEMER, A.B.	
ARTHUR HERMAN, A.B.	
PAUL HIGGS, B.S.	
GLENN HOOVER, LL.B.	
HOWARD HART HUNGERFORD	
WILLIAM JEFFERSON	
ZENITH JONES, A.B	English
BETH MCCAUSLAND, A.B	English
LESIJE MARCHAND	English
KIRSTEN NEWBERRY, B.S.	
MARTIN NORGORE, B.S.	
ELIZABETH STARE, B.S.	
ANNA ALFRIDA STORM	
CLAYTON SULLIVAN	
MYEON HENEY WETZEL	
MADGE WILKINSON, M.S.	Gatzert Foundation
FLORENCE BERGH WILSON, B.M.	

TEACHING FELLOWS

JULIA FISHER, A.BPhilosophy
OLIVE REEVES FOSTER, A.B
LENA HARTGE B.S. Botany
GESTRUDE KRAPET. A.B
ECHO PEPPER B.S. Mathematics
DENNIS_TROTH, B.EdEducation
Helen Werby, B.S
LEONA SUNDQUIST, A.B
FERNLEY TATUM, A.B
JOHN SULLIVAN, B.S
Lila Dudley, B.S
WILLIAM DOLL, A.B
PAUL ELLSWORTH, A.B
DON MAGFARLANE, B.S
CLINTON HUMBERT, B.S
HARRY KUNIN, A.B
AETHUR TROWD, B.B.A
ROBERT BACHELOR, A.M
WILLIAM DICKERSON, B.B.A
FRED FELLOWS, A.B
GEORGE WILCOX, M.B.A
Helen Fulton, B.S. Bacteriology
RDITH JOHNSON, B.S. Bacteriology
RAY TUEBS, B.S
GRANT BUTTERBAUGH, A.B
EVA S. CARR. B.S
Lois CLARE, A.M
GHRMAINE MERCIER, B.SFrench

PAULINH JONES, B.S. Spanish RUBT BOHART, B.S. Bacteriology RUTH DAVIS, B.S. Pharmacy	
GRADUATE SCHOLARS	
ROY HALL, A.B. Business Administration WILLIAM SPENCER, A.B. Business Administration	
RESEARCH FELLOWS	
WILLIAM MCCULLOOH, B.S	
LORETTA DENNY FELLOWS	
ELIAS THORLES RUND ARNESON, A.B	
ARTHUR A. DENNY FELLOWS	
GEORGE ELWYN LAEGE, B.S. Civil Engineering HOWARD RAIPH GOOLD A.B. Education ALEXANDER HOWARD MENDELY, A.B. History HELEN LOTHIAN ARRLEY, B.S. Pharmacy ESTHER MORE, A.B. English LYALL WESTLEY ZICKRICK, B.S. Metallurgy	
DU PONT FELLOWSHIP	
WILLIAM CAVANAUGH MOINDOB, B.S	

ALPHABETICAL LIST OF THE UNIVERSITY FACULTY

HENRY SUZZALIO
ALBERT PORTER ADAMS
MARY LAURA AID
WILLIAM FRANKLIN ALLISON Professor of Municipal and Highway Engineering B.S., South Dakota State College, 1895; B.S., (C.E.), Purdue, 1897; C.B., Cornell, 1904.
ELISABETH AMERY
CLARENCE LOUIS ANDERSON
LOU EASTWOOD ANDERSON
SAMUEL HERBERT ANDERSON
JAMES ARBUTHNOT
EVERHARDT ARMSTEONG
FRED CARLETON AYER
LESLIS JAMES AYER
ENOCH BAGSHAW
ABTHUR WILLIS BARTON
SAMUEL THOMAS BEATTIE
ERIC TEMPLE BELL
ALLEN ROGERS BENHAM
HENRY KESITZER BENSON
CLARK PRESCOTT BISSETT
RALPH MASON BLAKE
LILIAN BLOOM
FREDERICK ELMER BOLTON Professor of Education and Dean of the School of Education B.S., Wisconsin, 1898; M.S., 1896; Ph.D., Clark, 1898.
HENRY LOUIS BRAKEL
ROBERT QUIXOTE BROWN
GERTRUDE BROWNING
ELEANOE CAMPRELL
ALLEN FULLER CARPENTER
ELIAS TERAT CLARK
SERENO BURTON CLARK

JOHN NATHAN COBBProfessor of Fisheries and Director of the College of Fisheries ETHEL HUNLEY COLDWELL .. B.L., Mills College, 1894; A.M., Stanford, 1899.

IRA LEONARD COLLIER.. .Assistant Professor of Civil Engineering B.S., (C.E.), Washington, 1918; C.E., 1917.

JOHN THOMAS CONDON. . Professor of Law, Dean of the School of Law, and Dean of Faculties LL.B., Michigan, 1891; LL.M., Northwestern, 1892.

CLABENCE RAYMOND CORRY

.. Associate Professor of English

WILLIAM EDWARD COXAssociate Professor of Business Administration A.B., Texas, 1909; A.M., 1910.

CLYDE MYRON CRAMLET Associate in Mathematics CRAMLETAssociate
A.B., Walla Walla College, 1915; M.S., Washington, 1920.

... Assistant Professor of Electrical Engineering

A.B., Harvard, 1901; A.M., 1902; Ph.D., 1905. VANDEVEER CUSTIS ...

.....Associate in History EBBA DAHLIN..... A.B., Washington, 1919.

PEARCE CRANE DAVISLecturer on Accounting (autumn and winter quarters)

C.P.A., 1914. WILLIAM MAURICE DEHN .

EDWAED BENNETT DENNIS, Major, C.A.C., U.S.A., Assistant Professor of Military Science

and Tactics B.S., Case School of Applied Science, 1907; LL.B., Cleveland Law School, 1910. GRACE GOLDENA DENNY .

HARVEY BRUCE DENSMORE

LOUIS PETER DE VRIES Assistant Professor of Romanic Languages A.M., Wisconsin, 1911; Ph.D., 1913. Assistant Professor of Music FRANCES DICKEY

CHRIS GRENSIDE DOBSONInstructor in Civil Engineering

E.M., Montana, 1913. OSCAR ELDRIDGE DRAPER..... Instructor in Business Administration

M.Acct., Vories Business College. B.S., (C.E.), Washington, 1917. CARL ZENO DRAVES

B.A., Southern California, 1913; B.S., Washington, 1917; M.S., Teachers College,
Columbia, 1918. MARTHA ESTELLA DRESSLAR....

A.B., Stanford, 1918; LL.B., 1920. JOHN GERALD DRISCOLL, JR.

CURT JOHN DUCASSE ... Assistant Professor of Philosophy

WILLIAM WOODBRIDGE EDDY ...Instructor in History A.B., Princeton, 1911; A.M., Harvard, 1914.

ANNETTE EDENS...Instructor in Drawing New York School of Fine and Applied Arts, Columbia.

ROBSET HABOLD GEAY EDMONDS
CLARENCE EDMUNDSON
WILLARD HENEY ELLES
ALICE HENSON ERNST
RUDOLF HERBERT ERNST
THOMAS BRUCE ESTY, Lieutenant Colonel, U.S.A., Retired, Assistant Professor of Military Science College of the City of New York.
VICTOR JOHN FARRAR
RAYMOND FOREEST FARWELL
LAWRENCE FISHERLecturer on Geology (winter quarter) A.B., Ohio Wesleyan, 1900.
EMUEL JACOB FORMAN
WILLIAM DAVID FRAZER, Major, C.A.C., U.S.A., Assistant Professor of Military Science and
Tactics B.S., (C.E.), Michigan Agricultural College, 1909.
PIERRY JOSEPH FREIN
EMLENS FERNOH
THEODORE CHRISTIAN FRYE
Zalia Jenores Gailey
ROBERT MAX GARRETT
GEORGE IBVING GAVETT
ALLETTA GILLETTE
IRVING MACKEY GLEN
HARVEY GLENN Lecturer in Assaying of Bullion B.S., Iowa State College.
SHELDON LATTA GLOVER
B.S., Washington, 1919. CHARLES GOGGIO
IVAN WILBUR GOODNER
FOREST JACKSON GOODEIGH
Geology B.S., (Min.E.), Massachusetts Institute of Technology, 1910.
WILLIAM PIEROE GORSUOH
CARL FREYLINGHUYSEN GOULD
JAMES EDWARD GOULD
HEBBERT HENET GOWENProfessor of Oriental History, Literature and Institutions St. Augustine's College (Canterbury); D.D., Whitman College, 1912.
HOMER EWART GREGORY
KEITH SUMMER GREGORY, Captain, Infantry, U.S.A., Assistant Professor of Military Science and Tactics Graduate, U.S. Military Academy, 1903.

- WILLIAM ALLEN HALE, Captain, Inf., D.O.L., Assistant Professor of Military Science and Tactics

 Graduate, American College of Physical Education.
- BRYAN SEWALL HALTER, First Lieutenant, Infantry, D.O.L., Instructor in Military Science and Tactics

 Graduate, U.S. Military Academy, 1918.

- WILLIAM BENNETT HENDERSONLecturer on Business Administration A.B., Princeton Collegiate Institute, 1891; LL.B., Cumberland, 1892; LL.M., George Washington University, 1906.
- WILLIAM ELMER HENRYLibrarian and Director of the Library School A.B., Indiana, 1891; A.M., 1892.

- A.B., McMaster, 1901; A.M., 1902; Ph.D., Harvard, 1918.

 ELLEN FORD HOWEAssistant Reference Librarian and Instructor in Library Economy
 A.B., Washington, 1911; Carnegie Library School.

- George Henry Jensen, Assistant Professor of Vocational Education and Supervisor of Teacher Training in the Trades and Industries

 B.S., Valparaiso, 1906.

```
CHARLES WILLIS JOHNSON, Professor of Pharmaceutical Chemistry and Dean of the College
             Ph.C., Michigan, 1896; B.S., 1900; Ph.D., 1903.
PAMELIA PEARL JONES ......
                                  ...........Associate in English
                  A.B., Iowa, 1906; A.M., 1908.
ROBERT WILLIAM JONES .....
                               .... Assistant Professor of Journalism
        B.S., Washington, 1919.
ALBERT KALIN ......
                              ....Instructor in Electrical Engineering
FRED WASHINGTON KENNEDY, Assistant Professor and Director of the Journalism Laboratories
THOMAS LATIMBE KIBLER, Professor of Transportation and Assistant Dean of the College of
      Business Administration
    A.B., Randolph Macon, 1904; A.M., George Washington, 1909; Ph.D., 1913.
Leipzig.
                                ......Professor of Forestry
BURT PERSONS KIRKLAND .....
                    A.B., Cornell, 1905.
FRIEDRICH KURT KIRSTEN...
               B.S., Washington, 1909; E.E., 1914.
                    ...... Associate Professor of Electrical Engineering
MARTHA KOBHNB....
                              .Assistant Professor of Home Economics
            A.B., Ohio State University, 1908; A.M., 1910.
HENRY LANDES......Professor of Geology and Mineralogy and Dean of the College of Science A.B., Indiana, 1892; A.B., Harvard, 1892; A.M., 1893.
                                       .....Professor of Law
       Ph.B., De Panw, 1888; A.M., 1891; LL.B., Kent Law School, 1898.
JAKOB AALL OTTESEN LARSEN
                                 .... Assistant Professor of History
   A.B., Luther College, 1908; A.M., Iowa, 1910; A.B., Oxford, 1914; A.M., 1920.
            Instructor in Political Science A.B., Wisconsin, 1899; A.M., Washington, 1913.
FRANK JOSEPH LAUBE..
... Assistant Professor of History
.....Assistant Professor of Pharmacology and Chemistry
OLIVE CLINTON MCCABE .....
                                 .....Associate in Sociology
                    A.B., Wellesley, 1909.
                                 ......Instructor in Architecture
ROBERT FULTON MCCLELLAND .....
               Massachusetts Institute of Technology.
                            .....Lecturer on Business Administration
JAMES MCCONAHEY
   B.S., Washington and Jefferson, 1896; M.S., 1899; LL.B., Northwestern, 1899.
                                 VIVIAN MCGILL .....
                   A.B., Washington, 1921.
... Associate in Business Administration
                          ......Instructor in Mechanical Engineering
```

- RODERICK DUNCAN MCKENZIE .. Associate Professor of Sociology A.B., Manitoba, 1912; Ph.D., Chicago, 1920. EDWARD MCMAHON .
- THERESA SCHMID McMAHON.... .. Assistant Professor of Economics A.B., Washington, 1899; A.M., 1901; Ph.D., Wisconsin, 1909.
- A.B., Willamette, 1916; M.S., 1917. FREDERICK ANSTEN McMILLIN....
- Carl Edward Magnusson, Professor of Electrical Engineering and Dean of the College of Engineering B.B.E., Minnesota, 1896; M.S., 1897; E.E., 1905; Ph.D., Wisconsin, 1900.
- SIDNEY DEEBY MAIZE Major, U.S.A., Assistant Professor of Military Science and Tactics Notre Dame.
- Assistant Professor of Civil Engineering
- EDMOND STEPHEN MEANY Professor of History B.S., Washington, 1885; M.S., 1899; M.L., Wisconsin, 1901.
-Associate in French JEANNE ANNIE MERCIER B.S., Whitman, 1920,
- STEPHEN IVAN MILLER, Professor of Economics and Dean of the College of Business Administration LL.B., Michigan, 1896; A.B., Stanford, 1898.
- LOREN DOUGLAS MULLIMAN
- CHARLES CHURCH MOREProfessor of Civil Engineering C.E., Lafayette, 1898; M.C.E., Cornell, 1899; M.S., Lafayette, 1901.
- WILLIAM DANIEL MORIARTY
- ROBERT EDOUARD MORITZ... B.S., Hastings, 1892; Ph.M., Chicago, 1896; Ph.D., Nebraska, 1901; Ph.N.D., Universitaet Strassburg, 1902. .. Professor of Mathematics
- HENEY CLINTON KRESS MUHLENBERG, Major A.S., U.S.A., Assistant Professor of Military Science and Tactics Graduate, U.S. Military Academy, 1908.
- HERMANCE MULLEMEISTER .. Associate in Mathematics Phil.Cand., Royal University of Utrecht, Holland, 1910; Ph.D., 1913.
- LEWIS IRVING NEIKIRK Assistant Professor of Mathematics B.S., Colorado, 1898; M.S., 1901; Ph.D., Pennsylvania, 1908.
- DELBERT NICKSON Assistant Professor of Pathology B.S., Wisconsin, 1913; M.D., Oregon, 1917.
- JOHN EDWARD NOLAN, First Lieutenant, Inf., D.O.L., Instructor in Military Science and A.B., St. Joseph's College, 1909.
- SAMUEL WHESLAN NOTES, Lieutenant Colonel, Inf., D.O.L., Assistant Professor of Military Science and Tactics
- CAROLINE HAVEN OBERProfessor of Spanish
-Lecturer on Law JOSEPH GRATTAN O'BRYAN A.B., Jesuit College (Denver), 1893.
- FREDERICK ARTHUR OSBORNProfessor of Physics and Director of Physics Laboratories Ph.B., Michigan, 1896; Ph.D., 1907.
- FERDERICK MORGAN PADELFORD......Professor of English, and Dean of the Graduate School A.B., Colby, 1896; A.M., 1899; Ph.D., Yale, 1899.
- KATHERINE VAN WINKLE PALMER, Acting Assistant Professor of Historical Geology and Paleontology (winter and spring quarters)

 B.S., Washington, 1918; Cornell.

```
VERNON LOUIS PARRINGTON...
                           AMBRORE PATTERSON
                        . . . . .
           Melbourne National Gallery, Victoria, Australia;
           Julien, Colorossi and Delocluse Academies, Europe.
OTTO PATZER.....
JOHN KENNETH PEARCE .......Acting Instructor in Forestry (spring quarter) B.S.F., Washington, 1921.
CHABLES LEONARD PHILLIPS .....Colonel, U.S.A., Professor of Military Science and Tactics A.B., Colby, 1878; graduate, U.S. Military Academy, West Point, 1881; C.E., Maine, 1888; graduate, Coast Artillery School, 1890.
WILLIAM PLATT. Major, C.A.C., U.S.A., Assistant Professor of Military Science and Tactics
Graduate, U.S. Military Academy, 1901.
FREDERIOK POWELL......Lecturer on Gold Dredging E.M., Columbia.
                                   .Associate in Chemistry
HAROLD PREST......Captain, U.S.A., Assistant Professor of Military Science and Tactics Washington.
           HOWARD HALL PRESTON .....
                            ETHEL SANDERSON RADFORD .....
                  A.B., McGill, 1895.
EPFIE ISABEL RAITT
B.S., Columbia, 1912; A.M., 1919.
                                .Professor of Home Economics
... Associate in Education
MILNOR ROBERTS, Professor of Mining Engineering and Metallurgy and Dean of the College
     of Mines
                  A.B., Stanford, 1899.
JAMES POSTLEWAIT ROBERTSON......Lecturer in Accounting (fall and winter quarters)
                      C.P.A.
.....Assistant Professor of Geology
WILLIAM SAVERY .
                                  ... Professor of Philosophy
         A.B., Brown, 1896; A.M., Harvard, 1897; Ph.D., 1899.
                             WALDO SEMON .....
                 B.S., Washington, 1920.
          HAROLD OGDEN SEXSMITH .
GORDON RUSSELL SHUCK ......
                       E.E., Minnesota, 1906.
... Associate in English
THOMAS KAY SIDBY ....
```

- CHARLES WESLEY SMITH .. Reference Librarian and Associate Professor of Library Economy A.B., Illinois, 1903; B.L.S., 1905.

- MATTHEW LYLE SPENCER....Professor of Journalism and Director of the School of Journalism A.B., Kentucky Wesleyan, 1903; A.M., 1904; A.M., Northwestern, 1905; Ph.D., Chicago, 1910.

- DAVID THOMSONProfessor of Latin and Dean of the College of Liberal Arts B.A., Toronto, 1892.

CLINTON LOUIS UTTEABACK
FRANK CHESTER VAN DE WALKER
LOUISE VAN OOLE
ALBERT FRANZ VENINO
EDWIN JOHN VICKNER
BERTHA ALMEN VIORNER
CHARLES EDWIN WEAVER
JAMES WEHN
JOHN WEINZIRL
FRED FALCONER WELD
CHAUNCEY WERNECKE
EARL DOWNS WEST
CLARENCE LESTER WHITE
WALTER BELL WHITTLESEY
GEORGE WHITWELL
MARJORIE HELEN WHIPPLE
ELGIN ROSCOE WILCOX
CURTIS TALMAGE WILLIAMS
GEORGE SAMUEL WILSON
Hewitt Wilson
WILLIAM RONALD WILSON
ROT MARTIN WINGER
HUGO WINKENWERDERProfessor of Forestry and Dean of the College of Forestry B.S., Wisconsin, 1902; M.F., Yale, 1907.
ABTHUR MELVIN WINSLOW
CARL PAIGE WOOD
HOWARD WOOLSTON
JOHN LOCKE WORCESTER
EUGENB HUTCHINSON WORMAN
SELAH ELIZABETH WRIGHT
CONRAD ZIMMERMAN

BOARDS AND COMMITTEES

1922-1923

ADMINISTRATIVE BOARDS

BOARD OF DEANS—J. T. Condon, Thomson, Magnusson, Roberts, Johnson, Winkenwerder, Padelford, Landes, Bolton, Glen, Miller, Coldwell, Start, Spencer, Cobb, Henry,
Gould, Stone.
SUMMER QUARTERBoard of Deans and the Comptroller
EXTENSIONStart, Thomson, Landes, Bolton, Miller, Raitt, H. T. Condon
STUDENT WELFARE AND DISCIPLINEDeans Condon, Thomson, Miller, Magnusson, Landes
SOMEDULE AND REGISTRATION—Stevens, Stone, Wilson, Daniels, Rigg, Tartar, Hines, Sexsmith, Leib, Dresslar, Laube, Wood, Gregory, Garrett, W. B. Jones.
CONSULTING ENGINEERS
COMMITTEES OF THE FACULTY
The President is ex-officio a member of each standing committee.
Admissions The Board of Deans
ART
AssemblySpencer, Daniels, Glen, Hughes
ATHLETICSL. J. Ayer, Hall, Moritz, Dehn, May
CUBRICULUM—Cobb, Johnson, Bolton, Loew, Winkenwerder, Spencer, Sexsmith, Henry, Benson, L. J. Ayer, Daniels, Patzer, Stone.
ENTRANCE EXAMINATIONS
GRADUATIONThomson, Landes, Magnusson, Lantz, Curtis, Kirkland, Williams, Stone
HONORS Padelford, Goodner, Carpenter, Loew, T. S. McMahon, Rathbun, Wood, Terry
JUNIOE COLLEGESPadelford, Goodner, Carpenter, Loew, T. S. McMahon, Rathbun, Wood, Terry
JUNIOE COLLEGESPadelford, Thomson, Frye, Bolton, E. McMahon, Stone
JUNIOR COLLEGES
JUNIOR COLLEGES
JUNIOR COLLEGES
JUNIOE COLLEGES
JUNIOE COLLEGES
JUNIOE COLLEGES
JUNIOE COLLEGES

MILITARY AND NAVAL AFFAIRS......Osborn, Eastwood, More, S. H. Anderson, Harrison

THE UNIVERSITY

HISTORICAL

The foundation for the establishment of the University of Washington was laid in 1854, when Governor Isaac Ingalls Stevens, in his message to the first Legislature, recommended that Congress be memorialized to appropriate land for a university. Two townships were subsequently granted and in January, 1861, the Legislature finally located the Territorial University at Seattle.

On February 22 (Washington's Birthday) the Reverend Daniel Bagley, John Webster and Edmund Carr, composing the Board of University Commissioners, met and organized for work. Ten acres of land were donated by Hon. Arthur A. Denny, Charles C. Terry and Edward Lander from their adjoining farms, and on May 21, 1861, the cornerstone of the main building was laid and the building completed in specified time.

On November 4 following the University was opened for students. For

thirty-four years the University was located on the original tract. Throughout the later eighties it became apparent that the campus would eventually be outgrown. By 1890 both the growth of the University and Seattle's business district evinced the necessity of re-moving the University farther from the city where more ample grounds could be obtained.

The Legislature passed a bill on March 17, 1893, providing for the relocation, construction and maintenance of the University of Washington.

An entire fractional section consisting of 355 acres, located between lakes Washington and Union, the present site of the University, was purchased. Upon the completion of Denny hall and some minor buildings the University moved September, 1895 to its present location.

GOVERNMENT

Under the constitution and laws of the State of Washington, the government of the University is vested in a Board of Regents, consisting of seven members appointed by the Governor by and with the advice and consent of the Senate. Each regent is appointed for a term of six years.

ENDOWMENT AND SUPPORT

The University derives its support entirely from the state. the property belonging to the institution as an endowment yields comparatively little revenue. The income from this property will some day greatly help to support the University.

The legislature of 1921 appropriated for maintenance and operation and equipment, other than buildings, \$2,506,044. This was based on a millage of .74 of a mill for the first year, and 1.10 of a mill for the second

year, plus sundry receipts from certain property income.

To supplement this appropriation it became necessary to increase the tuition and sundry fees, during the biennium.

The legislature also formally appropriated the tuition and endowment receipts for the biennium for the permanent building fund and duplicated the amount of tuition collected from students for this purpose during the previous biennium. These items provided a building fund of \$695,131.

The property of the University includes:

(1) The two townships of land granted by Congress in 1854. There remains of this old grant some 3,000 acres.
(2) The old University site, consisting of the tract of 8.32 acres, donated in 1861 by Arthur Denny and wife; and 1.67 acres donated by

Charles C. Terry and wife and Edward Lander. This "ten-acre tract" is situated in the very heart of Seattle, and is rapidly enhancing in value.

(3) In addition to the above, the University was further endowed by the state on March 14, 1893, by the segregation of 100,000 acres of lands.

(4) The University campus consisting of 582 acres of land and waterways, upon which stand the buildings composing the present equipment of the University.

BEOUESTS

The Board of Regents of the University of Washington is authorized by law to receive such bequests or gratuities as may be given or granted to the University, and to invest or expend the same according to the terms of such bequests or gratuities. The Board of Regents has adopted rules to govern and protect the principal of such gifts and the income therefrom so that the same will be forever applied to the purposes designated by the donors of the gifts.

Those who desire to aid the work of the University of Washington by means of gifts inter vivos or by wills may do so, feeling assured that their wishes as outlined in the deed of gift or will are to be carried

into effect as provided by law.

A simple statement in a will as follows:

"I give, devise and bequeath to the Board of Regents of the University of Washington the sum of ______dollars In Trust, However, for the following uses and purposes to be invested in securities to be approved by said Board and the interest therefrom to be expended in the maintenance of" (scholarship or fellowship subject named), will be sufficient.

These bequests may be applied to the maintenance of scholarships and fellowships in any subject desired by the donor which meets the approval of the Board of Regents.

EOUIPMENT

GROUNDS

The Campus, comprising 582 acres, 109 of which are open water, is ample to meet every need of the University. The land is all within the city limits of Seattle, lying between Lakes Union and Washington, with a shore line of more than one mile on Lake Washington and about a quarter of a mile on Lake Union.

BUILDINGS

The following buildings are now in use on the University campus: Aerodynamical Laboratory, Anatomical Laboratory, Bagley Hall and Annex, Commerce Hall, Denny Hall, Dormitories, (Lewis, Clark, Lander and Terry), Education Hall, Engineering Hall and Annex, Extension Building, Fisheries Buildings, Forest Products Laboratory (Dry Kiln, Wood Preserving Plant, Dry Shed), Foundry and Shop Building, Gatzert Building, Good Roads Building, Gymnasium, Health Service Building, Home Economics Hall, Hydraulics Laboratory, Library, Meany Hall, Mines Hall, Mines Laboratory, Museum, Observatory, Philosophy, Hall, Power House Mines Laboratory, Museum, Observatory, Philosophy Hall, Power House, Practice Cottage, R. O. T. C. Armory and Headquarters Buildings, Science Hall, U. S. Bureau of Mines, U. S. Mine Safety Station.

THE NEW CAMPUS PLAN

The new plan for the grouping of the Buildings for the University of Washington was prepared by direction of the Board of Regents, and with the supervision of the Faculty Committee. It was officially adopted May, 1915. The scheme is developed upon three major quadrangles, the Science Group about the axis of Mount Rainier Vista, the Administration or Library Group with Meany Hall enclosing the west side, and the Liberal Arts Group about the axis at right angles with the walk running in front of Denny Hall.

Since the adoption of the Group Plan seven buildings have been completed: Home Economics, Philosophy, Commerce and Education Halls. Four were upon the Liberal Arts Quadrangle. Locations for two additional buildings are provided and when they are constructed this quadrangle will be completed. The other three buildings completed are adjacent to the Science Group, they are Hydraulics, Forest Products and Mines Laboratories.

A portion of the Library, plans for which have been authorized, and a Women's Building will probably be the next to be constructed as funds become available.

The plan provides for foot traffic only within the quadrangles.

Automobile and service roads are provided in order to obtain access to the various groups and scenic driveways encircle the campus. The ground to the west of Montlake Boulevard is reserved for athletics of all kinds, the Stadium being the first structure located with this in view. The Gymnasium is to be placed halfway between the Academic Group and the Athletic Fields and a connection will be made by a bridge over Montlake Boulevard.

Denny Field has already been moved to conform to the Group Plan upon which the Women's Gymnasium is shown, ultimately creating a Women's Group in the northeast section of the campus, including a women's dormitory. The northwest section of the acmpus is reserved for men's dormitories Between the two groups Memorial Way is shown entering from the north

as the continuation of the University Boulevard.

LIBRARY FACILITIES

The general library contains 112,870 volumes, and receives 700 current magazines. About 6,000 volumes a year being added.

The Law School library contains more than 25,000 volumes. All books of both libraries are upon open shelves and are easily accessible to all who care to use them.

In addition to the library facilities upon the campus, the Seattle Public Library, containing approximately 350,000 volumes, is open free to the University

THE MUSEUM

The museum of the University of Washington is a museum of the arts and natural sciences. It was created the State Museum of the State of Washington by act of the Legislature in 1899. In its functions as a state, a university and a public museum, it aims to make its collections representative of the natural history, mineral resources, ethnology, history, and chief industrial activities of this region and of those countries with which this state has a commercial relationship; to furnish materials for research and study, and to interest and educate the public by its exhibitions. Its collections, illustrative of the northwest coast, are already among the most complete and valuable to be found in the United States. The museum is housed at present in the Forestry building, which was erected in 1909 for the Alaska-Yukon-Pacific Exposition. It is archaic Greek in style, following the lines of the Grecian temples, its frame consisting of large columns of native fir trees, varying from five to six feet in diameter and from forty-two to fifty-four feet in height.

The museum collections number over 100,000 specimens with an approximate value of \$200,000. Extensive exhibits are arranged showing the mineral, lumbering, and horticultural resources of the state and of Alaska. An exhibit of local birds is arranged in systematic order and is illustrated by groups showing their natural habitat. Elaborate habitat groups of large animals, such as elk, bear, deer, mountain goats, cougar, etc., mounted according to the latest methods of scientific taxidermy, have been installed or are in process of installation. The marine fauna is represented by a series of mounted fishes of the northwest coast, corals, sponges, crustaceans, mounted shells, etc. Rare specimens illustrative of the extinct mammoth and mastodon from Alaska and the state of Washington, are also on exhibition.

Ethnology—Collections illustrative of the life, arts, and industries of the Indian tribes of the northwest coast from the Columbia river northward through Arctic Alaska are arranged in tribal sequence. The Emmons Tlingit collection from Southeastern Alaska is one of the most complete from that section to be found in any museum, and the Eskimo collection from Arctic Alaska is equally rare and valuable. In addition there is a small and interesting series from the so-called Blonde Eskimos on Coronation Gulf. A collection of pottery and basketry illustrate the art of the Indian tribes of Southwestern United States.

An unusual and rare collection illustrative of the archeology of the Columbia river region of eastern Washington was recently added, through the work of a museum expedition under the supervision of Director F. S. Hall. This material together with the Stewart collection already in the museum, forms a most interesting series on the archeology of the Columbia river down to the Dalles.

The Philippine collections contain interesting specimens of Moro handi-

The Philippine collections contain interesting specimens of Moro handicraft such as brasses, hats, textiles, and implements of warfare; examples of the characteristic beadwork of the Bogobos on the island of Mindanao; and of articles of dress and implements of warfare of the Igorrots and other primitive tribes on the island of Luzon.

Other collections of interest are: collection of porcelains, embroideries, carvings, scrolls, clothing, Buddhas, etc., from northern China; specimens from various islands of Oceanica and Australia; Norwegian spinning wheels, chests, household articles, and other materials of the early eighteenth century; a collection of guns, pistols, and other firearms given by the Butterworth estate; relics of the Great War given or loaned by persons who collected them while in the service of their country; a colonial collection of early furniture, pewter, glassware, potteries, documents, photographs, etc.; historical materials representative of pioneer days in the Pacific Northwest and elsewhere.

Fine Arts.—The fine arts section contains the interesting collection of paintings, tapestries, carvings, etc., loaned by Kennedy C. Friend, and a collection of rare antique laces, Paisley and India shawls, porcelains, engravings, textiles, sculpture, etc., which have either been given or are loaned indefinitely to the museum. Special exhibits are arranged in the exhibition rooms on the first floor from time to time, notices of which are published at the time of the exhibition.

Reserve or Study Series.—The museum has in its laboratories for purposes of study and research, collections of botanical, conchological, ornithological, and ethnological specimens which are available to students or specialists competent to use them; also the museum library, consisting of several hundred books and pamphlets on scientific subjects.

The herbarium of over 15,000 specimens contains a characteristic series of northwest flora practically all of which is card indexed; also the Frye collection of mosses which is one of the most complete of this region and

Alaska in the United States.

The collection of bird skins, eggs, and nests consists of over 4,500 specimens and are particularly representative of western Washington.

The conchological collection of over 18,000 specimens contains a complete series of west coast forms together with a larger series from all parts of the world.

LABORATORIES

The University of Washington has the following laboratories equipped for work in the various science departments:

ANATOMY LABORATORIES

A separate building constructed to secure a maximum of light and cleanliness houses the laboratory for human anatomy. It is located east of Bagley hall. Necessary equipment in the way of skeletal chart and model material are conveniently arranged. A study room and departmental library form an integral part of the laboratory.

ASTRONOMY LABORATORIES

The observatory is located in a substantial sandstone structure containing dome for equatorial, room for transit and clocks, office, room for lectures and laboratory work and dark room. Part of the roof is flat, making an admirable place for evening study of the heavens. The instruments include a six-inch refracting telescope and accessories; a Bamberg transit, Riefler clock, Bond chronometer, Gaertner chronograph, Astro-Petzal objective with accessories, a barometer, sextants, etc. The clock is enclosed in a constant temperature chamber. The minor equipment consists of a good assortment of transparencies and lantern slides, globes, planetarium, and other equipment for experiments in laboratory and lecture work in astronomy.

BOTANY LABORATORIES

The botanical laboratories are on the third floor of Science hall. They occupy about 5,000 feet of floor space divided as follows: Two large labor-

atories of about 1,500 square feet each; three small laboratories, one for physiology, one for mycology and one for research. The laboratories are fitted with the apparatus and conveniences usual for the work.

CERAMIC LABORATORIES

(See Mining, Metallurgical and Ceramic Laboratories, page 34.)

CHEMICAL LABORATORIES

A thoroughly modern fireproof building houses the chemical laboratories. Fully equipped separate laboratories are devoted to general chemistry, analytical chemistry, food inspection and analysis, organic chemistry, physiological chemistry, industrial chemistry, and pharmaceutical chemistry. All laboratories are equipped with hoods with forced drafts, water, gas, distilled water and air pressure. The chemical engineering laboratories are equipped with the fundamental types of apparatus used in manufacturing processes, such as filter press, hydraulic press, stills, grinding apparatus, heating furnaces and vacuo drying oven.

CIVIL ENGINEERING LABORATORIES

The hydraulic laboratory is now located in its new building on the shore of Lake Union, where facilities are available for both medium and high head experiments. For medium head, a free water surface, one acre in extent, is provided at an elevation of 100 feet above the laboratory floor. For high heads, connection is made with an 8" pipe leading from an elevated tank 300 feet above the floor.

The materials testing laboratory contains five universal testing machines with capacities from 30,000 to 300,000 pounds, two impact machines with various hammers ranging in weight from 550 to 1500 pounds, with the neces-

sary auxiliary apparatus for general work.

The equipment for testing hydraulic cement is complete for all the or-

dinary tests as specified by the American Society of Civil Engineers.

The road laboratory is equipped for testing materials used in the construction of roads. The machines for the abrasion and toughness test are of the standard designs adopted by the American Society of Testing Materials; other machines are similar to those used by the United States Office of Public Roads.

The surveying equipment consists of an ample supply of all the necessary

instruments for plane and topographic surveying.

ELECTRICAL ENGINEERING LABORATORIES

The dynamo laboratory contains seventeen alternating and thirty-four direct current generators and motors. The machines are of modern design and have a combined capacity of 300 kilowatts in direct current machines and 225 kilowatts in alternating current machines. Most of the machines are of five- or ten-kilowatt capacity. Power from a storage battery of 130 cells is available at a separate switchboard in the dynamo laboratory. The university power house, containing two steam-driven units of 200 and 100 kilowatts, serves as a commercial laboratory for operating and testing purposes.

Nine smaller rooms are devoted to the following: (a) Instrument making and repairing, (b) grinding room and shop, (c) instrument and stock room, (d) telephone laboratory, (e) electrolysis and special thesis problems, (f) storage battery rooms, (g) three dark rooms for photometry work, (h) radio laboratory, (i) transmission line laboratory. The instrument room contains a large collection of standard indicating and recording ammeters, voltmeters and wattmeters, two three-element G.E. oscillographs, and a Tinsley A.C. potentiometer.

and a Tinsley A.C. potentiometer.

FISHERIES LABORATORIES

Ichthyology Laboratory.—The ichthyology laboratory contains an extensive collection of named fishes, particularly rich in species from Puget Sound and Alaska. By exchange and other means a representative series of the fishes found in American waters, with particular reference to forms of economic importance is being built up. There has also been gathered a collection to illustrate the species of shellfish, crustaceans, and other invertebrate animals constituting the bases for the corresponding industries.

Fish Diseases Laboratory.—The laboratory for fish diseases is equipped for the study of life histories of the various parasites of aquatic animals, including aquaria for live subjects, dark room for studying the effects of various colored lights upon the animals, etc.

Fisheries Laboratories.—The apparatus laboratory is equipped with working models of the larger forms, and fully rigged types of the smaller forms of fishery apparatus, also detailed plans for the construction of same; equipment for the manufacture, repair, care and preservation of nets; models of fishing vessels and boats, and samples of various fishery products prepared

The canning laboratory is equipped with all the machinery and appliances necessary for canning all varieties of fishery products, in either tin or glass, and in addition to practical instruction in canning methods, tests are made of various species, while research in food canning is carried on under conditions similar to those prevailing in commercial plants.

The curing laboratory contains all the necessary equipment for the pick-ling, dry-salting and mild-curing of fishery products.

Ultimately a small refrigeration and cold storage plant will be installed for the purpose of economic study of the various methods of freezing and preserving fishery products in cold storage.

A smokehouse will be built for the purpose of carrying on experiments in smoking of various species and their utilization as food either in this con-

dition or canned.

The testing room will have a constant temperature of approximately 98° Fahrenheit, and in it samples of canned fishery products may be incubated, by means of which swells may be separated from the other cans and the sufficiency of the process used in the cannery determined. Various vacuum gauges and can testers will also be available.

Fish Hatchery.—The fish hatchery occupies about seven hundred square feet of floor space in Fisheries Hall No. 2. It is furnished with hatching troughs, baskets, and other essential equipment for the care of 500,000 salmon or trout eggs. A complete equipment consisting of batteries of open-top jars is provided for the care of several million of semi-buoyant eggs. Feeding tanks and aquaria are also provided in which experimental work in fish culture may be carried on. A number of cement-lined ponds are available in the College grounds for the rearing of various species of aquatic animals.

Within easy reach of the University are located state and federal fish hatcheries where a study may be made of the actual conditions under which

fish culture is carried on.

FOREST AND LUMBERING LABORATORIES

Dendrology.-Individual lockers. Extensive collections of tree seeds, cones, bark specimens. An aboretum is under way.

Logging and Lumbering.—Field work at logging camps and sawmills about Seattle. Complete equipment of instruments and tools is available for work in logging engineering. Collections of lumber, showing grades and patterns, charts of lumber grades, exhibits of sawmill and woods saws, logging equipment, such as wire ropes, axes, hooks, blocks, special appliances for donkey engines, saw-mill belts, models of high lead logging, etc.

Mensuration.—Equipment selected to show principal types of instruments in use. Those adapted for use in the Northwest are provided in quantities sufficient for all practice work in cruising, surveying, volume, growth and yield studies.

Silviculture.—Forests around Seattle offer wide opportunities for practical studies and demonstrations. The extensive forest tree nursery of the College of Forestry affords excellent opportunity for practice in modern nursery methods.

Timber Physics.-Laboratory work is carried on in the U.S. Forest Service Timber Testing Laboratory, operated in cooperation with the University. The laboratory is magnificently equipped with seven large testing machines for static and impact loading, circular and band saws, planer and other shop equipment for wood-working.

Wood Technology.-Individual lockers, gas, water, compound microscopes and all apparatus for preparing and sectioning wood for microscopic study are provided. Hand specimens and planks of domestic and foreign commercial timbers are provided in large quantities. These include extensive collections of South American, Australian, Philippine, Japanese and other foreign hardwoods. Microscopic slides of nearly all American woods are kept on hand for check specimens.

Forest Products Laboratories.—A forest products laboratory was erected last year at a cost of \$85,000. Owing to the shortage of class room accommodations on the campus, the products laboratory is used to house all of the activities of the College of Forestry until the second unit of the Forestry Group—a building of approximately 60x120 feet—is erected. The laboratories for work in forest products now ready on the campus consist of four distinct units, as follows:

1. General Laboratory.—Equipped with microtome, water baths, drying ovens, microscopes, chemical and pulp balances, all apparatus necessary for technical examination of wood preservatives, standardized thermometers, cameras and other apparatus required for photomicrography, dark room, and all incidental apparatus required for the detailed

study of wood tissues.

Wood Preservation Laboratory.—Consists of both an open tank and a pressure plant. The former is of commercial size for treating ties, composed of two treating tanks and two storage tanks, one of steel for creosote, the other a wooden tank for salt solutions and other preservatives. The pressure plant consists of a 12-food retort, air compressor and vacuum pumps and a duplex pressure pump, is so constructed that it may be used for any of the different pressure processes.

3. Wood Distillation Plant-Consists of a retort of one-half cord capacity per charge, gas tank, and refining apparatus. The retort has been installed by the U. S. Forest Service for cooperative work with the

University.

4. The Dry Kiln.—This is a plant of about one carload capacity, and is equipped with a recording hygrometer and thermometer, hygrodeik, and automatic temperature control.

Commercial Plants.—Plants for the manufacture of paper, wood pipe, cooperage, excelsior, wood conduit, veneers, furniture, boxes, and numerous other secondary wood products are available for study. Four large creosoting plants and several smaller preservative plants are also available.

Demonstration Forest and Experiment Station.—Consists of a 60,000acre tract comprising the Pilchuck-Sultan watersheds formerly a part of Snoqualmie Forest. It is very conveniently reached from Seattle, and offers almost ideal conditions for a school forest. It has a total stand of timber of over a billion and a half feet, representing nearly all species of the Pacific Northwest, but more than three-fourths is composed of Douglas fir, cedar and hemlock. As there is an excellent representation of age classes, it will lend itself readily to scientific forest management. It is estimated that the tract will yield from \$20,000 to \$25,000 annually on a sustained yield basis. It is expected that title to the tract will be completed in the near future.

GEOLOGY LABORATORIES

The geology laboratories, four in number, are in Science hall. Two are on the first floor, and consist of large rooms arranged for general geology, physiography, meteorology, mineralogy, petrography and paleontology. Two laboratories are in the basement, in well-lighted rooms at the southwest end of the building.

For work in mineralogy and petrography extensive collections of minerals and rocks are supplied; and for paleontological study collections of fossils and casts represent the principal geological formations. In the study of meteorology practical work is done by the use of a complete set of weather bureau instruments. For the study of earthquake phenomena a Bosch-Omori seismograph has been installed for some years. For general laboratory and lecture work the latest model Bausch & Lomb Balopticon with reflectoscope and polariscope attachments is provided.

JOURNALISM LABORATORIES

The journalism laboratory, occupying 30x60 feet in the basement of Commerce Hall, is equipped with chases, imposing stones, type materials, borders and everything necessary to teach students how to dress a newspaper. For students interested in advertising and commercial printing, other special equipment is provided. A laboratory library of publications from supply houses, is always available, containing the latest information on type, paper, furniture, engravings and all equipment of the publishing and allied trades.

The journalism laboratory opens into the University Press, where practically all University printing is done. This makes convenient regular assignment house on various trace of machinery as the plant has its own along

signment hours on various types of machinery, as the plant has its own slug casting and type casting machines, cylinder, platen and rotary presses, folder, cutter, sticher, etc.

MECHANICAL ENGINEERING LABORATORIES

The steam and experimental laboratory is fully equipped with steam apparatus, including engines aggregating 900 H. P., of simple and compound, high speed and Corliss types; steam turbine; jet and surface condensers; injector; centrifugal pump; steam calorimeters; indicators; calibrating appliances; oil testing machine; gas engine of stationary and automobile types; gas producer plant; refrigerating apparatus; compressed air machinery for two stage compression and Westinghouse full train equipment; fuel testing facilities, including Mahler Bomb, Junkers and other colorimeters, with accessories for determining heating value and analysis of solid, liquid and gaseous fuels.

There is a woodworking shop, machine shop, foundry and forge shop.

The wood shop is equipped with benches, lathes, band saws, circular saws,

planer, and trimmer. The forge and foundry are equipped with down-draft forges, power hammer, punch and shears, cupola, moulding machines, shakers, rattler, riddles, brass furnace, core ovens, and traveling crane. Machine shop is equipped with small and large lathes, drill press, milling machine, planer, sharper, metal saw, grinding machine and complete equipment for bench and vise work.

MINING, METALLURGICAL AND CERAMIC LABORATORIES

The laboratories for mining, metallurgy, and ceramics proper are housed in two buildings; Mines Hall, occupied since 1910, contains the equipment for mining, ore dressing, and all branches of metallurgy, while the ceramics, fuels, and coal washing laboratories are in the new mines laboratory.

Mining, Ore Dressing, Metallurgy.—Mines Hall is a pressed brick building standing near the center of the campus. The main portion of the structure, measuring 50 by 80 feet, contains the offices, library, classrooms, drafting rooms and museum, as well as laboratories, desks, stockroom and balance room for assaying and general metallurgy. The rear wing, 40 by 66 feet, with basement, tower, and a 90-foot stack, is occupied by mining and milling machinery, electric furnaces, supplies, and stocks of ore. An addition contains a steel locker room, lavatory, shower-baths, and a metallographic laboratory.

The metallurgical equipment includes standard size furnaces fired by six methods,—coal, coke, gasoline, gas, fuel-oil and electricity. Other important pieces of equipment are a reverberatory furnace, pyrometers of several types, cyanide equipment, amalgamating devices, blowers, calorimeters, balances, sampling machines, and exhibits of metallurgical processes and

products.

The electrometallurgy laboratory is equipped with transformers, voltage regulators and switchboard through which power can be used at rates ranging up to 3600 amperes and at voltages varying from 1 to 484. A quarterton steel melting furnace and six other furnaces of various types are in use. The electrolytic laboratory contains a 3-horsepower motor-generator set, switchboard, meters, vats and accessory apparatus. A good supply of electrodes and refractory materials is kept in stock.

The mining equipment consists of air compressors, receivers, three rock drills, aerial tram, hand tools, full equipment for practice in blasting, loading and tamping models, exhibits of mining and timbering methods, drawings blue prints, photographs, lantern with 1,600 slides, and collections of ores and minerals. The College of Mines mill contains breakers, rolls, 3-stamp battery, feeders, screens, classifiers, jigs, six concentrating tables, flotation cells of six types, Dings magnetic separator, and accessory apparatus.

Ceramics and Coal Washing.—The new mines laboratory, completed in 1921, is located in the engineering group and is the latest representative of the collegiate gothic style of architecture adopted by the University. The structure is four stories in height, with steel frame, reinforced concrete walls and floors, brick face, terra cotta trim, and slate roof with copper trimmings. A special feature of the building is the unusually large window area. An electric elevator serves all floors; hot and cold water, steam, compressed air, gas, and electricity for lighting, power and electrolytic purposes, reach all the laboratories.

The ceramics equipment, together with the offices and class rooms, occupies the northern two-fifths of the building, including the main entrance hall. The apparatus may be used for both manufacturing and testing ceramic products. The heavy brick machinery, located in the basement, consists of a 4-foot Crossley dry and wet pan, a Mueller universal auger machine with cutting table, and a large American dry brick press. The pottery machinery includes a Patterson clay washing outfit with a double blunger. power screens, agitator, pump and filter press, a potter's pug mill, jolly wheel and plaster molds for both jollying and casting ware. The terra cotta equipment consists of pressing molds, a De Vilbiss spraying apparatus, engobe and glaze materials, and glaze-grinding ball mills. Firing apparatus installed on the basement floor includes an oxygen acetylene cone-fusion furnace; a 3-foot, high-temperature, load-test kiln for two bricks; two portable muffle pottery kilns; a 10 by 7-foot open-fired, down-draft brick kiln; and a 10 by 8-foot terra cotta and glaze kiln of muffle type. The kilns are equipped with Brown pyrometers and fired with both gas and oil. General testing apparatus consists of sample molds, a small Mueller auger machine, a sample dry press, ageing cellar, volumeters, steam dryer, constant temperature electric dryer and transverse and tensile strength machines. The ceramic museum, library and office, physical-chemical laboratory, and locker room are on the third floor. Lecture, storage and pottery class rooms occupy the fourth floor.

The coal section of the new mines laboratory occupies the southern three-fifths of the building, and consists of three floors surrounding an open well or hatch, a lower main floor, and a sub-basement. Coal for testing is received on the ground floor, in lots up to thirty tons, and is screened to remove large sizes; smaller sizes pass into a concrete bin from which they are drawn to elevators for transportation to screens on the fourth floor, the screened products falling into bins on the third floor. From the bins, gravity flow delivers the screened sizes to the second floor, on which are located classifiers, jigs, tables, and other washing equipment. Products from these machines may flow to the lower floor for settling and dewatering. Large sizes of coal will be crushed in the sub-basement and wheeled to the elevator for delivery to the upper floor. Sampling devices will be installed at suitable points.

The third floor of the building contains fuel and analytical laboratories for the College of Mines and the U.S. Bureau of Mines, a room for conducting sink-and-float tests, office rooms, and special equipment. The ground floor contains a sampling room, a coal crushing and grinding room for the preparation of samples, and a two-stage compressor for supplying air for

UNITED STATES BUREAU OF MINES NORTHWEST EXPERIMENT STATION

The United States Bureau of Mines maintains at the College of Mines, a mining and metallurgical experiment station for the Pacific Northwest and the coast regions of Alaska. The headquarters of the station, from which all operations in this territory are directed, are in the Bureau of Mines building, between Mines and Bagley halls. An analytical laboratory is in the same building, while the electric furnaces and other equipment used by the bureau in cooperation with the college are housed in the Mines building. At present the principal investigations being conducted by the station are in electrometallurgy, in the treatment and uses of coal and in ceramics. Members of the experiment station staff give occasional lectures to the students of the University on subjects dealing with their special lines of work.

Mine Safety Station.—The Mine Safety Station occupies a separate building. Several sets of various types of oxygen rescue and resuscitation apparatus are kept on hand for practice as well as for use in mine rescue work. The purpose of the station is to train miners in the use of oxygen helmets, which are used in cases of mine fires and explosions in both coal and metal mines. From ten days to two weeks' time is required for the

course of training. The applicant is taught the construction of the apparatus and is required to wear it for four hours each day, in two periods of two hours each. The practice is carried on in a room filled with gas which cannot be breathed without immediate danger, and the work to be performed is the same as that which would be required in actual mining operations or rescue work. The smokeroom represents a portion of a mine, and is equipped with mine car, track, overcast, timbers and brick. First-aid instruction is also given. Applicants who have completed the course of training receive a certificate from the United States Bureau of Mines.

A one-ton 45-horsepower automobile truck, equipped with rescue apparatus ready for emergency calls, forms part of the equipment of the rescue

station.

PHARMACY AND MATERIA MEDICA LABORATORIES

Rooms devoted to pharmacy, materia medica and chemistry are in Bagley hall, a three-story fireproof building. Special sections are provided for pharmacy students in general, organic and qualitative chemistry. Work in prescription practice receives special attention in a room constructed and arranged as a model prescription pharmacy. The materia medica room contains a museum of several hundred samples of official and unofficial crude drugs. It also contains an extensive collection of commercial and biological products manufactured and donated by the H. K. Mulford Company of Philadelphia, Pennsylvania, Parke, Davis & Co., of Detroit, Michigan, and Eli Lilly and Company, of Indianapolis, Indiana. One room is given to drug assaying and food analysis. The examination of official food and drug samples for the state is under the direction of the Dean of the College of Pharmacy, in a well equipped laboratory devoted to this purpose. Pharmacy students taking botany, physiology and bacteriology have well equipped laboratories in Science hall.

PHYSICS LABORATORIES

The laboratories set apart for the use of the department consist of: (1) A general laboratory for students in arts and sciences, (2) a general laboratory for students in applied science, (3) an electrical laboratory, (4) a heat laboratory, (5) a sound and light laboratory, (6) a photometry room, (7) a battery room.

The laboratories are supplied with apparatus from the best American

and European makers.

The Bureau of Testing is equipping itself as rapidly as possible to meet the demand for a bureau where scientific instruments may be accurately calibrated and tested. The standards of the bureau will be calibrated by our National Bureau of Standards at Washington, D. C.

The bureau is prepared to calibrate direct and alternating current instruments, to determine candle power of lamps, to measure temperature, both high and low, and to a limited extent standardize weights. Those desiring to have work done should address the director, Frederick A. Osborn.

PSYCHOLOGY

The psychology laboratory occupies the third floor of Philosophy hall. The fourth floor of this building which will ultimately be a part of the laboratory, is temporarily occupied by another department.

ZOOLOGY

The laboratory work of the department of zoology is conducted in six rooms located on the second floor of Science hall. Here are adequate facili-

ties for pursuing the following lines of investigation: General zoology, physiology, cytology, parisitology, plankton, entomology and research.

BAILEY AND BABETTE GATZERT FOUNDATION FOR CHILD WELFARE

On December 21, 1910, this foundation was established by a gift to the University of \$30,000 made by Sigmund Schwabacher and by the executor of the will of the late Abraham Schwabacher. The purpose of the foundation is (1) to conduct a laboratory for the mental and physical examination of children in order to determine their individual defects and aptitudes and, in accordance with the results of the examination, to suggest the best means of education and treatment; (2) to assist in establishing child welfare agencies and child study laboratories throughout the state, and (3) to carry on research in child psychology.

In December, 1915, the Bailey and Babette Gatzert Foundation for

Child Welfare was created a separate department of the University.

ENGINEERING EXPERIMENT STATION

The Engineering Experiment Station was formally organized in December, 1917, in order to coordinate the engineering investigations in progress and to facilitate the developments of industrial research in the University.

The scope of the work is twofold:

To investigate and to publish information concerning engineering problems of a more or less general nature that would be helpful in municipal, rural and industrial affairs;

To undertake extended research and to publish reports on engineer-

ing and scientific problems.

The purpose of the station is to aid in the industrial development of the state and nation by scientific research and by furnishing information for the solution of engineering problems. Every effort will be made to cooperate effectively with professional engineers and the industrial organizations in the state. Investigations of primary interest to the individual or corporation proposing them, as well as those of general interest, will be undertaken through the establishment of fellowships.

The control of the Engineering Experiment Station is vested in an administrative staff consisting of the president of the University, the dean of the College of Engineering, ex-officio director, and seven members of

the faculty.

For administrative purposes, the work of the station is organized into seven divisions: (1) forest products, (2) mining and metallurgy, (3) chemical engineering and industrial chemistry, (4) civil engineering, (5) electrical engineering, (6) mechanical engineering, (7) physics standards and tests.

Inquiries in regard to the work of the Engineering Experiment Station should be addressed to the director.

GENERAL INFORMATION

THE UNIVERSITY ORGANIZATION

The University of Washington is one of the five institutions of higher education which complete the system of public education of the state, the others are the state college and the three normal schools. To the University is given exclusive authority to instruct in the following major lines: Aeronautical engineering, architecture, commerce, fisheries, forestry, journalism, law, library science, marine engineering and medicine.

law, library science, marine engineering and medicine.

The University has concurrent authority with the state college to instruct in the following major lines: Chemical engineering, civil engineering, electrical engineering, home economics, liberal arts, mechanical engineering, mining, pharmacy, professional training of high school teachers, school su-

pervisors, and school superintendents, and pure science.

Schools and Colleges and Their Fields.—To carry out its share of this educational responsibility, the University is organized in the following schools and colleges:

(A) The Colleges of Liberal Arts and Science, which provide a liberal education in the fields of arts and of pure science, leading in a course, normally requiring twelve quarters of residence, to the degrees of bachelor of arts and bachelor of science.

(B) The professional and technical schools and colleges, including:

 The College of Business Administration, covering in a course of twelve quarters the fundamentals of scientific training for industry and commerce. The degree given is bachelor

of business administration.

(2) The School of Education requires for admission six quarters' of approved work in any college of the University, and in an advanced course of six quarters, prepares students for careers in the field of education as high school teachers and school administrators. The degree is bachelor of arts in, or bachelor of science in education. Students in the College of Liberal Arts may major in the department of education and take the degree of bachelor of arts.

(3) The College of Engineering has four departments, chemical, civil, electrical and mechanical engineering (including aeronautical and marine), their curricula leading in twelve quarters to the degree of bachelor of science in the special field chosen by the student. The degree of master of science

in each field is open to graduate students.

(38)

(4) The College of Fine Arts offers curricula of twelve quarters in architecture, vocal, instrumental, or public school music, or musical theory, painting and design, public school drawing, music and drawing, and dramatic art, leading to the degrees of bachelor of architecture, bachelor of music and bachelor of fine arts or bachelor of liberal arts, with a major in one of the subjects named.

(5) The College of Fisheries, recently established, lays a scientific foundation for work connected with the fisheries industry, one of the chief resources of the Pacific Coast.

- (6) The College of Forestry offers a curriculum of twelve quarters preparing for work in scientific forestry or in lumbering industry. Bachelor of science is the degree offered. The full professional course is fifteen quarters, with a liberal allowance of electives, giving opportunity for specialization in forest service and state work, logging engineering, forest products, or the lumber business. For this course the degree of master of science may be given in the Graduate School.
- (7) The School of Journalism, requires for entrance the junior certificate, elsewhere explained, based on the completion of the first two years of college work in arts or science. The curriculum leads to the degree of bachelor of arts in journalism and prepares its students for practical newspaper work.
- (8) The School of Law is the standard of approved law schools for admission to the bar of this state. For admission the student must present a junior certificate from the College of Liberal Arts or the College of Science, or its equivalent. The curriculum of the school requires three school years or nine quarters, and leads to the degree of bachelor of laws. The degree of master of laws is also given. Students may carry on work in liberal arts or science and law concurrently, taking both bachelors' degree in six years, or eighteen quarters.
- (9) The Library School by means of a technical curriculum extending through three quarters based upon either three or four years of academic study prepares students for service in librarianship. Upon the completion of the library school curriculum (46 credits), when based upon three years of academic study, the bachelor of arts degree is granted. When based upon four years of academic study, for which the student has received the baccalaureate degree, the professional degree of bachelor of science in library science is granted.
- (10) The College of Mines offers four-year or twelve-quarter curricula, leading to the degree of bachelor of science in mining engineering, geology and mining, metallurgical engineering, or coal mining engineering. The fields open to graduates of this college are indicated by these divisions. The college also offers a curriculum in ceramics (clay, glass and cement products.) The degree of master of science, with a major in one of these lines, may be obtained in the Graduate School.
- (11) The College of Pharmacy offers three-year and four-year courses, the first giving preparation in technical and commercial pharmacy, and the second providing a well-rounded scientific training in this field. The three-year course leads to the degree of pharmaceutical chemist, and the four-year course to that of bachelor of science in pharmacy. A fifth year, taken in the Graduate School offers an opportunity for graduate research work and leads to the degree of master of science in pharmacy.
- (C) The Graduate School offers work leading to the degrees of master of arts, master of science, master of arts or master of science in technical subjects, certain technical or professional master's degrees (as, for example, master of business administration), and

doctor of philosophy. A master's degree presupposes at least one year of resident work of high grade and special character, and a doctor's degree at least three years of such work. The University is placing increased emphasis upon its graduate work.

Definitions and Explanations.—In all statements relating to the University the word course refers to a single study pursued for a definite period, for which credit may be given toward University requirements for graduation in accordance with the number of hours taken; a curriculum is a group of courses arranged to be taken consecutively or concurrently; a department is the unit of instructional organization in a particular science or art, as the department of geology; a college gives full curricula, beginning with the work of the freshman year and covering twelve quarters; while the work of a school is based upon two or more years of college work.

The four-year programs of the Colleges of Liberal Arts and Science are further divided into the lower division (freshman and sophomore) and upper division (junior and senior). The junior certificate is given for the completion of the requirements of the lower division in the College of Liberal Arts. The more advanced work of the upper division leads to graduation with the bachelor's degree. The specialized work of the schools is upper division or graduate work and requires the junior certificate as a minimum

to enter upon it.

'Special Curricula Within the Schools.—Certain semi-professional curricula are also given for which no special school or college is provided. Such is the curriculum in nursing and public health, given in the College of Science.

The University does not give a medical course, but it offers a pre-medical curriculum especially planned as a foundation for study in a medical school. This may be two years in length for schools not requiring college graduation, or four years for schools requiring that amount of preparation.

Under the provisions of the National Defense Act, students in the University may attain commissions as reserve officers in the United States Army by meeting the requirements for advanced work in military science. This is done without interference with the students' regular academic work.

The Four-Quarter System.—The University is now operated on the four-quarter system, each quarter having approximately twelve working weeks. These quarters or terms begin in October, January, April and the latter part of June. The University is closed only through the month of September. A careful reading of the calendar will show the working of this plan in detail. Students may enter at the beginning of any quarter. This permits them to do a full quarter of university work in the summer, in most curricula, to complete a university course in three years, if health and resources permit, or otherwise to adjust their university residence to meet personal conditions. This flexible plan is of especial advantage in the University of Washington because the absence of extremes in climatic conditions is favorable to mental work at all times of the year.

Admission to the University

GENERAL STATEMENT

All correspondence regarding the admission of students to the resident course of the University, as well as the requirements for graduation, should be addressed to the registrar.

Students are admitted to the resident work of the University by certi-

ficate or by examination, only recommended graduates of fully accredited four-year secondary schools being admitted on certificate. Students are classified as graduates and undergraduates. Undergraduates are classified as regular students (freshmen, sophomores, juniors, and seniors), unclassified students, and special students.

ADMISSION BY CERTIFICATE

Application for Admission to Freshman Standing.—A graduate of a four-year accredited secondary school, whose course has covered the requirements for entrance as outlined on pages 43-45 and who meets the scholarship requirement outlined below, will be admitted upon recommendation of his principal and the presentation of a satisfactory certificate. Since the school diplomas do not give the necessary information, they cannot be accepted for this purpose. The principals of all accredited high schools in the state are furnished with the official blanks, which may also be obtained from the registrar's office.

Applications for Admission to Advanced Standing.—Applicants for advanced standing are required to furnish a complete certified statement of both preparatory and college credits, together with a letter of honorable dismissal from the institution last attended.

The credentials for students expecting to enter the University in the autumn quarter, 1922, should be filed in the registrar's office not later than August 15.

Scholarship Requirement.—The University has adopted a scholarship requirement of a grade of 80 or better in at least two-thirds of the subjects accepted for graduation from high school and for entrance to the University. This requirement will not be imposed on students who have graduated from high school, before September, 1921. In the fall of 1922, this requirement will have to be satisfied in respect to the subjects taken during the senior year of 1921-1922; in the fall of 1923, in respect to subjects taken during 1921-1922 and 1922-1923, the junior and senior years respectively; in the fall of 1924, in respect to subjects taken in 1921-1922, 1922-1923 and 1923-1924; and in the fall of 1925, in respect to the full course in high school (except such portion of it as may have been completed previous to September, 1921).

Any graduate of an accredited secondary school who fails to meet the scholarship requirement for admission, has the privilege of qualifying for admission by passing the regular University entrance examinations in a sufficient number of subjects in which he has fallen below the grade of 80, to bring his average grade up to the required two-thirds above 80. The successful passing of these examinations, however, will require a very thorough review of the subjects concerned after the work has been completed in high school.

Graduates desiring to take advantage of this privilege should consult with their principals regarding the best method of preparing for the entrance examinations. They should also notify the Registrar of the University of their intention of taking examinations.

Accredited Schools.—The list of accredited secondary schools in the State of Washington is as follows for the year 1922-1923:

I. PUBLIC HIGH SCHOOLS

Enumclaw Napavine Aberdeen Newport Ephrata Almira Nooksack Anacortes Everett Fairfield North Bend Arlington Fall City Oakesdale Asotin Karmington Oak Harbor Auburn Ferndale Oakville Battle Ground Odessa Bellingham Fife Okanogan **Koster** Whatcom Friday Harbor Olympia Fairhaven Garfield Omak Bickleton Oroville Goldendale Black Diamond Grandview Orting Outlook Blaine Bothell Granger Granite Falls Bremerton (U. H.) Pateros Brewster Harmony Palouse Harrington Buckley Pasco Burlington Hartline Pe Ell Burton (U. H.) Hillyard Pomeroy Port Angeles Hoguiam Camas Cashmere Ilwaco Poulsbo Issaquah Castle Rock Port Townsend Centralia Kalama Prescott Kapowsin Chehalis Prosser Kelso Pullman Chelan Kennewick Puvallup Cheney Raymond Chewelah Kent Kettle Falls Chimacum Reardan Kirkland (V. H.) Kittitas (V. H.) Redmond Clarkston Cle Elum Renton Colfax La Conner Republic Colville (U. H.) La Crosse Richland Coulee City Coupeville Latah Ridgefield Leavenworth Ritzville Cowiche Lebam Rochester Creston Lind Rockford Davenport Lower Naches Rosalia Dayton Lynden Roslyn Deer Park Deming Mabton Rov Malden Seattle Marysville Ballard Doty Dryad Mead Broadway Medical Lake Duvall Franklin Entonville Meridan (U. H.) Lincoln Queen Anne Edison Monroe Edmonds Montesano West Seattle Mossy Rock Edwall Sedro Woolley Mount Vernon (U. H.) Ellenshurg Selah Elma Moxee Sequim Endicott

South Bend Spangle Spokane Lewis and Clark North Central Orchard Avenue Sprague Stanwood Stevenson St. John Sultan (U. H.) Sumas Sumner Sunnyside Tacoma Lincoln Stadium Tekoa Tenino Toledo Tolt (U. H.) Tonasket Toppenish Touchet Twisp Vader Valleyford Vancouver Vashon Vera, Greenacres Waitsburg Walla Walla Wapato Washougal Washtucna Waterville Wenatchee White Salmon Wilbur Wilson Creek Winlock Winslow Woodland Yacolt Yakima Zillah

Shelton

Skykomish

Snohomish

II. OTHER SECONDARY SCHOOLS IN WASHINGTON

Annie Wright Seminary, Tacoma Holy Angels Academy, Seattle, (provisional) Forest Ridge Convent, Seattle, (provisional) Holy Names Academy, Seattle Holy Names Academy, Spokane Moran School, Rolling Bay Pacific Lutheran Academy, Parkland Mme. Pless School, Seattle (provisional) Seattle Pacific College, Seattle (academy) Spokane College, Spokane (preparatory de-partment) (provisional) St. Dominic's Academy, Everett St. Martin's College, Lacey (high school department) St. Nicholas School, Seattle St. Paul's Academy, Walla Walla (provisional)

Aquinas Academy, Tacoma Walla Walla College Academy, Walla Walla (provisional)

Y. M. C. A., Seattle (provisional)

III. SCHOOLS OUTSIDE OF WASHINGTON

Graduates of secondary schools outside of Washington will be admitted on the same terms as graduates of accredited schools of Washington, provided the school in question is fully accredited, (1) by the North Central Association of Schools and Colleges, (2) by the New England College Entrance Certificate Board, or (3) by the leading university whose standards of admission are practically the same as those of the University of Washington.

Graduates of four-year high schools in Alaska that are recommended by the Commissioner Education for Alaska will be accepted, until further notice, on the same basis as graduates of accredited schools in Washington.

Admission by Examination-Applicants for admission by examination are required to pass, with grades above 80 per cent in at least two-thirds of the required work an examination based on a four-year course amounting in the aggregate to fifteen units* and covering the requirements of the college that the student wishes to enter.

Entrance examinations are held at the office of the Registrar on the following dates:-July 26, 27, 28; September 27, 28, 29, and December 20, 21,

22, 1922; March 19, 20, 21, and June 13, 14, 15, 1923.

Persons desiring to take entrance examinations should fill out application blanks at the registrar's office several days before date of examination. Blanks will be mailed to applicants on request.

The schedule of hours for examination may be obtained from the regis-

trar.

Certificates of successful examinations before the College Entrance Examination Board will be accepted in lieu of matriculation examinations conducted by the University of Washington. With this exception, however, the only examinations recognized for giving entrance credit are the regular scheduled examinations held at the registrar's office, or special examinations, authorized by the registrar.

Examinations for Exemption in English.—The department of English will give an examination in English composition for those students who wish to attempt it, with the view of being excused from all or a part of the required course in college composition. It is hoped that a large number of entering students will present themselves for this examination, which will be held on the same dates as the regular entrance examinations for the autumn quarter.

REQUIREMENTS FOR ADMISSION

Correspondence.—Credentials and all correspondence relating to admission to any college or school of the University should be addressed to the Registrar, University of Washington, Seattle.

Freshman Standing.—Freshman standing in the University is granted to any recommended graduate of a four-year accredited secondary school who meets the scholarship requirement outlined on page 41 and presents fifteen units* of credit, distributed as follows:

(a) 3 units of English.
(b) 1 unit of algebra.
(c) 1 unit of plane geometry.

- (d) 3 units selected from one of the following groups (or 2 units if 3 units of mathematics are presented).
 - **(1) Foreign language, either ancient or modern, (at least 2 units in one language; not less than one unit will be counted in any language).

 (2) History, civics, economics (at least one unit to form a year of consecutive

work in history).

(3) Physics, chemistry, botany, zoology, general biology, physical geography, geology, physiology. (Not less than one unit will be counted in physics, chemistry, or general biology. No science will be counted as applying on this requirement unless it includes a satisfactory amount of laboratory work).

(e) 2 units in subjects presented in the above groups (1) (3).

*To count as a "unit," a subject must be taught five times a week, in periods of not less than forty-five minutes, for a school year of not less than thirty-six weeks. **A student who has not taken in high school the amount of foreign language which

may be required for admission to the college that he plans to enter, will make up the defi-ciency in the University as part of his regular schedule of work, but without receiving col-lege credit for it. For the Colleges of Science and Fine Arts, the requirement may be satisfied by two units or 20 quarter credits in any one foreign language. For the College of Liberal Arts, by two units or 20 quarter credits in one of the following: Latin, Greek, Ferench, German, Spanish, Scandinavian, or Italian. A student falling to present two units in one of these languages, but presenting two units in another foreign language, will receive college credit for required foreign language taken in the University.

(f) 8 units selected from subjects accepted by an approved high school for its diploma. Not less than one full unit will be counted in physics, chemistry, general biology, or a foreign language. A maximum of 4 units will be counted in vocational subjects, except for admission to the Colleges of Business Administration and Fine Arts. For admission to the College of Business Administration, a maximum of 8 units in vocational subjects will be accepted, of which at least 4 units must be in commercial branches; and a student presenting 8 such vocational units and 2 units in history, and fulfilling requirements (a), (b) and (c), will be given freshman standing in that college without being held for requirements (d) and (e). If the student is transferred later to another college, only 4 vocational units will be counted, and the student will be required to meet the requirements (d) and (e). For admission to the College of Fine Arts, a maximum of 5 units in vocational subjects will be accepted, provided that not less than 2 units of the five are in fine arts subjects. If the student is transferred rater to another college only 4 vocational units will be counted.

A candidate who fulfills these requirements will be admitted to freshman standing in any of the colleges of the University. ‡However, if he has not taken in high school certain of the subjects recommended for admission to the college that he may decide to enter, he will take them in the University, or if they are not offered in the University, he will take them in some accredited secondary school or with a tutor, as part of his authorized schedule of work. Such subjects, if taken in the University, may apply toward a degree, as far as elective courses make this practicable. In certain curricula, however, these subjects must be taken in addition to the prescribed subjects. A student entering without having satisfied any such prerequisite is required to register so that the prerequisite will be satisfied not later than the end of his fourth quarter of residence. A student failing to meet this requirement is ineligible for readmission until the prerequisite has been satisfied.

Entrance with condition, to freshman standing, is not permitted. Excess admission credit does not establish any presumptive claim for advanced standing, unless the student has taken a graduate course in the high school of at least one semester.

SPECIFIC SUBJECTS RECOMMENDED FOR ADMISSION TO THE SEVERAL COLLEGES

COLLEGES OF LIBERAL ARTS AND SCIENCE (GENERAL COURSES)

3 units of English. 1 unit of algebra.

1 unit of plane geometry.

CURRICULUM PREPARATORY TO MEDICINE AND CURRICULUM FOR NURSES (COLLEGE OF SCIENCE)

3 units of English.
1 unit of algebra.

1 unit of medieval and modern history.

ر ق

1 unit of physics. ††2 units in *one* foreign language.

1 unit of plane geometry.
1 unit of United States history and civics.

COLLEGE OF FINE ARTS

3 units of English.
1 unit of algebra.

1 unit in one of the following: physics, chemistry, botany, zoology.
1 unit in a history.or ½ unit in U. S.

1 unit of plane geometry. ††2 units in one foreign language.

history, and ½ unit civics.

†In satisfying entrance requirements with college courses, a minimum of ten quarter credits is counted as the equivalent of the entrance unit.

††A student who has not taken in high school the amount of foreign language which may be required for admission to the college that he plans to enter, will make up the deficiency in the University as part of his regular schedule of work, but without receiving college credit for it. Any modern foreign language is accepted for entrance credit (from an accredited school, or by examination), which the student can read, write and speak, and the grammar and literature of which he has studied as a part of his secondary training. For the Colleges of Liberal Arts, the prescribed languages are, Latin, Greek, French, German, Spanish, Scandinavian, Italian. However, if a student presents 2 entrance units in another foreign language he may receive college credit for work taken in the University in a prescribed foreign language.

COLLEGE OF BUSINESS ADMINISTRATION

8 units of English. 1 unit of algebra.

1 unit of plane geometry.

2 units of history, (American and modern history preferred).

COLLEGES OF ENGINEERING AND MINES

units of English. 1½ units of elementary and advanced algebra. 1½ units of plane and solid geometry.

unit of physics. 1/2 unit of shopwork.

COLLEGE OF FORESTRY

units of English.

unit of physics.

11/2 units of elementary and advanced algebra. 1 or 1/2 unit of botany. 11/2 units of plane and solid geometry.

COLLEGE OF PHARMACY

For the three-year course

8 units of English. 1 unit of algebra.

1 unit of plane geometry.

For the four-year course

3 units of English. 1 unit of algebra.

1 unit in one of the following: physics, chemistry, botany, zoology, physiology, general biology. (must include satisfactory amount of laboratory

1 unit of plane geometry.

work).

COLLEGE OF FISHERIES

8 units of English. 1 unit of algebra.

1 unit of plane geometry.

SCHOOL OF LAW, LIBRARY SCHOOL AND SCHOOL OF JOURNALISM (See following page.)

Unclassified Standing.—A graduate of a four-year accredited secondary school who meets the scholarship requirements outlined on page 41; but who does not meet the specific subject requirements for admission to freshman standing may, upon recommendation of his principal, be admitted as an unclassified student. Such a student will be allowed to enroll for those courses only for which he has had adequate preparation. By virtue of his classification he is not a candidate for a degree, but he may ultimately become a candidate for a degree by fulfilling as part of his college prescriptions all the requirements for entrance to and graduation from the college in which he is registered. An unclassified student is required to register, so that all prerequisites will be satisfied by the end of his fourth quarter of residence. Failure to comply with this requirement will render a student ineligible for readmission until regular standing has been acquired.

Special Students.—All courses offered by the University are organized for regular students, that is, students who have had the equivalent of a good high school education fully covering college entrance requirements. certain regulations, however, a mature person who cannot be admitted to freshman standing or as an unclassified student, may be admitted, classified

^{††}A student who has not taken in high school the amount of foreign language which may be required for admission to the college that he plans to enter, will make up the deficiency in the University as part of his regular schedule of work, but without receiving college credit for it. Any modern foreign language is accepted for entrance credit (from an accredited school, or by examination), which the student can read, write and speak, and the grammar and literature of which he has studied as part of his secondary training. For the Colleges of Liberal Arts, the prescribed languages are, Latin, Greek, French, German, Spanish, Scandinavian, Italian. However, if a student presents 2 entrance units in another foreign language he may receive college credit for work taken in the University in a prescribed foreign language. a prescribed foreign language.

as a special student, and allowed to register for those courses only for which he shows special preparation, in addition to such subjects as may be prescribed by the Committee on Special Students.

The number of such students admitted is necessarily limited by the facilities of the University. The regulations governing the admission of special students are as follows:

- 1. An applicant for admission to any college or school of the University, as a special student must be at least twenty-one years of age.
- 2. In general, a student from an accredited high school will not be admitted to this classification if he has been in attendance in the high school during the previous year.
- 3. All available certified credits for previous school work must be admitted to the registrar at least a month before the beginning of the quarter in which the student desires to attend, and an application blank for admission as a special student filled out, giving, in addition to other information, the kind of work desired, the reasons for desiring such work, and, when no credits can be presented, a detailed statement of any previous educational work and practical experience and a list of subjects in which the candidate is prepared to take entrance examinations.
- 4. Registration as a special student is for one quarter only. Re-registration will be refused if the student has not shown satisfactory earnestness and definiteness of purpose, if his work has not been good or if he has not complied with conditions prescribed by the committee on special students.
- 5. By virtue of his classification, a special student is not eligible for any degree. He may ultimately become a candidate for a degree, however, by completing the admission requirements of the college in which he is registered.
 - 6. Special students are not eligible to take part in student activities.
- 7. Persons desiring to be admitted as special students will apply to the registrar for the necessary application and credential blanks.

In order that applicants for admission as special students may receive full consideration, their applications should be filed with the registrar four weeks, at least, before the beginning of the quarter in which the applicant wishes to attend the University. Applications for the autumn quarter should be filed not later than August 15.

Advanced Undergraduate Standing.—Students from classes above the first year in other colleges of recognized rank, who present letters of honorable dismissal, may be admitted to the advanced standing for which their training seems to fit them. No advanced credit will be given for work done in institutions whose standing is unknown, except upon examination. Definite advanced standing will not be given until the student has been in residence for at least one quarter.

Advanced Credit by Examination.—If a student desires to be examined for advanced credit in work that he has not followed in a college class at the University, he may, with the approval of the head of the department concerned, do so. Credits, with grades so obtained, must be certified to by the examiner and the dean concerned, and shall not be given for work done while the student is in residence.

A student desiring to take an examination for advanced credit must first file an application and obtain a permit at the registrar's office.

Special claims for advanced credit based on credentials and passed on by a committee consisting of the registrar, the dean of the college and the heads of the departments concerned.

Admission to the School of Law and the School of Journalism.—Clear entrance to the College of Liberal Arts or the College of Science, and 102 hours (two years) of advanced credit in freshman and sophomore courses, covering all prescriptions for the junior certificate, are required for admission to the School of Law and the School of Journalism.

Admission to the School of Education.—Clear entrance to any college of the University and completion in that college of at least 90 hours of college credit in courses approved by the faculty of the School of Education and the faculty of the college concerned, and of 10 hours in military science or physical education, are required for admission to the School of Education.

Admission to the Library School.—Students who have qualified for senior standing in the College of Liberal Arts or the elective curricula of the College of Science, having earned 145 credits including ten credits in military science or physical education and all required work except the completion of a major, may be admitted to senior standing in the Library School as candidates for the degree of bachelor of arts, the requirements for which can ordinarily be fulfilled in one academic year.

Graduate students who hold baccalaureate degrees from any college or university in good standing and whose undergraduate work has included the equivalent of at least 20 college credits in each of two modern foreign languages, German and French preferred, may be admitted to the Library School as candidates for the degree of bachelor of science in library science, the requirements for which can ordinarily be fulfilled in one academic year.

Admission of Normal School Graduates to Advanced Standing.—Graduates of the normal schools of this state and of institutions of like standing elsewhere, who have completed at least two full years of normal school work after graduating from a four-year accredited high school, will be admitted to junior standing in the Colleges of Liberal Arts and Science, or the School of Education. For graduation with the degree of bachelor of arts, bachelor of science, or bachelor of arts or science in education, these students are required to earn a minimum of 90 credits in the University, including the satisfaction of such of the requirements for graduation from the respective curricula as have not been fairly covered by previous work. Normal graduates desiring admission to any of the other colleges of the University may be given such exemption or credit as their preparation seems to justify.

Admission to Graduate Standing.—A bachelor's degree from a college or university of good standing is required for admission to the Graduate School.

Auditors.—With the consent of the instructors concerned, any mature person, not registered as a student in the University, may be enrolled at the registrar's office as an auditor in not more than two courses, upon payment of a fee of \$10 a quarter. This provision does not apply to laboratory courses, or to any courses offered in the summer quarter.

NOTE.—Numbers in brackets are those of rules in the old Handbook of Rules and Regulations.

Rule 1. (a) In the summer quarter, any mature person, with the consent of the dean and the instructor concerned and upon payment of the regular tuition fee, may enroll at the registrar's office as auditor in any number of non-laboratory courses or the lecture parts of any number of laboratory courses.

(b) Persons who, while registered in the University, have attended courses as auditors, shall, in no case, be permitted to take the examinations in such courses or obtain credit therefor. [H.B.—27].

No person may regularly attend any course in which he has not been registered, or enrolled as an auditor.

REGISTRATION

Registration for all students for the autumn quarter will take place on Monday and Tuesday, October 2 and 3, 1922; for the winter quarter on Wednesday, January 3, 1923; for the spring quarter, Tuesday, March 27,

1923; and for the summer quarter, Tuesday, June 19, 1923.

Registration is complete when the election blank has been signed by all required registering officers and the student, when all required fees have been paid, and when all blanks have been left in the registrar's office or other place designated by the registrar. Registration by proxy is not permitted.

Late Registration.—The dates noted above are officially set apart for registration and enrollment, and all students are expected to complete their registration (including payment of all required fees) in those days. Students who fail to do this are charged an additional fee of \$2 for the first day's delay, and a further cumulative fee of \$1 for each day thereafter during the first week following the final official registration date. After the first week following the final official registration date, no student will be permitted to register except by special action of the Board of Deans. (Students who have been granted a leave of absence or withdrawn in good standing during a preceding quarter may, with the consent of instructors concerned be given the privilege of late enrollment in order to complete unfinished courses.)

Changes in Registration.—A fee of \$1 is charged for each change made by a student in his election of studies after his registration is completed, unless such change is made upon the initiative of University authorities.

Rule 2. Unsatisfied prerequisites take precedence over other subjects. student having any unsatisfied entrance prerequisite must so register for work that the deficiency will be removed by the end of his fourth quarter of residence. In special cases, permission to postpone the removal may be granted by the dean of the proper college; provided such permission be filed and entered on the student's record card before the grades for the student's third quarter are in. The registrar is authorized to refuse registration to any student not complying with this rule. from the registrar's decision may be taken to the Board of Deans. [H.B.—19].

Rule 3. Except with the consent of his dean:

(a) No student shall be registered for less than 12 hours of work;

(a) No student shall be registered for less than 12 hours of work;
(b) No student shall be registered for more than 16 hours of work (exclusive of drill or physical training), or the number for the respective quarters in the prescribed curricula. [H.B.—20].

Rule 4. With the consent of his dean, a junior or senior whose previous scholastic record has been exceptionally good, may be registered for a maximum of 19 hours (exclusive of drill or physical training). [H.B.—21].

Rule 5. No student may be registered for more than 19 hours (exclusive of drill or physical training). [H.B.—22].

Rule 6. Work taken to remove entrance deficiencies shall count as part of the

Rule 6. Work taken to remove entrance deficiencies shall count as part of the schedule allowed. [H.B.—23].

Rule 7. A student who is obliged to do outside work must enter on his registration blank a statement of the nature of the work and the number of hours per week so used. In considering petitions for reinstatement the Board of Deans shall take no cognizance of outside work if it has not been noted on the student's regis-

tration blank. [H.B.-24].

Rule 8. A student who registers for an elective course must ultimately complete the course, unless relieved of the necessity by his dean. A student properly withdrawn and given a "W" shall not be affected by this rule. [H.B.—25].

PHYSICAL EXAMINATIONS

All students on entering the University for the first time are required to present themselves for physical examination at the call of the department of physical education. Failure to be examined constitutes a delinquency on the records.

EXPENSES

Tuition and Fees.—By authority of the special legislative act of the session of 1921, the following tuition and fees will be collected beginning with the autumn quarter of 1921.

GENERAL TUITION FEES

Resident Tuition.—Fifteen dollars (\$15) general tuition per regular academic quarter from each student who has been domiciled within the state of Washington or the territory of Alaska for the period of one year prior to the date of registration.

Non-resident Tuition.—Fifty dollars (\$50) tuition per regular academic quarter from each student who has not been domiciled in the state of Washington or the territory of Alaska for the period of one year prior to registration.

Library Fee.—Five dollars (\$5) a quarter will be collected from each regular student, to be known as a library fee.

Associated Students Fee.—An associated student membership fee of ten dollars (\$10) for the year (exclusive of summer quarter) is collected of all regularly enrolled students upon registration.

Exemptions.—All honorably discharged service men or women who served in the military or naval service of the United States during the late world war; and all honorably discharged service men who served in the military or naval services of any of the governments associated with the United States during the said war, provided they were citizens of the United States at the time of their enlistment and who are again citizens at the time of their registration in the University may on application and showing that such fee will be an individual expense be exempted from the payment of general tuition fee provided they have been domiciled in the state of Washington or territory of Alaska for the period of one year prior to the date of registration. If any such service men have not been domiciled in

the state of Washington or territory of Alaska for one year prior to registration they are exempt up to twenty-five dollars (\$25) per quarter.

Deserving students (domiciled in the state of Washington or the territory of Alaska) who, after a quarter in residence have shown a marked capacity for the work done by them in school, in lieu of paying the general tuition fee, above provided for, may give their promissory notes with interest at the rate of four per cent per annum. All applications for this con-

cession must be presented to the comptroller's office.

Refunding Fees.—Tuition and other general fees are not returnable except in case of sickness or causes entirely beyond the control of the student. No portion of the returnable fees shall be returned for voluntary or enforced withdrawal after thirty (30) days from the date of registration of the students. In no case shall more than one-half of the fees be refunded. Students withdrawing under discipline forfeit all rights to the return of any portion of the fee.

OTHER CHARGES

Auditor's Tuition Fee.-A fee of \$10 a quarter will be charged all persons enrolling as auditors.

Part Time Tuition Fee.—A fee of \$10 a quarter will be charged persons registering for partial courses not exceeding six (6) credits.

Excess Hour Fee.—A fee of \$1 per credit per quarter will be charged each student registering for excess hours.

Law Library Fee.—Ten dollars (\$10) per quarter special law library fee from each student registering in law, in addition to the general tuition fee mentioned above. Students other than majors in law taking work in the School of Law will pay at the rate of one dollar (\$1) for each credit hour of law work elected up to a maximum of \$10 per quarter.

Short Course Tuition.—Twenty dollars (\$20) from each student registering in any short course—mining, forestry, fisheries, etc.

'Summer Quarter Tuition.—Twenty dollars (\$20) from each student registering in the summer, for the quarter or any part thereof.

Marine Biological Station Tuition.—Thirteen dollars (\$13) of which ten dollars (\$10) is for tuition and three dollars (\$3) is for laboratory fee,

Military Uniform Deposits.—Each student who is held for military drill is required to make a deposit of \$15 before he draws his uniform. Thirteen dollars (\$13) of this amount is returnable upon the presenting of proper clearance papers from the military headquarters; the two dollars (\$2) is retained as a breakage fee. The making of this deposit in no way entitles the student to ownership in any part of the military equipment or clothing issued.

'Special Examinations.—A fee of \$1 will be charged for all examinations given outside of the regular schedule.

Late Registration.—A penalty of \$2 is imposed for the first day's delay in registering and \$1 per day additional thereafter up to the close of the week during which registration is permitted.

Changes of Registration.—A fee of \$1 will be charged for changes in election, including additions or withdrawals of individual courses after completion of registration.

Diploma Fee.—The fee charged to graduates is \$5 for each one receiving a baccalaureate or higher degree, or a diploma in pharmacy, and \$5 for each one receiving a teacher's diploma. This teacher's diploma fee does not include the legal registration fee of \$1 paid to that county school superintendent who first registers a teacher's diploma.

LABORATORY FEES AND DEPOSITS

The following laboratory fees and deposits will be collected quarterly during the ensuing year, 1922-1923. With few exceptions, these fees are not returnable in whole or in part, and in no case can any rebate be allowed after 35 days from date of registration.

Anatomy—105, 106, 107 \$3.0	0
104, 108 \$5.0	
101, 102, 103 \$7.5	0
200 To be arranged.	
Architecture—54, 55, 56, 104, 105, 106, 154, 155, 156\$2.5	0
Astronomy—1, 11, 123, 171 \$2.0	0
Bacteriology and Pathology-4, 101, 102\$3.0	0
110, 111, 112, 201, 202, 203, 204, 205, 206\$4.0	0
Botany—8, 9, 10, 271, 272, 273\$1.0	0
1, 2, 3, 11, 12, 13, 14, 26, 53, 105, 106, 107, 119, 130, 140, 141,	
142, 143, 144, 145, 200, 233, 250, 251, 252, 253, 254, 261, 262,	
263, 279, 280\$2.5	0

Ceramics—180 \$5.00
110, 191, 192, 193\$10.00 121, 122, 123\$12.00 131, 132, 133\$5.00 or \$10.00
121, 122, 123\$12,00
Chemistry—All courses except 52, 200, 216, 221, 222, 223, 224.
225, 231, 232, 233\$7.50 Breakage ticket\$5.00—Desk key\$5.00
Civil Engineering—1, 4, 21, 22, 23, 24, 27, 30, 38, 55, 56, 126, 142, 167\$2.00 Economics and Business Administration—All courses \$1.50 ex-
Economics and Business Administration—All courses \$1.50 except those listed below:
64, 65, 111, 112, 154, 155, 156, 157, 158, 185 \$3.50
11, 12 Elementary accounting\$5.50 81, 82, 83—typewriting and 84, 85, 86, 87, shorthand\$10.00
Education—166, 167, 168, 215, 221, 222\$2.00 150, 223, 285, 286, 287\$3.00
Electrical Engineering—132, 141, 181, 182, 196, 198\$2.00 102, 110, 112, 122, 162, 164\$4.00
Fisheries—3, 4, 5, 101, 102, 103, 104, 105, 117, S. C. 8, S. C. 9, S. C.
12, S. C. 13\$3.00 106, 107, S. C. 7\$4.00
Forestry and Lumbering—1, 5, 51, 52, 53, 58, 101, 102, 104, 105 \$2.50 187, 188, 213, 214, 215 \$3.00
Geology—11, 12, 112, 113, S. C. 1\$1.00
1, 2, 5, 31, 120, 123, 124, 131, S. C. 2\$2.50 21\$3.00
Home Economics—3, 8, 43, 101, 102, 189, 193, 200, 207\$2.00 25, 27, 32, 35, 112, 113, 121, 133, 135, 143, 183, 188, 191,
192, 204, 205, 206\$4.00 1, 2, 4, 5, 6, 105, 106, 107, 108, 110\$6.00
Journalism—90, 91, 92, 104, 105, 160, 161, 162\$1.00 51, 61, 75, 76, 101, 120, 130, 131, 133, 134, 135, 136, 140, 141,
142, 170, 171, 172, 173, 174, 175 \$2.00 (Maximum fees for any one student \$2.50 a quarter)
Library Science—One or more courses—\$1.50 a quarter.
Lockers—Mines, Chemistry, Engineering, Home Economics and Anatomy Buildings, a year\$.50
Mechanical Engineering—1, 2, 3, 53, 54, 55, 83, 105, 106, 107, 151, 152, 153, 167\$2.00
Metallurgy—103, 163\$5.00
102\$10.00 153, 160\$12.00
101. S. C. 1\$20.00
Mining—S. C. 2, S. C. 3\$3.00 101, 151\$5.00
101, 151\$5.00 152, 176\$10.00
152, 176\$10.00 153, 154, 155\$5.00 or \$10.00 Music—18, 19, 20, 68, 69, 70, 118, 119, 120, 168, 169, 170, as listed
below: Adams, Burch, Ferryman, 1 lesson per week\$15.00
2 16350115 a week \$\phi 0.00
Venino, Van Ogle, Rosen, Tilly, Wood, Kirchner, 1 lessons a week \$22.00 2 lessons a week \$44.00

Glen, 1 lesson a week, \$27.00—2 lessons a week\$54.00
Piano practice room, an hour per day for the quarter \$3.00
Pipe organ, an hour per day for the quarter\$12.50
Painting, Sculpture and Design—5, 6, 7, 9, 10, 11, 53, 54, 55, 103, 104, 157, 158, \$2,00
104, 157, 158\$2.00 56, 57, 58, 72, 73, 74, 107, 108, 109, 160, 161, 162, 163, 164, 165 \$3.00
Pharmacy—15 \$1.00
9, 10, 11, 109, 110\$3.00
7
1, 2, 3, 5, 6, 105, 106, 107\$7.50
113, 114, 115, 121, 122, 123, 129, 130, 131, 201, 202, 203, to be arranged.
Physical Education—Locker and apparatus, a quarter\$.50 Paid by all taking one or more courses except 87, 88, 89 (golf) \$3.00 Women's suits, style and cost to be arranged.
Physics—1, 2, 3, 47, 48, 49, 50, 51, 54, 89, 90, 97, 98, 99, 103, 104, 106, 113, 114, 170, 175, 180\$2.50
Political Science—1\$1.00
Psychology—1 \$2.00
Zoology and Physiology—158\$1.00
1, 2, 3, 4, 7, 10, 11, 101, 102, 105, 106, 107, 108, 155, 156, 157 \$2.50
54, 55, 56 \$3.00
54, 55, 56\$3.00 151, 152, 153\$5.00

Board and Room.—The University dormitories consist of Lewis hall and Clark hall for women and Lander hall and Terry hall for men. During the ensuing year \$32 a month will be charged for room and board at these residence halls. The rooms are furnished with necessary articles of plain furniture, but the student is expected to supply his own bed linen, bedding, towels, and rugs.

An amount equal to the first month's account is paid in advance and left on deposit to be applied on the board and room account for the last month

of the school year.

All remittances should be made in favor of the University of Washington and be addressed to the comptroller of the University of Washington, Seattle.

The University also operates The Commons on the campus where students so desiring may secure the best of food at reasonable rates, cafeteria style.

Outside the campus, board and room may be secured at rates ranging from \$32 to \$38 a month.

University Health Service.—A health service is maintained by the University in conjunction with the Associated Students. Ten per cent of the fees collected by the Student Association, for its special activities, is assigned to the health fund, for the maintenance of an infirmary, containing medical offices for both men and women, nurses' offices and quarters, and 40 beds. The University provides the building, with equipment, a corps of two physicians and two nurses. Medical advice and office treatment are available at all times.

If a student is taken ill and is unable to call at the medical office, he should notify the infirmary clerk and the public health nurse will call upon the patient. The disposition of the case is determined on report of this visit. If the patient is a contagious suspect, or if he is in unsatisfactory quarters, he is taken to the infirmary and cared for free of cost, except for board. If

serious disease developes he is transferred to one of the Seattle hospitals of his choice, and further responsibility of the University health service ceases. In the event of scarlet fever, or smallpox, the patient is sent to Firlands Sanitarium and cared for by the city. A local physician may be called in at any time at the patient's expense.

When absent from classes on account of sickness the student is not readmitted until he secures a card from the health service office. Record is thus kept of all illness and used as a guide for healthful supervision of the

student. (See Rule 22, page 61.)

Student Help.—A considerable number of students who have found it necessary to support themselves, in part or wholly, while at the University, have been enabled to do so by securing occupations of various sorts. There is an employment bureau for men conducted by the Y. M. C. A. to secure work for men who have to make their own expenses, and the dean of men assists in placement. The dean of women renders a similar service for women.

It is necessary, however, to advise caution in entering the University without funds. The University cannot be responsible for finding work for students. During periods of business depression it is especially difficult to secure part time work. It is not advisable for anyone to register unless he has in hand sufficient funds to maintain him for a quarter. This requires a minimum of \$200. Students who expect to earn a portion of their support should not register for a full schedule of studies.

ACADEMIC AND VOCATIONAL GUIDANCE

Dean of Men.—The dean of men is held responsible for the welfare and discipline of the men students of the University. He has supervisory charge of Lander and Terry halls, the men's dormitories; and supplies lists of approved boarding and lodging places for men.

Advice will be given concerning the courses of study and vocational fields. The dean is always ready to aid students in any of their individual

or group problems.

Dean of Women.—The dean of women is always ready to help or advise any woman student who may need assistance. She supplies lists of approved boarding and lodging places, corresponds with parents or guardians who desire to make inquiry concerning their daughters or wards, give advise regarding courses of study, and offer vocational information of a general nature. She acts as counselor to the officers of organizations for women and supervises all student houses of residence.

Vocational Secretary.—The office of vocational secretary assumes the responsibility of all placement work. It is desirable that every student have a conference with the vocational secretary sometime before graduation. The office is also available to undergraduates for the purpose of advisement. The vocational secretary is also the executive secretary of the alumni association of the University. A great mutual service may be rendered by reporting to this office any positions open that would be of interest to University graduates.

DEGREES

It is not the policy of the University to grant honorary degrees.

Rule 9. The work of the senior year (a minimum of 36 credits earned in three quarters) must be done in residence. [H.B.—18].

Rule 10. Each senior, shall, upon registration, file with the registrar a written application for his degree. Each application shall be checked by the Committee on

Graduation at least six months before the date at which the student expects to be graduated and notice shall be sent to the student by the registrar of the acceptance or rejection of his application. The accepted list shall be submitted at the last regular meeting of the faculty for the quarter in which the checking is done and, if approved by the faculty, with or without modification, shall constitute the list of candidates to be recommended for graduation upon the completion of the work requisite for their respective degrees. No change shall be made in this list unless ordered by a

for their respective degrees. No change shall be made in this list unless ordered by a two-thirds vote of the members of the faculty present. [H.B.—37].

Rule 11. All students shall have the option of being held to the entrance and graduation requirements of the catalogue under which they expect to graduate. All responsibility for fulfilling the requirements for graduation from the various schools and colleges of the University shall be thrown upon the student concerned. [H.B.—38].

Rule 12. The degrees of A.B. and A.M., B.S. and M.S., or two different backlor's degrees, may be granted at the same time in all cases in which a minimum of fifteen quarters shall have been occupied in the work for the two degrees. [H.B.—39].

Rule 13. In determining the fitness of a candidate for a degree, bis attitude

fifteen quarters shall have been occupied in the work for the two degrees. [H.B.—39]. Rule 13. In determining the fitness of a candidate for a degree, his attitude towards his financial obligations shall be taken into consideration. [H.B.—40]. Rule 14. Theses shall be typewritten on sheets of ledgerweight paper eight and one half by eleven inches in size, and shall be bound in cloth, with the subject, the name of the author and the date of the presentation on the front cover, and the name and date on the back in gilt letters. A uniform and suitable margin shall be left on the typewritten pages. [H.B.—41].

Degrees with Honors.—A degree with honors may be conferred upon a student who, upon recommendation of the honors committee and upon vote of the faculty is declared worthy of unusual distinction. Early in May each head of a department brings to the attention of the committee on honors such seniors majoring in his department as he thinks may be eligible for honors. A student is not allowed to take honors in more than one subject.

NORMAL DIPLOMAS

The University Normal Diplomas.—The University is authorized by law to issue teachers' diplomas, valid in all public high schools of the state. Candidates for these diplomas should register in the department of education as early as possible after the beginning of the sophomore year, and should consult with the department from time to time as to their work for the diploma and their preparation for teaching. Fuller information may be found in the department of education.

SENIOR SCHOLARS

Rule 15. (a) Students of the Colleges of Liberal Arts, Science, Fine Arts, Business Administration, and of the School of Education and Library School who are intellectually mature, who have 132 or more credits, and who have shown exceptional ability and capacity for independent work in some group of studies, shall be eligible for senior scholarships. Senior scholars shall be elected by the faculty, upon recommendation of the Committee on Honors, in the June preceding their senior year and their election shall be announced at Commencement and published in the catalogue. Ordinarily the number of scholars shall not exceed ten per cent in the catalogue. Ordinarily the number of scholars shall not exceed ten per cent of the class. Students of the above mentioned colleges, who, in the course of their senior year, show fitness therefor may be recommended and elected to senior senior year, scholarships.

(b) The work of the senior scholars shall be in not less than two nor more than four, allied subjects, which shall be so correlated as to bear upon some common field, the aim of the scholarships being breadth of knowledge and culture, rather than minute research. Except in the case of unfinished prescribed work or of courses in which the major professor deems attendance essential. Scholars are to be relieved. from attendance at regular lectures and recitations and their work shall be done under the personal direction of the instructors with whom they are registered. The in-structors in charge shall submit senior scholars at the end of the year to searching final examinations by which the grade of honor, if any, to be recommended to the Committee on Honors, shall be determined.

(c) Senior scholars shall be granted the library privileges accorded to members of the faculty and such monetary awards, if any, as may be available. [H.B.—42].

FELLOWSHIPS, SCHOLARSHIPS, AND AID

Loretta Denny Fellowships.—Three fellowships, of \$500 each, open to graduate students in any department of the University. Awarded by the faculty on the basis of scholastic excellence and general merit, but only to those who need financial assistance. Applications for these fellowships should be made on blanks supplied by the dean of the Graduate School, and must be in his hands on or before March 15 preceding the academic year for which the fellowships are to be granted.

Arthur A. Denny Fellowships.—Six fellowships of \$500 each, open to graduate students in the departments of civil engineering, education, English, history, mining engineering, and pharmacy respectively. Awarded by the departments concerned on the basis of scholastic excellence and general merit, but only to those who need financial assistance. Applicants must be residents of the state of Washington. Applications for these fellowships should be made to the heads of the departments concerned on blanks supplied by the dean of the Graduate School, and must be in their hands on or before March 15 preceding the academic year for which the fellowships are to be granted.

National Reserach Fellowships.—Fellowships in physics and chemistry, offered by the National Research Council, are open to promising research students, who have already taken the doctor's degree or have equivalent qualifications. A successful candidate can pursue his research at any university or research institute chosen by him and which is acceptable to the appointing board. The salary will ordinarily be \$1800 for the first year. Fellows are eligible for successive reappointments ordinarily with increase in salary. For details address the dean of the Graduate School or the heads of the departments.

University Honorary Fellowships.—Three honorary fellowships have been established by the University. These, like the Loretta Denny fellowships, are open to students in any department of the University. They carry no stipend, and are designed to furnish recognition of exceptional scholastic excellence in the case of graduate students who are not eligible for the Loretta Denny or the Arthur A. Denny fellowships, either because they do not need financial assistance or because they are not giving their entire time to their work in the University.

Research Fellowships in Mining and Metallurgy.—The College of Mines of the University in cooperation with the United States Bureau of Mines offers five fellowships in mining and metallurgical research. The fellowships are open to graduates of universities and technical schools who are properly qualified to undertake research work. The value of each fellow is \$720 per year of twelve months. Fellowship holders are required to register as graduate students and to become candidates for the degree of master of science in mining engineering or metallurgy, unless an equivalent degree has previously been earned. Applications are due not later than May 15, and should be addressed to the Dean, College of Mines, University of Washington, Seattle, Washington.

Du Pont Fellowship.—Through its chemical department, Du Pont de Nemours & Co. offer an annual fellowship of \$500 in chemistry, known as the "Du Pont Fellowship," open to a senior student or graduate student in chemistry or chemical engineering.

The Bon Marche Industrial Fellowship.—The Bon Marche of Seattle offers an annual fellowship of \$600 to a graduate student in home economics for research work in textiles. The recipient of this fellowship is required to give one fourth of her time for eleven months to the testing of textiles for the Bon Marche.

The Mars Fellowship.—A research fellowship in astronomy, given by the late Dr. Percival Lowell, of the Lowell Observatory, Flagstaff, Arizona, carrying a stipend of \$600, may be awarded annually.

Columbia University Fellowship.—Columbia University offers each year a fellowship of \$250, open to students in mining, engineering, and chemistry.

University Teaching Fellowships.—The University each year provides a number of teaching fellowships in various departments. The graduate student receiving such a fellowship divides his time equally between his studies and assistance in the teaching work of the department in which he is enrolled. These fellowships range from \$540 to \$720.

Graduate Scholarships.—A number of graduate scholarships are open to students who perform service as laboratory assistants, assistants in charge of quiz sections, or readers. The remuneration is proportioned to the service, and ranges from \$180 to \$360.

Rosenberg Scholarship.—A scholarship of \$200, known as the "Samuel Rosenberg Scholarship, endowed in loving memory by Ella S. Rosenberg, his wife," is open to graduate students in French. In making this award, account will be taken of the scholarship, personality and needs of the candidates.

Isabella Austin Scholarship.—The Isabella Austin scholarship of \$100 for freshman women is awarded annually at the end of the fall quarter to a young woman of promise on the basis of scholarship and financial need.

Washington Alumnae Scholarship.—The Washington Alumnae offer an annual scholarship of \$100 to be awarded to a woman member of the Junior Class on the basis of scholarship, activity in student affairs, personal character and wholesome influence in university life.

Imperial Order of Daughters of British Empire Scholarship.—The Vimy Ridge Chapter of the Imperial Order of the Daughters of the British Empire offers two annual prizes of \$50 each for essays on some phase of history, politics, philosophy or sociology making distinctly for the maintenance and development of good relations between Great Britain and the United States. One of these prizes is open to students in residence during the regular academic year and is awarded at Commencement. The other is open to students in residence during the summer quarter and is awarded at the end of that quarter.

The Gamma Phi Beta Scholarship.—The Seattle Alumnae of Gamma Phi Beta offer an annual scholarship of \$100 to that woman among the English major students who most nearly fulfills the following conditions: partial or complete financial self-dependence, high scholarship, strength of personality, wholesomeness of influence and promise.

The Frederick and Nelson Scholarships.—Frederick and Nelson of Seattle offers two scholarships, one to a boy and one to a girl, each of which carries \$250 a year for the freshman and sophomore years. These scholarships are awarded on the basis of scholarship, personality, and business acumen.

The Beta Gamma Sigma Scholarship.—Beta Gamma Sigma offers a scholarship of \$75 in the College of Business Administration, to be awarded to the self-supporting student with the highest grades at the end of the fifth quarter.

The A. F. Venind Scholarship.—Professor A. F. Venino offers an annual scholarship to the candidate showing the greatest proficiency and prom-

ise in piano playing. This scholarship carries free tuition for one weekly lesson throughout the autumn, winter and spring quarters. All candidates must submit their application in writing to Dean Glen before September 1. The competitive examination preliminary to the award is held in room 110, Meany hall, at 2 p. m. of the Saturday before registration day.

Chemistry Scholarship.—An annonymous donor offers a scholarship of \$100 annually to the student doing the best work in chemistry.

PRIZES

The Judge Alfred Battle Prize in Public Speaking and Debate.—Judge Alfred Battle offers an annual cash prize of \$75 to the Washington debating team chosen to meet representative debaters from the University of Oregon.

The Seattle Bar Association Prize.—Each alternate year, beginning with the spring of 1908, the Seattle Bar Association gives the sum of \$50 to defray the expenses of a debate between the representatives of the law schools of Oregon and Washington.

The Judge Kenneth Mackintosh Prize in Debate.—Judge Kenneth Mackintosh offers an annual prize of \$75 to the University of Washington debating team, consisting of two men, who compete with Leland Stanford Junior University in debate.

The E. F. Blaine Prize in Oratory.—Mr. E. F. Blaine offers an annual cash prize of \$100 to the winner in an intercollegiate oratorical contest of the universities of the northwest.

Fraternal Order of Eagles Prize.—Seattle Aerie No. 1 of the Fraternal Order of Eagles offers an annual prize of \$100 for the best essay or oration by a student of the University of Washington. The subject for this year is "Liberty".

Philo Sherman Bennett Prize.—The Philo Sherman Bennett prize of \$24 annually is "for the best essay discussing the principles of free government."

The Jaggard Prize.—In memory of the Hon. Edwin A. Jaggard, late justice of the supreme court of Minnesota, Miss Anna Wright Jaggard offers an annual cash prize of \$50 for the best essay on a topic connected with courses in history of law or jurisprudence.

The Burke China Club Prize.—The Burke China Club Prize of \$25 is awarded annually for the best essay on some subject related to the Chinese Literature, History or Language. Competitors are restricted to those who have had at least one term's work in Chinese Literature, History or Language.

The Sigma Delta Chi Prize.—The Sigma Delta Chi fraternity offers a prize of \$100 to be awarded to the student who writes the best ten editorials published in The University of Washington Daily during the current year.

The Charles H. Bebb Prize in Architecture.—Mr. Charles H. Bebb offers an annual cash prize of \$100 for the best design in some problem of architecture.

The Kellogg Prize in Architecture.—The William W. Kellogg Prize of \$50 is awarded annually for competitive work in architecture and design and is open to juniors and seniors.

The Washington Brick and Lime Company Prize.—The Washington Brick and Lime Company of Spokane offers a prize of \$50 in the department

of architecture to the sophomore, junior or senior student who submits the best design in terra cotta treatment.

The Judge Thomas Burke Prizes in French.—Judge Thomas Burke offers two cash prizes, one of \$15 and one of \$25, for general excellence in French.

The Frank Buty Prize.—The Frank Buty Prize of \$20 is offered annually for the best essay on some subject related to the Italian Language and Literature.

The Silvio Risegari Prize.—The Silvio Risegari Prize of \$50 is offered annually to the student in the College of Fine Arts who, at the end of the freshman year, shall have given evidence of superior scholarship in Italian.

The Italian Commercial Club Prize.—The Italian Commercial Club of Seattle offers a first prize of \$75 and a second prize of \$50 to the two students in the University who attain distinction in second-year Italian.

The A. Merlino Prize.—The A. Merlino Prize of \$25 is offered annually to the student in the College of Science who writes the best essay on "An Italian Scientific Advancement During the Year."

Cattenari Brothers' Prize.—Cattenari Brothers offer an annual prize of \$25 to the student in first-or second-year Italian who has made the greatest progress during the year.

The N. Paolella Medal.—Mr. N. Paolella, of Seattle, offers a gold medal each year, beginning with 1913, for a period of ten years, to the student doing the best work in Italian.

Military Science Prize.—The members of the Non-commissioned Officers Training School have established a fund of \$400, the income of which shall be utilized as a prize to be awarded to the student completing his junior year with the highest honors in military science.

STUDENT LOAN FUNDS

Several loan funds are available to assist students, both men and women, through financial emergencies. See the dean of men or the dean of women as the case may be for full information.

ASSOCIATIONS AND CLUBS

Alumni Association.—Every graduate of the University of Washington is a member of the Alumni Association. The records are kept by the permanent executive secretary, Mr. J. G. Fletcher, who is also the vocational secretary of the University. The control of the Alumni Association is determined by the alumni council which meets annually and consists of a representative from each local organization. It lays down the policies and these are carried out by the executive committee. The executive committee consists of five members elected by the council, one representative respectively of the Board of Regents, the faculty, and the associated students and the officers of the association who are elected annually. The annual dues are \$3. All alumni who pay their dues also receive the Alumnus, the official publication.

Associated Students.—The Associated Students of the University of Washington (A.S.U.W.) is the central organization which conducts the activities of the student body. Membership is required of all regularly enrolled students and the annual fee is \$10. (\$1 for summer term.)

This fee shall give to each student a qualification for membership in this corporation, and shall give to each member free subscription to the University of Washington Daily and free or reduced admission to such football, basketball, baseball games, tennis, track and wrestling meets, crew regattas, debates, oratorical contests, musical concerts as may be designated

by the Board of Control.

The management of the Associated Students is vested in an annually elected Board of Control, composed of fifteen members including nine students, three faculty and three alumni. The Board meets bi-weekly and has all the usual powers granted the directorate of any corporation. The Board employs a graduate manager as its executive agent. He is assisted by student managers and in 1921-1922 the business transacted amounted to \$165,000, besides the stadium. The office of the graduate manager is in room 109 Commerce hall.

The Board also employs a manager of the A.S.U.W. bookstore and in

1921 the sales amounted to \$160,000.

Christian Associations.—The Young Men's Christian Association is open to all men students and members of the faculty. The Association distributes the "W" book or student hand-book to men students. It is a service organization and will assist all the men of the University in finding homes, part-time employment, church affiliation and all other service needs, if desired.

The proposed new building will be located at the entrance to the campus

on east forty-second street.

The Young Women's Christian Association on the campus has a membership of 800 women and maintains an active organization with headquarters at 210 Denny hall.

The purpose of the organization is to create and promote a spirit of Christian friendliness among the women students; to afford opportunities for the development of Christian leadership through cabinet and committee work; and to offer channels for self-expression through various forms of service work, both on and off the campus.

A full time general secretary is employed and her services are at the

disposal of every University woman.

Department Clubs.—The following clubs are connected with the work of different University departments: American Chemical Society, American Institute of Electrical Engineers, American Society of Mechanical Engineers, Business Administration Council, Chemical Club, Classical Club, Deutscher Verein, Education Club, English Club, Engineers Council, Fisheries Club, French Club, Forestry Club, Graduate Club, Home Economics Club, Law Association, Maritime Commerce Club, Mathematical Journal and Research. Mines Society, Officers Club, Pharmacy Club, Philological Club, Political Science Club, Physical Education Club, Pre-Medic Club, Scandinavian Club, Spanish Club, Women's Athletic Association, Zoology Club.

Religious and Social: Canadian Co-ed Club, Chinese Club, Christian Science Society, Cosmopolitan Club, Daughters of the American Revolution, Filipino Club, Girls Rifle Club, Japanese Club, Kla-How-Yah, Marilla Hutchins Club, Mountaineers' Club, Newman Club, Menorah Society, Patrons' Association, Service Club of Washington, Thalian Dramatic Association, Tillicums, Town Girls Club, Y.M.C.A., Varsity Boat Club, Women's Ex-Service Club, Women's League, Y.W.C.A.

Debating Societies .- There are four debating and literary societies in the University: Stevens, Badger, Athena and Sacajawea. The first two are for men, the last two for women. Membership in the clubs is limited in order that frequent practice may be afforded.

The Pacific Coast Triangular Debating League, consisting of the Universities of Washington, Oregon, and Stanford, holds an annual triangular debate. Each institution has two teams, representing the affirmative and negative of the question under discussion.

The men of the University also have dual debate leagues with Whitman

College and British Columbia University.

The women of the University have similar dual leagues with the University of Oregon and Whitman College.

Musical Organizations.—The musical organizations consist of the University Choral Society, Men's Glee Club, Women's Ensemble, Orchestra and Band.

Philological Association.—The Philological Association was organized to encourage scientific investigation in languages and literature. Membership is open to all members of the University who are interested in philology.

Honor 'Societies.—The following honor societies have been established at the University: Alpha Kappa Psi—Commerce, Association University Players—Dramatics, Beta Gamma Sigma—B.A., Big "W" Club, Calva et Ossa—Pharmacy, Delta Phi—Debate (Women), Eta Sigma Phi—Home Economics (Local), Fir Tree—(Senior Men), Hammer and Coffin—Comic Publication), Iota Sigma—Chemistry (Women), Iota Tau Alpha—Dramatics (Men), Kappa Psi—Pharmacy (Men), Knights of the Hook, Lambda Rho—Art (Women), Mu Phi Epsilon—Music (Women), Oval Club—(Junior and senior men) Pan Xenia—Foreign Trade, Phi Alpha Delta—Law, Phi Beta Kappa—Scholarship, Phi Delta Delta—Law (Women), Phi Delta Kappa—Education (Men), Phi Delta Phi—Law (Men), Phi Sigma Chi—Commerce (,omen), Pi Mu Alpha—Music (Men), Phi Sigma Chi—Commerce (,omen), Pi Lambda Theta—Education (Women), Pi Mu Chi—Pre-Medic, Red Domino—Dramatics (Women), Scabbard and Blade—Military, Sigma Delta Chi—Journalism (Men), Sigma Epsilon—Pre-Medic (Women), Sigma Upsilon—Literary Fraternity (Men), Sigma Xi—Scientific, Tau Beta Pi—Engineering, Tau Kappa Alpha—Debate (Men), Theta Sigma Phi—Journalism (Women), Tolo Club—(Junior and Senior Women), Atellier—Architecture, Xi Sigma Pi—Forestry (Men).

Washington University State Historical Society.—The Washington University State Historical Society has for its purpose the preserving of the historical documents and records of the Northwest and of the state of Washington, and to preserve or publish the results of all investigations.

GENERAL SCHOLASTIC REGULATIONS

STUDIES

At the beginning of each quarter, the student arranges his schedule of studies with the advice and assistance of his class officer. A regular course consists of fifteen or sixteen hours of recitations per week.

Rule 16. No person may regularly attend any course in which he has not been registered as a student or enrolled as an auditor. [H.B.-28]

All women students are required to take three hours of gymnasium work per week throughout the first and second years, ten credits in physical training being required of women for a degree.

A course of two years in military training is required. All able-bodied male students except those from foreign countries, not intending to become naturalized, must take the course which by regulation of the University is required during the first and second years.

Neither the requirement of physical education for women, nor that of military science for men applies to any student entering as a junior or senior, providing the student has fulfilled the requirements in these subjects laid down by the institution from which he comes. The deans, together with the physical director, or commandant, as the case may be, have authority to allow a student to substitute the proper corresponding amount of scholastic work for gymnasium or military science when it seems advisable. Substitutions to be valid must be signed by the dean concerned and the physical director or commandant, and must be filed in the registrar's office.

Rule 17. It shall be the duty of every student of whom military science or physical training is required to see that he is properly registered for the course, and to report for instruction. The fact that a student was not formally registered does not excuse him from attending. Students who are required to take military science or physical training, but fall to report for work, will, with the approval of the president, be excluded from all classes. The responsibility of complying with the regulations regarding military science and physical training rests entirely with the student. [H. B.-44]

Rule 18 (a) Men who are to be at the University for only one year, preparing for entrance into some other institution, e. g., a medical school, may be permitted to postpone the course, with the understanding that if they register in the University in succeeding years, they shall be required to take the full course.

Men who, because of physical condition, age, civil status, or pecuniary circumstances necessitating outside work, should not, in the judgment of their dean, be required to take the work in military science, may be permitted by the commandant of cadets to substitute physical training or scholastic work therefor. [H. B.—45]

Rule 19. Each request for permission to postpone, or substitute for the regular course in the department of military science and tactics, shall be acted upon by the commandant of cadets, on the recommendation of the dean concerned. Each grant of permission must be filed in the registrar's office. [H.B.—46].

Rule 20. Only short course students in mining and forestry shall be exempt from the requirements in military science and physical training. [H.B.-47]

Rule. 21 The dean concerned and the physical director together may grant permission to a student to postpone, or substitute scholastic work for the required work in physical training. The grant of permission must be filed in the registrar's office. [H. B.-48]

REGULATIONS FOR WITHDRAWAL

Withdrawal is the voluntary severance by a student of his connection with a course or with the University and is indicated on the registrar's books by a "W". During the first four weeks of a quarter, a student may withdraw from a course and be given a "W" with the written consent of his dean and his instructor. If he desires to withdraw at a later period, he may do so, but if his work has not been satisfactory he shall be given an "E" instead of a "W"; provided, however, that, if in either case, a withdrawal will reduce the student's hours below 12, it must be approved by his dean. A student who drops a course without withdrawing shall be given an "E" in the course.

LEAVE OF ABSENCE

A leave of absence from the University, involving excuses from classes, may be granted by the dean concerned except as hereinafter provided.

(a) Leaves of absence on account of sickness shall be granted by the University health service, and shall be taken personally to the instructors concerned. Students absent on account of sickness shall not be re-admittel to classes without this written excuse. The University health service shall file a copy of these leaves of absence with the dean of men or the dean of women respectively.

(b) Leaves of absence from one class period with the exception of cases included

in rule 22 (a) may be granted by instructors.

(c) Leave of absence from the University for recognized student activities (athletics, music, debate, etc.) shall be passed on by the dean of men and the dean of women respectively. [H. B.—30]

SCHOLARSHIP STANDING

Rule 23. (a) Any student who, at the end of the fifth week of any quarter, is reported as doing work below passing grade in two or more of his subjects, aggregating more than one-third of his registered hours, shall be warned and placed on probation for the remainder of said quarter.

(b) Any student who, at the end of any quarter, fails in two or more subjects, aggregating more than one-third of his registered hours, shall be dropped. Reinstatement in the following quarter shall be allowed only on permission of the Board of Deans. If such student is reinstated he shall be on probation and shall register

Deans. If such student is reinstated he shall be his registering officer.

(c) To be eligible for reregistration during the academic year 1022-1023 or any succeeding academic year, a student must have made grades of A, B, or C, in two thirds of his hours for the last academic year; provided, that a student eliminated by this rule shall be eligible for reregistration after the interval of one succeeding autumn, winter, or spring quarter. [H.B.—29]

NOTE:—In the administration of these rules military science and physical education shall be on the same basis as so called "academic subjects."

EXAMINATIONS

Rule 24. Examinations shall be held at the close of each quarter in all courses. Instructors desiring to excuse any or all students from examinations in any course shall obtain the approval of the head of the department and the dean of the college concerned. [H.B.—31]

Rule 25. Examinations shall be held in each course at the last scheduled class-hour of the quarter, and also at the next preceeding class-hour, if desired; except in laboratory courses, when the last laboratory period may be used as a substitute or in addition. In case an instructor wishes to give an examination at other than the scheduled time, he must get the permission of the Board of Deans. [H.B.—32].

In certain courses running through two or more quarters the examination on the work of the first quarter is merely qualifying, final credit not being given until the examination for the entire course has been passed.

Under "Departments of Instruction" such courses are indicated by

course-numbers connected by hyphens.

Rule 26. A student desiring to be absent from his scheduled examinations must before leaving college, present to the instructors concerned permission from his dean to be absent. [H.B.-83]

Rule 27. A student, absent from a scheduled examination either by permission of his dean, or through sickness, or other unavoidable cause, may take another examination under the following conditions:

(a) He shall satisfy his dean as to his reasons for absence;(b) He shall pay a fee of \$1 at the comptroller's office and get a receipt

for same;
(c) He shall present this receipt to the registrar, who shall issue a card entitling student to examinations;

(d) He shall present this card to the instructors concerned and take the delayed examination at a time approved by his dean and instructor. No instructor need give more than one special examination in any one subject in any quarter. [H.B.-34]

Rule 28. Reports of all examinations of seniors must be in the registrar's office by 6 p.m. of the Monday preceeding commencement day. Examinaton for all candidates for graduation at the end of the autumn, winter, and summer quarters shall conform to the regular examination schedule. [H.B.—72].

CREDITS

Credits are the units in which quantity of work at the University of Washington is measured. Thus, a quarter course in which there are five weekly recitations is a five-credit course, and 190 credits are required for graduation from the College of Liberal Arts and College of Science.

SYSTEM OF GRADES

1.	The	following	is	the	system	of	grades	:
----	-----	-----------	----	-----	--------	----	--------	---

1	 Honor
3	 Intermediate
	 77-11-4
N	 Withdrawn

^{*}These grades correspond approximately to the old marking scheme as follows: A, 100-96; B, 95-86; C, 85-76; D, 75-70; E, 70-0.

An Incomplete is given only in case the student has been in attendance and done satisfactory work to a time within two weeks of the close of the quarter. An Incomplete in a course may be changed to a passing grade during the next quarter in which the student is in residence, provided the work of the course shall have been finished in a satisfactory manner; otherwise it becomes an "E". In special cases removal of an Incomplete may be deferred by the dean of the proper college. Notice of such deferrment must be filed with the registrar before the Incomplete has been changed to an "E".

Candidates for the bachelor's degrees in the colleges of Liberal Arts. Science, Business Administration, Fine Arts, the Library School, the School of Education, and the School of Journalism, must receive grades of A, B, or C in three-fourths of the credits required for their respective degree.

3. The grades of "passed" or "failed" are used in reporting the work of graduate students.

Rule 29. Except in cases of clerical error, no instructor shall be allowed to change a grade which has once been turned in to the registrar. [H.B.-75]

TUTORING RATES

No.	in					0	•	2	ľ	e	n	18	xi:	mt	ım	1	ai	tea	3	to	b	е	ct	a	g	ed	b	y	oí	fi	cia	al	tı	ato	rs	sha				follows hour	:
1	L.						٠.																													\$2	.0	0	per	studer	ıt
:	2																	٠.																		' 1	.2	0	- ,,	"	
:	3		٠.																																	1	.0	Ō	,,	**	
	1.											٠.				٠.														•							.90	Ď	**	**	
	5		٠.																							٠.											.8	D	**	,,	
	3															٠.																					.7	Õ	**	**	
	7-1	5			٠.																										• •					5	.0	0	**	Clas	36
															th													-		•						-		-			
															ıde						en	Œ	B.																		
		1	e	e8	t	0	b	e	p	ay	a	bl	9	by	t	he	• 1	me	on	th	١,	in		ıd	78	no	e.	. 1	Œ	[.]	В		68].							

LIBRARY RULES

Rule 31. Following shall be regulations governing the use of the library.

(a) Any student may borrow books from the library for a period of two weeks; provided, however, that any book may be called in at any time.

A loan may be renewed on or before the day the loan expires if there is no other demand for the book.

(c) A fine of 3 cents per day is imposed for each day a book is retained after it is due; provided, however, that if a book is retained five days or more after it is due the borrower may be assessed double the accumulated fine. The date a book is due is stamped inside the back cover.

que is stamped inside the back cover.

(d) Any reserved book may be borrowed for any period when the library is to be closed, but failure to return the same within ten minutes after the library next opens will subject the borrower to a fine of ten cents for the first hour or any part of that hour and five cents for each additional hour or fraction thereof that the book is retained. All fines are due when the book is returned.

(e) Books must not be taken from the library without being charged at the long desk.

loan desk.

(t) Failure to comply with (c), (d) or (e) shall be considered "a delinquency in a financial obligation". [H.B.—71].

BOARD OF DISCIPLINE

Rule 32. All charges of infraction of the rules and regulations of the University shall be referred to the board of discipline, consisting of the dean of faculties, the dean of women and the dean of men, for investigation and final adjudication; provided, however, that charges of scholastic dishonesty involving women shall first be investigated by the women student members of the board of control and their findings reported to said board of discipline, and that charges of scholastic dishonesty involving men shall first be investigated by the male student members of the board of control and their findings reported to said board of discipline. The student investigating committees mentioned in the latter part of this rule shall be

known as the discipline committees of the board of control.

Rule 33. The comptroller and the registrar are instructed not to record the credits of a student who, in their joint judgment, has been delinquent in meeting his financial obligations, a student whose credits have thus been withheld, is in the same situation as one who has failed. [H.B.-16].

or Forestry

STUDENT PUBLICATIONS

Rule 34. Only those publications may make use of the good will of the University in soliciting advertising who shall be so designated by the committee on publications. [H.B.-63].

Rule 35. All requests for permission to issue student publications shall be referred to the committee on publications, with power to act. [H.B.-64].

Rule 36. The editor of the University of Washington Daily and the editors of all other student publications shall be held responsible for all matter that appears in their respective publications. Correspondents of all other publications shall be held their respective publications. Correspondents of all other publications shall be held similarly responsible for all items contributed by them to their respective publications [H.B.-65].

Rule 37. No special editions of The Daily, by special sets of editors, shall be allowed. [H.B.—66].

STUDENT ACTIVITIES

Rule 38. Student activities shall include:

(a) Any sport or pursuit for which an A.S.U.W. emblem is granted.

(b) Any sport or pursuit organized under an A.S.U.W. coach or a member of the faculty in preparation for (a).

(c) Any semi-scholastic pursuit for which credit is given.

(d) Any all-university public performance managed by students. Rule 39. In order to be eligible to represent the University in any intercollegiate activity, a student must:

Have presented for entrance 15 Carnegie units, have been in residence for at least three quarters and have completed satisfactorily at last 36 hours of scholastic work; provided, that the requirement of three quarters in residence shall not apply to activities open to freshmen under Pacific Coast Conference Rules.

(b) Have successfully carried two-thirds of the normal work of the curriculum in which enrolled during the previous quarter and also be carrying satisfactorily two-thirds of the normal work of the curriculum in which enrolled during the quarter in which it is desired to participate. Previous quarter shall be considered as the last quarter preceding such participation in which the student was carrying at least two-thirds normal work of the curriculum in which enrolled. For the purpose of this rule, a student shall be considered to have been in residence for a quarter if he attended the University for two months of the quarter.

(c) Keep off probation.
(d) If the contest requires his absence from classes, secure a written leave of

absence, as provided in Rule 22 (c);

(e) Further, in the case of athletic activities, pass any physical tests set by the department of physical education and practice at least a month before a meet or game.

(f) In group (e) under the definition of student activities, a student shall satisfy the department responsible for the work, before he is allowed to represent the University.

(g) In group (d) under the definition of student activities, a student shall satisfy the university committee on student welfare, before he is allowed to represent the University. [H.B.—51].

Rule 40. An "Incomplete" shall have the same value as an "E" in determin-

ing the eligibility of a student to represent the University in student activities. [H.B.—52].

[H.B.—52].

Rule 41. Any member of a squad found eligible one week before the first conference contest in a given sport shall be declared eligible, scholastically, for the remainder of the senson, unless scholarship reports would (see Scholarship Standing page 33) drop him from the roll of the University; provided, that in cases of moral delinquency, no previous notice shall be required to disquality a student from representing the University in any intercollegiate student activity. [H.B.—53].

Rule 42. No student shall be eligible to represent the University, who has total failures earned on his previous record exceeding one-fifth of his total hours earned. [H.B.—54]

Nor—16 a student has been two quarters in residence, has 20 quarter credits

NOTE—If a student has been two quarters in residence, has 20 quarter credits and has been for at least one quarter in Allied Service, he shall be considered eligible for the first quarter after his return to college, to participate in intercollegiate

No person not an officer or student of the University shall be allowed

Rule 43. No person not an officer or student of the University shall be allowed to represent it in any student activity. [H.B.—55].

Rule 44. No student shall take part in more than one dramatic performance during a quarter. This rule does not apply to dramatic performances which are entirely a part of a regular course for credit. [H.B.—56].

Rule 45. The qualifications of students for debate, oratory and important parts of musical and dramatic entertainments shall be passed upon at least four weeks before the date of the contest or entertainment; except that, on the recommendation of the instructor in charge, less time may be permitted to intervene between the

selection of participants and the date of the contest or entertainment. [H.B.-57]. Rule 46. The rules governing eligibility of participants in student activities shall apply to the editors-in-chief and business managers of The Daily and Tho Tyee, except that after these officers have been once approved, said rules shall not apply to their cases. [H.B.—58].

Bule 47. Students on probation are not allowed to take part in practice games

Rule 47. Students on probation are not allowed to take part in practice games in athletics with outside teams. [H.B.—50].

Rule 48. Athletics for women shall be limited to games and contests within the University. Such games and contests shall not be open to the public. [H.B.—60].

MISCELLANEOUS

Rule 49. Smoking shall not be allowed in the University recitation or labora-

Rule 49. Smcking shall not be allowed in the University recitation or laboratory buildings or on the steps thereof. [H.B.—67].

Rule 50. Push-ball contests, tie-ups, and all other forms of class conflicts are prohibited. Any forms of hazing, or of interference by any class or any members of any class with the personal dignity and liberty of any member of any class, are a breach of discipline and are prohibited. [H.B.—70].

Rule 51. (a) Student clubs or organizations connected with the work of a department or departments may have speakers to address them at the University; provided the speakers are vouched for by the head of the department concerned. They must also secure the permission of the superintendent of buildings to use the University grounds or buildings.

University grounds or buildings.

(b) Other student groups, clubs, or organizations wishing to have speakers to address them must have the speakers approved, and must secure the permission of

- address them must have the speakers approved, and must secure the permission of the superintendent of buildings for the use of any of the University buildings or any part of the grounds of the University. [H.B.—69].

 Rule 52. There shall be but two University formal social functions in any academic year, viz., the junior prom and the varsity ball; and these shall not be open to freshmen. [H.B.—49].

 Rule 53. (a) During the first four weeks of the first quarter, no fraternity of sorority nor any organization or club whose membership is made up wholly of men or women shall give any social function at which members of the opposite sex are entertained. are entertained.
- (b) During the college year, social functions may be held on Fridays and rdays only. For the purpose of this rule, single holidays shall be considered Saturdays only. integral parts of the college year.

No social functions involving both sexes may be held within the two weeks

preceding the quarter or year examinations.

During the college year, picnics may be held only Saturdays. [H.B.-50].

FRATERNITIES AND SORORITIES

Rule 54. (a) No fraternity or sorority shall pledge any person for membership whose registration in the University is not complete. SEE REGISTRATION.

(b) No student having less than junior standing shall be initiated into a frater-nity or sorority until he or she has earned 18 credits or provisional credits in two quarters, or 15 in one quarter, at this University. Credits or provisional credits for work taken to remove entrance conditions may not be counted.

(c) Any ex-service man entering the University with fifteen entrance units, at least ten academic credits, and a minimum of twelve military credits, shall be re-

garded as eligible for initiation into a fraternity.

(d) Any ex-service man who, in addition to having fifteen entrance units and a minimum of twelve military credits, shall have earned in the University a minimum of ten credits in one quarter, shall be eligible for initiation into a fraternity; provided always that if he is registered for less than fifteen hours, he must have passed in all his hours.

(e) Candidates for initiation into either fraternities or sororities shall secure

from the registrar's office a certificate of eligibility.

(f) Special students destring to be initiated into fraternities or sororities must also be approved by the student affair committee. Unclassified students and others having unremoved entrance conditions may also be referred by the registrar to the student affairs committee for approval. [H.B.—61].

Rule 55. The location of all fraternity and sorority houses must be approved by the president of the University. [H.B.—62].

COLLEGE OF LIBERAL ARTS

THE FACULTY

_
HENEY SUZZALLO, Ph.D. (Columbia), LL.D. (California),
JOHN THOMAS CONDON, LL.M. (Northwestern),DEAN OF FACULTIES
DAVID THOMSON, B.A. (Toronto),
FRED CARLTON AYER, Ph.D. (Chicago),
ALLEN ROGERS BENHAM, Ph.D. (Yale),
FREDERICK ELMER BOLTON, Ph.D. (Clark),
PIERRE JOSEPH FREIN, Ph.D. (Johns Hopkins),Professor of Romanic Languages
JAMES EDWARD GOULD, A.M. (Harvard), Professor of Maritime Commerce and Dean of Men
HERBERT HENRY GOWEN, D.D. (Whitman), Professor of Oriental Languages and Literature
THOMAS KINLER, Ph.D. (George Washington University), Professor of Transportation
HOWARD THOMPSON LEWIS, M.A. (Wisconsin),Professor of Business Administration
EDMOND STEPHEN MEANY, M.L. (Wisconsin),
STEPHEN IVAN MILLES, Jr., A.B. (Stanford), LL.B. (Michigan),
ROBERT EDWARD MORITZ, Ph.D. (Nebraska), Ph.N.D. (Strassburg),
CAROLINE HAVEN OBER,
FREDERICK MORGAN PADELFORD, Ph.D. (Yale),
VERNON LOUIS PARRINGTON, A.B. (Harvard), A.M. (Emporia), Professor of English
OLIVER HUNTINGTON RICHARDSON, Ph.D. (Heidelberg),Professor of European History
EFFIG ISABEL RAITT, M.A. (Columbia),Professor of Home Economics
WILLIAM SAVERY, Ph.D. (Harvard),
J. ALLEN SMITH, Ph.D. (Michigan),
STEVENSON SMITH, Ph.D. (Pennsylvania),
EDWIN JOHN VICKNER, Ph.D. (Minnesota),Professor of Scandinavian Languages
Howard B. Woolston, Ph.D. (Columbia),
ERIC TEMPLE BELL, Ph.D. (Columbia),Professor of Mathematics
EDWARD GODFREY Cox, Ph.D. (Cornell),Associate Professor of English
WILLIAM EDWARD COX, A.M. (Texas),Associate Professor of Business Administration
VANDEVERR CUSTIS, Ph.D. (Harvard),Associate Professor of Economics
ROBERT MAX GARRETT, Ph.D. (Munich),
CHARLES GOGGIO, Ph.D. (Wisconsin),Associate Professor of Romanic Languages
RODERICK DUNCAN MCKENZIE, Ph.D. (Chicago),Associate Professor of Sociology
EDWARD McMahon, A.M. (Wisconsin),
LOREN DOUGLAS MILLIMAN, A.B. (Michigan),
WILLIAM DANIEL MORIARTT, Ph.D. (Michigan),
Associate Professor of Business Administration
OTTO PATZER, Ph.D. (Wisconsin),
HOWARD HALL PRESTON, Ph.D. (Iowa), Associate Professor of Business Administration
THOMAS KAY SIDEY, Ph.D. (Chicago),
HARBY EDWIN SMITH, Ph.D. (Cornell), Associate Professor of Business Administration

GEORGE WALLACE UMPRRET, Ph.D. (Harvard), Associate Professor of Romanic Languages
ROY M. WINGER, Ph.D. (Johns Hopkins),
SERENO BURTON CLARK, Ph.D. (Harvard),Assistant Professor of Latin and Greek
GRACE GOLDENA DENNY, A.M. (Columbia),Assistant Professor of Home Economics
HARVEY BRUCE DENSMORE, A.B. (Oxford),Assistant Professor of Greek
LOUIS PETER DEVERES, Ph.D. (Wisconsin), Assistant Professor of Romanic Languages
CURT JOHN DUCASSE, Ph.D. (Harvard),
ERNEST OTTO ECKELMAN, Ph.D. (Heidelberg),Assistant Professor of German
GEORGE IRVING GAVETT, B.S. (Michigan),Assistant Professor of Mathematics
EDWIN RAY GUTHRIE, Ph.D. (Pennsylvania),Assistant Professor of Psychology
JOSEPH BARLOW HARRISON, A.B. (Oxford),Assistant Professor of English
RUDOLPH HERBERT ERNST, Ph.D. (Harvard),Assistant Professor of English
CHARLES LOUIS HELMLINGE, A.M. (Washington), Assistant Professor of Romanic Languages
HARLAN CAMERON HINES, Ph.D. (Iowa),
MARTHA KOEHNE, A.M. (Ohio State),
JAKOB A. O. LABSON, A.M. (Oxford),Assistant Professor of History
HENRY L. LUCAS, Ph.D. (Michigan),
THERESA SOHMID McMahon, Ph.D. (Wisconsin),Assistant Professor of Economics
LEWIS I. NEIKIEK, Ph.D. (Pennsylvania),Assistant Professor of Mathematics
VIRGINIA C. PATTY,
MAOY MILLHOED SKINNER, Ph.D. (Harvard), Assistant Professor of Business Administration
LESLIE SPIER, Ph.D. (Columbia),
PAUL WASHINGTON TERRY, Ph.D. (Chicago),Assistant Professor of Education
CURTIS TALMADGE WILLIAMS, Ph.D. (Clark),Assistant Professor of Education
GERTRUDE BROWNING, M.A. (Columbia),
CLYDE MYBON CRAMLET, M.S. (Washington),
EBBA DAHLIN, A.B. (Washington),
ALICE ERNST, A.M. (Washington),
RAYMOND FORBEST FARWELL, A.B. (California), Associate in Business Administration
VIOTOR JOHN FARRAR, A.M. (Wisconsin),
WINNIFEED S. HAGGETT, A.M. (Michigan),
RACHEL HAMILTON, B. Lit. (Whitman),
WILLIAM B. HENDERSON, L.L.M. (Georgetown),Lecturer in Business Administration
ARTHUE R. JEEEERT, B.S. (Washington),Associate in Mathematics
Pamelia Jones, M.A. (Iowa State Univ.)
SYLVIA FINLAY KERRIGAN, A.B. (Washington),
OLIVE McCabe, B.A. (Wellesley),
JAMES M. MCCONAHET, L.L.B. (Northwestern),Lecturer on Business Administration
VIVIAN McGill, A.B. (Washington),
HORACE D. McGire, B.B.A. (Washington),Associate in Business Administration
JEANNE MERCIEE, B.S. (Whitman),
HERMANGE MULLEMEISTEE, Ph.D. (Utrecht),
ALEXANDER C. ROBERTS, A.M. (Washington),
JAMES P. ROBERTSON, C.P.ALecturer in Accounting
ELLA M. Sickels, A.M. (Washington),
MILDRED STRUDLE, A.M. (Washington),
BERTHA ALMER VIORNER, A.M. (Washington),
FRANK C. VAN DE WALKER, A.B. (Whitworth), Associate in Business Administration

ELEMABETH WRIGHT, A.B. (Mount Holyoke),
EARL D. WEST, A.M. (Adrian),
RALPH MASON BLAKE, Ph.D. (Harvard),
GENO VINCENT MEDICI DE SOLENNI, A.M. (Ohio State University),
OSCAR ELDRINGE DRAPER, M. Accts. (Vories),Instructor in Business Administration
MARTHA ESTELLA DEESSLAR, M.S. (Columbia)Instructor in Home Economics
JOHN GERALD DRISCOLL, LL.B. (Stanford Business College)Instructor in Accounting
WILLIAM W. Eddy, A.M. (Harvard),
HOMER EWART GREGORY, M.A. (Chicago),Instructor in Business Administration
FRANK HARTMOND HAMAOK, LL.B. (Georgetown),Instructor in Business Administration
MILLETT HENSHAW, A.B. (Stanford),
FRANK LAURE, A.M. (Washington),
Karl Elias Leib, B.A. (Stanford),Instructor in Business Administration
RUTH M. LUSBY, A.M. (Columbia),
WILLIAM RUSSELL, Acting Instructor in Business Administration
LLOYD L. SMAIL, Ph.D. (Columbia),
Hener W. Stager, Ph.D. (Calif.),
Von Valjean Tarbill, M.B.A. (Harvard),Instructor in Business Administration
JOSEPH M. TAYLOB, M.S. (Adrian),Acting Instructor in Mathematics
WALTER BELL WHITTLESEY, A.M. (Washington),
WILLIAM R. WILSON, M.S. (Washington),Instructor in Psychology
CONSTANCE BURNHAM, B.A. (Wellesley),
HELEN HADLEY, B.A. (Smith), Assistant in English
BETH McCausland, A.B. (Washington),
IRVING MACKEY GLEN, A.M. (Oregon),
WILLIAM PIEROD GORSUGE, A.B. (Knox),
DAVID CONNOLLY HALL, M.D. (Chicago), University Health Officer and Professor of Hygiene
TEBVOE KINGAID, A.M. (Washington),
FREDERICK ARTHUR OSBORN, Ph.D. (Michigan),
GEORGE BURTON RIGG, Ph.D. (Chicago),Associate Professor of Botany
JAMES GEORGE ARBUTHNOT, B.S. (Kansas State College),
MARY EMMA GROSS, A.M. (Columbia),Director of Physical Education for Women
FRED HARVEY HEATH, Ph.D. (Yale),Assistant Professor of Chemistry
EDWIN JAMES SAUNDERS, A.M. (Harvard),Assistant Professor of Geology

GENERAL STATEMENT

The College of Liberal Arts provides instruction in languages, education, economics and business administration, history, mathematics, philosophy, political science, psychology, and sociology. Together with the College of Science, it affords the student an opportunity to acquire a general education which shall serve as a sure foundation for real success in whatever profession he may choose. In the College of Liberal Arts the junior certificate plan is in operation, through which the work of the high school is closely articulated with that of the college. In order to obtain the degree of bachelor of arts, it is necessary for the student first to obtain his junior certificate. This represents the satisfactory completion of the work of the first two years in college, and leads, aften two more years of work, to the degree. The details of the plan are set forth below.

It is highly desirable that students entering the College of Liberal Arts from another institution should obtain from the registrar, as soon as possible, a statement of what they must do in order to be granted the junior certificate and later, their bachelor's degree. Otherwise, by failing to fulfill the requirements, they will find their graduation postponed for a quarter or more, despite the fact that they may have earned credits sufficient in number to entitle them to the degree.

REQUIREMENTS FOR ADMISSION

Correspondence.—Credentials and all correspondence relating to admission to any college or school of the University should be addressed to the Registrar, University of Washington. Full information concerning admission, registration, and expenses may be found on pages 40, 48, 49.

Freshman Standing.—Freshman standing in the University is granted to any recommended graduate of a four-year accredited secondary school who meets the scholarship requirements outlined on page 41.

Grouping of Subjects in Preparation for Admission.—In addition to the three units of English and two units of mathematics required of all students for admission to the University, and the two units in a foreign language required for Liberal Arts, the student expecting to enter this college is advised to take as many as possible of the subjects specified on a succeeding page among "Requirements of the Lower Division," under group 2, "Subjects Required Either in High School or College." He should also note paragraph 4 on the same page entitled, "subjects Conditionally Required in College." A careful observance of these paragraphs will furnish a more complete preparation for college work, and will give the student correspondingly greater freedom of election in college.

Admission of Normal School Graduates to Advanced Standing.—Graduates of the normal schools of this state and of institutions of like standing elsewhere, who have completed at least two full years of normal school work after graduating from a four-year accredited high school, will be admitted to junior standing in the College of Liberal Arts. For graduation with the degree of bachelor of arts, these students are required to earn a minimum of 90 credits in the University, including the satisfaction of such of the requirements for the degree of bachelor of arts as have not been fairly covered by previous work. Claims for advanced university credit based on excess normal credit will be passed on by a committee consisting of the registrar, the dean of the college and the heads of the departments concerned.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

To secure the degree of bachelor of arts (A.B.) the student must complete not less than a total of 190 credits and must observe the restrictions in regard to major and group requirements, scholarship requirements, and the requirements of the lower division and upper division.

I. MAJOR AND GROUP REQUIREMENTS

(a) From 36 to 60 credits must be in a single department known as the major department (except that with a major in English, 10 credits in English 1-2 may be counted in addition to 60 credits in other English courses).

(b) The number of credits taken in the major and any other single department combined must not exceed a total of 96 (except that when English is combined with the major department for the purpose of this total, credits

in English 1-2 may be disregarded).

- (c) Not less than 72 credits must be in the group in which the major department falls. For this purpose the departments are grouped as follows:
- Group 1. Language and Literature.—Classical languages and literature, English, German, Oriental literature, Romanic languages and literature, Russian, Scandinavian.
- Group 2. Philosophical.—Economics and business administration, education, history, mathematics, philosophy, political science, psychology, sociology.

The group requirement of 72 credits does not apply to majors in home economics.

II. SCHOLARSHIP REQUIREMENTS in this Univ.

Not less than three-fourths of the credits required for graduation must be earned with grades of A, B, or C.

III. REQUIREMENTS OF THE LOWER DIVISION

The work of the lower division comprises the studies of the freshman and sophomore years of the undergraduates curriculum and leads to the junior certificate. This work consists primarily of the elementary or introductory courses of the various departments.* Its aim is to supplement the work of the high school, to contribute to a broad general training in preparation for the advanced work of the upper division.

To receive the junior certificate the student must have earned not less than 90 college credits (together with required credits in military science or physical education), and must have completed, in high school and college

 $^{{}^{\}bullet}\text{Norm.}$ —The following (or their equivalents) constitute the courses of the Lower Division:

^{1.} Modern Foreign Language: The first two years.

^{2.} Ancient Language: Intermediate Latin; the first two years of college work; course in civilization and literature.

^{3.} English: Composition; freshman and sophomore literature.

^{4.} Mathematics and the Natural Sciences: The elementary courses (1 and 2) or equivalents.

^{5.} History: The introductory courses in each line, e. g., medieval and modern (1-2), American (57-58), English (5 and 6), ancient (71-72-73).

Philosophy and Psychology: Elementary or introductory course in each line, e. g., general psychology, introduction to philosophy, ethics, logic.

 $^{{\}bf 7.}$ Political and Social Science: Introducing courses in economics, government, sociology.

on late

COLLEGE OF LIBERAL ARTS

together, the amount of work specified in the subjects mentioned below. In addition thereto, he must have satisfied the qualitative test prescribed in English composition. The object of these requirements is to secure for the student a knowledge of a wide range of subjects, to distribute his knowledge over the fundamental fields. To this end the high school and college are viewed as essentially a unit.

The required subjects are grouped as follows:

- 1. Subjects Required in High School.
 - (a) English, 3 years (3 units). In addition to the completion of this amount of work in English, the student must show by a test examination proficiency in English composition, or he must take English composition in the University, as provided under requirement (n) below.
 - (b) Elementary algebra, 1 year (1 unit).

(c) Plane geometry, 1 year (1 unit). Subjects (a), (b), and (c) are those required of all students for admission to the University.

- (d) A foreign lanuage, 2 years (2 units or 20 credits). See note 4 and paragraph in Reading Knowledge of a foreign lanuage, page 72.
- 2. Subjects Required Either in High School or College.
 - (e) U. S. history and civics, 2 quarters (1 unit or 9 to 10 credits). See note 1.
 - (f) History, 2 quarters (1 unit or 10 credits). See note 2.
 - (g) Physics or chemistry, 2 quarters (1 unit or 10 credits).
 - (h) Botany, or geology, or zoology, 2 quarters (1 unit or 10 credits).
- 3. Subjects Required in College.
 - (i) Philosophy, 1 quarter (5 credits). 2, 3, 5
 - (j) Psychology, 1 quarter (5 credits). (, \$ (k) Economics, political science, sociology, 2 quarters (10 credits).
 - (1) Physical education or military science, regular freshman and sophomore requirements.
- 4. Subjects Conditionally Required in College.
 - (m) Ancient life and literature, 2 quarters, (10 credits). See note 3.
 - (n) English composition, 2 quarters, (10 credits). See note 5.

NOTES

- 1. Students who do not take United States history and civics in the high school must take History 57-58 in the University.
- 2. One year of history is required in addition to requirement (e). It may be satisfied in any year (1 unit or 9 or 10 credits) of history.
- 3. Two quarters' work in ancient life and literature is required of all students who have not taken, or do not plan to take, 3 or more years of ancient language. For such students courses are offered in the University on the civilization of the ancients and on the literature in translation.
- 4. Two years of one of the following foreign languages is required for admission to the College of Liberal Arts: Latin, Greek, French, Spanish, Scandinavian, Italian. (In special cases other languages may be accepted). If the requirement has not been met in high school, it must be made up in college. This work shall be taken without credit unless the student presents two units in another foreign language.
- 5. English composition is required for the junior certificate except in the case of those persons who show by examination proficiency in that subject. (See University calendar for dates of examination).

Schedule Limitations of the Lower Division.—As a rule students in the lower division must confine their elections to courses designed for such students, viz., courses numbered 1 to 99 in the catalogue. A student, however, who has had the proper prerequisite or who may be deemed in intellectual maturity sufficiently qualified, may, with the consent of the dean and the instructor concerned, register for an upper division course. (In a foreign language a student who has had the proper prerequisite may be enrolled in an upper division course merely with the consent of the class adviser.) Students who are granted this privilege should be careful not to allow it to interfere with the completion of all lower division requirements by the end of the

sophomore year; otherwise, an extra quarter of residence in that division may be necessary in order to secure the junior certificate and graduation may

be correspondingly postponed.

No student in the lower division shall be registered for more than 16 credit hours per quarter (exclusive of military science and physical education) or for less than 12 credit hours per quarter except with the consent of the dean.

IV. REQUIREMENTS OF THE UPPER DIVISION

The upper division comprises the studies of the junior and senior years. It consists principally of the advanced work of the undergraduate curriculum, and is therefore differentiated, both in content and method, from that of the lower division.

To be enrolled in the upper division, the student must have completed all the requirements for the junior certificate. The minimum amount of work to be done in the upper division will vary from 90 to 72 hours of credit, according to the number of hours offered for the junior certificate. The student must earn not less than 72 hours of credit while enrolled in the upper division. At least 48 hours of the credit hours taken in the upper division must be in the upper division courses (Courses 100 to 199). Of the 180 academic credits required for graduation at least 60 must be taken in courses numbered 100 or higher and of these 60, eighteen (not counting teachers' courses) must be taken in the major department.

Schedule Limitations of the Upper Division.—No student in the upper division shall be registered for more than 16 or less than 12 credit hours per quarter, except with the consent of the dean. A maximum of 19 hours per quarter may be granted to students who have made an exceptional record in scholarship in the lower division and who maintain that record in the upper division.

V. READING KNOWLEDGE OF A FOREIGN LANGUAGE

Beginning with the year 1924 a reading knowledge of any one of the foreign languages taught in the University will be required for graduation from Liberal Arts. (This requirement will not apply to graduates from the Six-Year Arts and Law Curriculum.)

SCHEME OF ELECTIVES

For the purpose of election, outside the major department, the College of Liberal Arts, the College of Science, the School of Education, the College of Business Administration and the School of Journalism are treated as one.

The following courses given outside the College of Liberal Arts may be counted toward a bachelor of arts degree. Not more than 24 such credits altogether shall be counted toward this degree except that from the College of Fine Arts 36 credits may be counted.

College of Pharmacy.—Materia medica, therapeutics, toxicology. Total amount allowed, 12 credits.

College of Engineering.—Mechanical drawing, descriptive geometry, surveying, direct currents, alternating currents, engineering problems. Total amount allowed, 18 credits.

College of Mines.—General metallurgy.

College of Fine Arts.—A total number of 36 credits in the College of Fine Arts may be counted toward the bachelor of arts degree.

Be sure to specify what kind of Work shall be taken for AB degree if student has taken more land twork than can count on AB.

COLLEGE OF LIBERAL ARTS 73

College of Forestry.—General forestry, characteristics of trees, forest economics, silviculture. The maximum number of hours elective from these subjects is 18.

School of Law.—Agency, constitutional law, contracts, general business law, equity, persons, property. From these subjects a total of 18 credits may be counted toward the bachelor of arts degree by a student majoring in the philosophical group; a total of nine credits may be so counted by a student majoring in any group.

SIX-YEAR ARTS AND LAW CURRICULUM

This combined course allows the student with a good record to obtain an A.B. and an LL.B. in six years. It is open only to those students who have maintained a uniformly good record for scholarship during the first three years of collegiate work. At the end of three years, after the student has earned 135 credits, plus the ten required credits in military science or physical education and including all of the required work, together with a major, he may for the fourth year register in the School of Law for the first year's work in law. He must, however, earn in the College of Liberal Arts additional credits sufficient to make the total credits amount to 154. Thirty-six credits in the first year law work may apply toward the A.B. degree, thus making 190 credits required for this degree.

The last two years of this combined course are devoted to completing

the rest of the required work in the School of Law.

Students are strongly advised to complete their full 144 (plus 10) credits in the College of Liberal Arts by the end of the third year so that they can enter the law work clear in the fourth year.

Students from other institutions entering this University with advanced standing may take advantage of this combined course, provided they are registered in the College of Liberal Arts for at least one full year of work, and earn at least 45 credits in this University before entering the School of Law.

This privilege will not be extended to normal graduates attempting to graduate in two years, nor to undergraduates of other colleges who enter

this University with the rank of senior.

Courses

For description of courses, see Departments of Instruction, printed elsewhere in this catalogue. (See Index).

An Consession of the Consessio

GENERAL NOTE.—Each student is to be held either for the admission and graduation requirements of the catalogue under which he enters, or for those of the catalogue under which he graduates.

COLLEGE OF SCIENCE

THE FACULTY

The second secon
HENRY SUZZALIO, Ph.D. (Columbia), LL.D. (California)
JOHN THOMAS CONDON, LL.M. (Northwestern)
HENRY LANDES, A.M. (Harvard)
THEODORE CHRISTIAN FREE, Ph.D. (Chicago),
TREVOR KINCAID, A.M. (Washington)Professor of Zoology
FREDERICK ABTHUR OSBORN, Ph.D. (Michigan)
ROBERT EDOUARD MORITZ, Ph.D. (Nebraska), Ph.N.D. (Strassburg), Professor of Mathematics
DAVID CONNOLLY HALL, ScM, M.D. (Chicage), Professor of Hygiene and University Health Officer
HENRY KREITZER BENSON, Ph.D. (Columbia)Professor of Industrial Chemistry
JOHN WEINZIRL, Dr.P.H. (Harvard)
EPPIE ISABEL RAITT, M.A. (Columbia)
STEVENSON SMITH, Ph.D. (Pennsylvania)
WILLIAM MAURICE DEHN, Ph.D. (Illinois)Professor of Organic Chemistry
GEORGE MOPHAIL SMITH, Ph.D. (Freiburg)Professor of Inorganic Chemistry
*CHARLES EDWIN WEAVER, Ph.D. (California)Professor of Geology
ERIC TEMPLE BELL, Ph.D., (Columbia)
ALLEN FULLER CARPENTER, Ph.D. (Chicago)Associate Professor of Mathematics
HENEY LOUIS BRAKEL, Ph.D. (Cornell)Associate Professor of Engineering Physics
GEORGE BURTON RIGG, Ph.D. (Chicago)
JOHN L. WORCESTER, M.D. (Med. School University of Alabama)
ROY MARTIN WINGER, Ph.D. (Johns Hopkins)Associate Professor of Mathematics
HERMAN VANCE TARTAR, Ph.D. (Chicago)Associate Professor of Chemistry
*Edwin James Saunders, A.M. (Harvard)Assistant Professor of Geology
GEORGE Invinc Gavett, B.S. (C.E.) (Michigan)Assistant Professor of Mathematics
ELI VICTOR SMITH, Ph.D. (Northwestern)Assistant Professor of Zoology
GRACE GOLDENA DENNY, M.A. (Columbia)Assistant Professor of Home Economics
JOHN WILLIAM HOTSON, Ph.D .(Harvard)Assistant Professor of Botany
LOUIS IRVING NEIKIRK, Ph.D (Pennsylvania)Assistant Professor of Mathematics
SAMUEL HERBERT ANDERSON, Ph.D (Illinois)Assistant Professor of Physics
EDWIN R. GUTHRIE, Ph.D. (Pennsylvania)Assistant Professor of Psychology
FRED H. HRATH, Ph.D (Yale)
THOMAS GORDON THOMPSON, Ph.D. (Washington)Assistant Professor of Chemistry
GEORGE EDWARD GOODSPEED, JR., B S.M.E. (Massachusetts Institute of Technology)
FLISABETH AMERY, B.S. (Wisconsin)
VIRGINIA CUNNINGHAM PATTY, (Diploma, Ecolo Guerre, Paris)
MARY EMMA GROSS, A.M. (Columbia)Director of Physical Education for Women
JAMES GEORGE ARBUTHNOT, B.S. (Kansas)Assistant Professor of Physical Education

^{*}Absent on leave.

Horace Gunthorp, A.M. (Kansas)Assistant Professor of Zoology
MARTHA KOMHNE, A.M. (Ohlo)Assistant Professor of Home Economics
KATHERINE VAN WINKLE PALMER, B.S. (Washington) Acting Assistant Professor of Geology
WILLARD HENRY ELLER, B.S. (E.E.) (California)Instructor in Physics
LLOYD LUROY SMAIL, Ph.D (ColumbiaInstructor in Mathematics
MARTHA DRESSLAB, M.S. (Columbia)Instructor in Home Economics
WILLIAM RONALD WILSON, A.B. (Washington)Instructor in Psychology
JOSEPH M. TAYLOR, M.S. (Adrian College)
SARGENT G. POWELL, Ph.D. (Illinois)
LOU EASTWOOD ANDERSONActing Instructor in Physical Education
FREDERICK ANSTEN MOMILLIN, M.S. (Willamette)Acting Instructor in Chemistry
HENRY WALTER STAGER, Ph.D. (California)
CLINTON LOUIS UTTERBACH, M.S. (Washington)Instructor in Physics
MARY AID, A.B. (Wisconsin)Instructor in Physical Education
MARGUS A. HANNA, A.B. (Kansas)Instructor in Geology
EARL D. WEST, A.M. (Adrian College)Associate in Mathematics
ETHEL SANDERSON RADFORD, A.B. (McGill)
HERMANGE MULLEMEISTEE, Ph.D. (Royal University of Utrecht, Holland)
LILIAN BLOOK, (Graduate, Medical Gymnastic Institute, Stockholm, Sweden)
LILIAN BLOOM, (Graduate, Medical Gymnastic Institute, Stockholm, Sweden) Associate in Mathematics LILIAN BLOOM, (Graduate, Medical Gymnastic Institute, Stockholm, Sweden) Associate in Physical Education
LILIAN BLOOM, (Graduate, Medical Gymnastic Institute, Stockholm, Sweden)
Associate in Mathematics Lilian Bloom, (Graduate, Medical Gymnastic Institute, Stockholm, Sweden) Associate in Physical Education Manjoris Helen Whipple, A.B. (Colorado College)Associate in Chemistry C/rl Zeno Draves, M.S. (Ch.E.) (Washington)Associate in Chemistry
Associate in Mathematics LILIAN BLOOM, (Graduate, Medical Gymnastic Institute, Stockholm, Sweden)
Associate in Mathematics LILIAN BLOOM, (Graduate, Medical Gymnastic Institute, Stockholm, Sweden)
Associate in Mathematics LILIAN BLOOM, (Graduate, Medical Gymnastic Institute, Stockholm, Sweden)
Associate in Mathematics LILIAN BLOOM, (Graduate, Medical Gymnastic Institute, Stockholm, Sweden)
Associate in Mathematics Lilian Bloom, (Graduate, Medical Gymnastic Institute, Stockholm, Sweden)
Associate in Mathematics Lilian Bloom, (Graduate, Medical Gymnastic Institute, Stockholm, Sweden)
Associate in Mathematics Lilian Bloom, (Graduate, Medical Gymnastic Institute, Stockholm, Sweden)
Associate in Mathematics Lilian Bloom, (Graduate, Medical Gymnastic Institute, Stockholm, Sweden)

^{**}Died, Feb. 14, 1922.

GENERAL INFORMATION

The student entering the College of Science may take up one of several curricula, general or specialized, with the emphasis upon pure or applied science. These curricula, set fourth in detail in succeeding pages, are:

- I. Elective curricula with a major in some one department for students desiring general training in science, and leading to the degreee of bachelor of science.
- 11. Suggested curricula in the various departments for students desiring to specialize in one department or obtain professional training, and leading to the degree of bachelor of science in the respective subjects.

Bacteriology

F. **Physics**

ъ. Biology.

- G. For prospective science teachers
- C. Chemistry D. Geology
- Combined Science and Law H. Library Science I.
- Mathematics
- III. Prescribed curricula in vocational subjects.

Pre-medical Nurses

- Home Economics
- Physical Education for women

LABORATORIES

(For description of science laboratories see pages 29-36)

REQUIREMENTS FOR ADMISSION

Correspondence.—Credentials and all correspondence relating to admission to any college or school of the University should be addressed to the Registrar, University of Washington. Full information concerning admission, registration, and expenses may be found on pages 40, 48, 49.

Freshman Standing.—Freshman standing in the University is granted to any recommended graduate of a four-year accredited secondary school who meets the scholarship requirements outlined on page 41.

Grouping of Subjects in Preparation for Admission.—In addition to the three units of English and two units of mathematics required of all students for admission to the University, and the two units of a foreign language required for admission to the College of Science, the student expecting to enter this college is advised to take as many as possible of the subjects specified on a succeeding page among "Subjects required either in a secondary school or in the University." A careful observance of these paragraphs will furnish a more complete preparation for college work, and will give the student correspondingly greater freedom of election in college.

CURRICULA

I. ELECTIVE CURRICULA WITH A MAJOR IN ONE DEPARTMENT

In this division of the college, in order to secure the degree of bachelor of science, a student must complete a total of at least 190 credits, and must observe the restrictions in regard to a major subject, necessary scholarship and elections in other colleges.

A. REQUIREMENTS IN A MAJOR SUBJECT

A student must earn from 36 to 60 credits in a single department, known as his major department. Not more than 96 credits may be counted in the major and one other department.

COLLEGE OF SCIENCE

SCHOLARSHIP REQUIREMENTS

Not less than three-fourths of the credits required for graduation must be earned with grades A, B, or C.

C. ELECTIONS IN OTHER COLLEGES

In engineering, fine arts, fisheries, forestry, law, mines, and pharmacy, electives will be allowed to the extent of 25 credits from any one college, and not to exceed 36 from all.

D. DISTRIBUTION OF REQUIRED WORK

At least 60 of the scholastic credits presented for graduation shall be in courses numbered above 100, and of these 60 credits, at least 18 shall be in the major subject. The requirements for graduation and their distribution shall be as follows:

- Subjects Required in a Secondary School.

 - English, three years.

 Elementary algebra, one year.

 Plane geometry, one year.

 One foreign language, two years. (a)
 - Subjects Required Bither in a Secondary School or in the University.
 - - (g)
 - (h)

Oradita

- United States history and civics, one year (or ten credits).

 History other than (e), one year (or ten credits).

 Mathematics, geology*, or astronomy, one year (or ten credits).

 Chemistry, one year (or ten credits).

 Physics, one year (or ten credits).

 Botany or zoology, one year (or ten credits).

 A certificate of proficiency in English must be obtained either by registration or contenne experimention. entrance examination.
- Subjects Required in the University.

Autumn Quarter

- Physical education or military science, two years.
 Bonomics, history, language and literature, philosophy, political science, psychology, sociology, 20 credits (ten credits only may be taken in any one of these subjects).

BACTERIOLOGY

II. CURRICULA IN THE VARIOUS DEPARTMENTS

Winter Quarter

Physics 2

Electives

180 410

Oredita

Spring Quarter

Physics 8

Electives

FIRST YEAR

English 1 5 Chemistry 1 5 Zoology 1 or 3 5 Mil. Sci. or Phys. Ed. 1%	English 2 or Elective . 5 Chemistry 2 5 Zoology 2 or 4 5 Mil. Sci. or Phys. Ed 1%	Elective	4.
	SECOND YEAR	**	
Chemistry 181 5 Anatomy 105 5	Bacteriology 102 5 Chemistry 132 5 Anatomy 106 6-6 Mil. Sci. or Phys. Ed 1%	Chemistry 111 5 Anatomy 107 5	u/
*	THIED YEAR		
Bacteriology 104 4	Bacteriology 105 4	Bacteriology 106 4	'

Oredita

*Physiography (with laboratory work) taken in a high school will be accepted instead of geology.

†A student who has not taken in high school the amount of foreign language which may be required for admission to the college that he plans to enter, will make up the deficiency in the University as part of his regular schedule of work, but without receiving college credit for it. For the College of Science, the requirement may be satisfied with two entrance units, or 20 college hours, in any one foreign language.

Fra Sahre

FOURTH YEAR

Autumn Quarter Oredits		Spring Quarter Credits		
Bacteriology 210 2 > Bacteriology 213 3 Electives 6	Bacteriology 111 4 Bacteriology 211 2 Bacteriology 214 3 Electives 6	Bacteriology 112 4 Bacteriology 212 2 Bacteriology 215 3 Electives 6		
•	B. BIOLOGICAL SCIENCES	140 214		
	FIRST YDAR	-i		
Autumn Quarter Orcalis English 1	Winter Quarter Oredits	Spring Quarter Oredits		
English 1	English 2 or Elective 5 Botany or Zoology 5 **Mathematics or Elect 5	Mathematics or Elective. 5 Electives10		
Mil. Sci. or Phys. Ed 1%	Mil. Sci. or Phys. Ed 1%	Mil. Sci. or Phys. Ed 1%		
	SECOND YEAR			
Chemistry or Physics 5 Major 5 Electives 5 Mil. Sci. or Phys. Ed. 1%	Chemistry or Physics 5 Major 5 Electives 5 Mil. Sci. or Phys. Ed. 1%	Major		
	THIRD YEAR			
Major	Major	Major 5 Electives		
	FOURTH YEAR			
Major	Major	Electives15		
When a student decides to graduate under this curriculum with a major in anatomy, botany, or zoology, he should at once consult with the department concerned, a member of which will act as his advisor. The advisor will then plan a special curriculum for the student, fitting him for his chosen field of work, which curriculum must be submitted to the Dean of the College of Science for approval. Any change in the individual curriculum can only be made with the consent of the advisor and the dean.				
	C. CHEMISTRY	•		

FIRST YEAR

Autumn Quarter Oredits Chemistry 1 or 21 5 Mathematics 4 5 English 1 5 Mil. Sci. or Phys. Ed. 1%	Winter Quarter Credits Chemistry 2 or 22 5 Mathematics 5 5 English 2 or Electives 5 Mil. Sci. or Phys. Ed 1%	Spring Quarter Credits Chemistry 3 or 23
	SECOND YEAR	
Physics 1 or 97 5 Chemistry 101 5 Mathematics 61 3 **Ellectives 2 Mil. Sci. or Phys. Ed 1%	Physics 2 or 98 5 Chemistry 112 5 Mathematics 62 8 Electives 2 Mül. Sci. or Phys. Ed 1%	Physics 3 or 90
	THIRD YEAR	
Chemistry 131 5 *Electives 5	Chemistry 182 5 *Electives 5	Chemistry 183 5

^{**}Two and one-half years of mathematics required, which may be taken in high school or University.

In addition to the subjects specifically listed above, 10 credits in either French or German are required, to be completed before the end of the third year.

COLLEGE OF SCIENCE .

GROUP OPTIONS	GROUP OPTIONS	GEOUP OPTIONS	`.
Autumn Quarter Credits	Winter Quarter Credits	Spring Quarter Oredits	
(a) General Chemistry 221 8	(a) General Chemistry 222 3	(a) General Chemistry 114 5	
Electives 2	Electives 2	-	
(b) Industrial ² ² Chemistry 121 5	(b) Industrial Chemistry 122 5	(b) Industrial Chemistry 123 5	
(c) Physiological Chemistry Botany 148 5	(c) Physiological Chemistry	(c) Physiological Chemistry	
Botany 148 5 (d) Sanitary and Food	Botany 144 5 (d) Sanitary and Food	Botany 145 5 (d) Sanitary and Food	
Chemistry	Chemistry	Chemistry	
Chemistry 105 5	Chemistry 106 5	Chemistry 107 5	
	FOURTH YEAR		
Chemistry 181 5	Chemistry 182 5 Chemistry 225 2	Chemistry 183 5	
Chemistry 224 2	Chemistry 225 2		
GROUP OPTIONS	GROUP OPTIONS	GROUP OPTIONS	
(a) General	(a) General	(a) General	
Chemistry 211 or) Chemistry 212 or) 5	Chemistry 250 5 Electives 3	Chemistry 250 5 Electives 5	
Chemistry 250) 3			
(b) Industrial Chemical Engineer-	(b) Industrial	(b) Industrial Chemistry 250 5	•
ing 215 5	Chemistry 211 2 Chemistry 250 8	Electives 5	
Electives 8 (c) Physiological Chem-	Electives 8 (c) Physiological Chem-	(c) Physiological Chem-	
istry	istry	istry	
Chemistry 141 5 Chemistry 192 8	Chemistry 142 5 Chemistry 198 8	Chemistry 146 8 Electives 7	
(d) Sanitary and Food Chemistry	(d) Sanitary and Food Chemistry	Electives 7 (d) Sanitary and Food Chemistry	
Chemistry 141 5	Chemistry 142 5	Chemistry 146 3	
Chemistry 141 5 Chemistry 192) Electives) 3	Chemistry 198 8	Electives 7	
	D. GEOLOGY		
	FIRST YEAR		
Autumn Quarter Credits	Winter Quarter Credits	Spring Quarter Oredits	
Geology 1 5	Mathematics 4 5	Mathematics 6 5	45
Chemistry 1 or 21 5	Chemistry 2 or 22 5	Mathematics 6 5 5 Geology 2 5 Chemistry 3 or 23 5 Mil. Sci. or Phys. Ed 1%	7 5
Mil. Sci. of Phys. Ed 1%	Mu. Sci. of Phys. Ed 175	Mil. Sci. of Phys. Ed 175	
	SECOND YEAR		
Physics 1 5 .	Geology 21 5	Geology 117 8	. H
Chemistry 111	Physics 2 5	Geology 120 3	1 47
Astronomy 11 5	Geology 21	Civil Engineering 4 3	
Mil. Sci. or Phys. Ed 13/3	Mil. Sci. or Phys. Ed 1%	Mil. Sci. or Phys. Ed 1%	
	THIRD YEAR		
Potent or Zoology 5	Rotany or Zoology K	Geology 125 4 Geology 121 3 Geology 131 5 Ellectives 8	
Geology 123 3	Geology 124 4	Geology 121 3	5-48
Geology 131 5	Geology 118 8	Goology 184	.7
		8	m y gaes
	20022		
Geology 126 8	Geology 127	Geology 128 2	
Thesis 2	Thesis	Geology 128 2 Metallurgy 102 5 Thesis 2 Electives 8	<i>5</i> .0
Options: A—Mechanica	l Drawing, B—Geology or Mine ct the industrial group in junior	ralogy, C—Biology Science.	18 1
nology (Chem. 52) lectures or	of the industrial group in junior aly, 3 credits, during the sophon aproved by the head of the dep	fore year.	418
All electives must be an registration officer appointed	proved by the head of the dep by the department of chemistr	eartment of chemistry or other	17
		-	

E. MATHEMATICS

FIRST YEAR

Autumn Quarter Credits English 1	Winter Quarter Credits English 2 or Elective . 5 Mathematics 5 5	History 5 Mathematics 6 5
*Physics 1 5 Mil. Sci. or Phys. Ed 1%	*Physics 2 5 Mil. Sci. or Phys. Ed 1%	Modern Foreign Lang 5 Mil. Sci. or Phys. Ed 1%
	SECOND YEAR	•
History	Economics 1 5 Mathematics 108 5 Chemistry 1 5 Mil. Sci. or Phys. Ed 1%	Political Science 1 5 Mathematics 109 5 Chemistry 2 5 Mil. Sci. or Phys. Ed 1%
	THIRD YEAR	e e
GRO	JP I—SECONDARY SCHOOL TEAC	HERS
Psychology 1 5 Biological Science 5 Mathematics 2 or 3 Electives 3 or 2	Philosophy or Logic 5 Biological Science 5 Mathematics 2 or 3 Electives 3 or 2	Astronomy 1 5 Mathematics 2 or 3 Education 101 5 Electives 3 or 2
GROUP	II-COLLEGE AND UNIVERSITY T	EACHERS
Psychology 1 5 Biological Science 5 Mathematics 2 Mathematics 3	Philosophy or Logic 5 Biological Science 5 Mathematics 2 Mathematics 8	Astronomy 5 Mathematics 2 Mathematics 2 Electives 5
GRO	OP III—STATISTICIANS AND ACTU	ARIES
Psychology 1 5 Biological Science 5 Business Ad. 64 5	Philosophy or Logic 5 Biological Science 5 Business Ad. 65 5	Astronomy 1 5 Mathematics 13 5 Electives 5
	FOURTH YEAR	
GRO	UP I—SECONDARY SCHOOL TEAC	HERS
Education 110 3 Education 145 5 Electives 7	Education 119 8 Electives	Education
GROUP I	I-COLLEGE AND UNIVERSITY TO	EACHERS
Mathematics 5 Electives	Mathematics 5 Electives	
GROU	P III—STATISTICIANS AND ACTU	ARIES
Mathematics 151	Mathematics 152 3 Business Ad. 147 5 Business Ad. 118 5	Mathematics 153
÷	F. PHYSICS	
GRO	UP I—SECONDARY SCHOOL TEAC	HERS
First Year	Oredits Second Year	Oredita
Mathematics		
Third Year	Oredita Fourth Year	Oredita
Physics Education Philosophy Group Free Electives	5 Education .	

^{*}Students in Group III take Bus. Ad. 11-12 in place of Physics.
**Physics will be taken only when no high school physics is offered.

GROUP II--COLLEGE AND UNIVERSITY TRACHERS

First Year	Oredita	Second Year	Gredite
Mathematics	15	Physics	
*Chemistry or Physics		Mathematics	15
English 5 or Adv. Electives	10		10
Bot., Zool., Geol., or Astron	10	Psychology	
Third Year	Oredite	Fourth Year	Oredita
Physics	15	Physics	9
Mathematics	10	Mathematics	
Philosophy Group		Adv. Electives	
Free Electives	9	Free Electives	15
	BOUP III—INDUS	TRIAL PHYSICISTS	
First Year	Oredite	Second Year	Oredita
Mathematics	15	Second Year Physics	
Mathematics *Chemistry or Physics	15		
Mathematics *Chemistry or Physics English 5 or Adv. Electives		Physics	
Mathematics *Chemistry or Physics		Physics Mathematics Chemistry Psychology	
Mathematics *Chemistry or Physics English 5 or Adv. Electives		Physics	
Mathematics *Chemistry or Physics English 5 or Adv. Electives Bot., Zool., Geol., or Astron		Physics Mathematics Chemistry Psychology	
Mathematics *Chemistry or Physics English 5 or Adv. Electives Bot., Zool., Geol., or Astron Third Year		Physics Mathematics Chemistry Psychology Adv. Electives Fourth Year	
Mathematics *Chemistry or Physics English 5 or Adv. Electives Bot., Zool., Geol., or Astron		Physics Mathematics Chemistry Psychology Adv. Electives	
Mathematics *Chemistry or Physics English 5 or Adv. Electives Bot., Zool., Geol., or Astron Third Year Physics Philosophy Group Chemistry		Physics Mathematics Chemistry Psychology Adv. Electives Fourth Year Physics Chemistry Adv. Electives	
Mathematics *Chemistry or Physics English 5 or Adv. Electives Bot., Zool., Geol., or Astron Third Year Physics Philosophy Group		Physics Mathematics Chemistry Psychology Adv. Electives Fourth Year Physics Chemistry	

Advanced electives must be approved by the department.

CURRICULUM FOR PROSPECTIVE SCIENCE TEACHERS

Most of those science students who expect to teach must begin in a small high school. In such schools one teacher usually teaches several or all the sciences. It is therefore desirable that such students get a wide range of scientific knowledge, rather than the intensive training secured by three years' work for a major in some one department. The following course permits the students to prepare in more sciences by not requiring three years of any one science.

First Year Science (botany, geology, or zoology Science (physics or chemistry) Mathematics English Electives Mil. Sci. or Phys. Ed.	10 5 0 to 10 10	Second Year History	logy 10
Third Year Philosophy and Psychology Science	10 20	Fourth Year Education	10

REGULATIONS GOVERNING THIS CUBRICULUM

- (a) A student may select any three of the following sciences and must do the amount of A student may select any three of the following science, as indicated.

 Botany (exclusive of bacteriology), 20 credits

 Chemistry, 20 credits.

 Mathematics (exclusive of astronomy), 20 credits.

Physics, 20 credits. Zoology, 20 credits.

- (b) Included in or in addition to the work in (a) every student must take 5 credits in mathematics, 10 credits in physics, 10 credits in chemistry, 10 credits in botany or
- (c) If 20 credits of chemistry are taken, only 15 of geology are required.
- (d) When mathematics is selected as one of the three sciences, physics must be selected

^{*}Physics will be taken only when no high school physics is offered.

1

The modern secolog language required shall be either french or German and a con-(f) The work in freshman composition shall be 0 to 10 credits.

SIX-YEAR COURSE IN SCIENCE AND LAW

This is a combination course whereby a student may obtain the degrees of bachelor of science and bachelor of laws in six years. At the end of his third year, after he has earned 135 credits, together with the required credits in military science or physical education, including all of the required work, together with a major in some department, he may register in the School of Law for the first year's work in law. He will be granted the bachelor of science degree at the end of the fourth year, or whenever he completes the required work above specified, together with 9 additional credits in the College of Science and 36 credits in the School of Law; making a total of 190 credits for graduation. The fifth and sixth years of the combined course are devoted to completing the remainder of the required work for graduation from the School of Law.

I. FIVE-YEAR COURSE IN SCIENCE AND LIBRARY SCIENCE

This course is for students who are preparing to become professional librarians and who desire to receive degrees of bachelor of science and bachelor of library science. Under this arrangement a student should first complete all the required work of the course for science teachers (outlined above), substituting courses in library science for 18 credits in education, as stipulated for the senior year. A portion of the fourth year and all of the fifth year are devoted to the required subjects in library science. If this plan is carefully followed, a student should earn the degree of bachelor of science at the end of the fourth year, and the degree of bachelor of library. science at the eend of the fifth year. (See department of library science.)

III. PRESCRIBED CURRICULA IN VOCATIONAL SUBJECTS

A. PRE-MEDICAL CURRICULA

TWO AND FOUR-YEAR CURRICULA PREPARATORY TO MEDICINE

The University offers two curricula preparatory to the study of medicine. One of these is for two years, and will meet the requirements of those medical schools which require no more than two years of college work for admission to their professional study. The second is for four years, and prepares students for those medical schools that require for admission the completion of a full four year college course. The curricula will not reduce the amount of work to be done by the student in the medical school but they are designed to increase its efficiency.

These courses are also well adapted for pre-dental students, as the best dental schools require the same foundation work as the medical schools.

Students entering the pre-medical courses should present the following among the 15 units required for entrance to the University (see Requirements for Admission, page 43):

2 units of English

1 unit of algebra

1 unit of plane geometry

1 unit of United States history and civics

1 unit of medieval and modern history

Below is the outline of the four-year curriculum. The first and second years constitute the two-year curriculum:

FIRST YEAR

Autumn Quarter Credits	Winter Quarter Credits	Spring Quarter Oredits
Chemistry 1 or 21 5	Chemistry 2 or 22 5	Chemistry 8 or 28 5
Zool. 8 (Pre-medical) 5	Zool. 4 (Pre-medical) 5	Zool. 5 (Pre-medical) 5
English 1 5	English 2 5	Psychology 1 5
Mil. Sci. or Phys. Ed 1%	Mil. Sci. or Phys. Ed 1%	Mil. Sci. or Phys. Ed 1%

SECOND YEAR

Autumn Quarter	Oredita	Winter Quarter	Oredita	Spring Quarter	Oredita
Physics 1		Physics 2		Physics 3	
Chem. 131 (Organ		Chem. 132 (Organi		Sci. French or Ge	
English 73		Psych. 126 (Abno		Ec. 1 or Pol. Sci.	
Mil. Sci. or Phys.	Ed 1%	Mil. Sci. or Phys.	Ed 1%	Mil. Sci. or Phys.	Ed 1%
•,		THIRD YE	AR		
Anatomy 101	6	Anatomy 102	6	Anatomy 103	6
Anatomy 105	6	Anatomy 106	6	Anatomy 107	
Bacteriology 104	4	Bacteriology 105 .	4	Bacteriology 106	
		Fourth Y	EAR		
m1 171	~	W1 150		71 1FD	_
Zoology 151		Zoology 152		Zoology 153	
Chemistry 141		Chemistry 142		Bacteriology 112	
Bacteriology 110		Bacteriology 111		Elective	9
Anatomy 104	4	Elective	4		

THREE-YEAR CURRICULUM FOR NURSES

Believing that a broader scientific education is desired by young women entering the nursing profession, the University offers a three-year pre-hospital course which when followed (or preceded) by the two-year hospital course in such hospitals as may be selected by the University, leads to a degree of bachelor of science in nursing and a certificate of nursing.

For admission to this curriculum a student must present 15 units by examination or certificate from an accredited school from which she has graduated. (See Requirements for Admission, page 43). These 15 units

should include the following:

8 units of English
1 unit of algebra
1 unit of plane geometry

The curriculum:

1 unit of United States history and civics 1 unit of medieval and modern history

1 unit of physics 2 units of one foreign language

FIRST YEAR

Autumn Quarter Oredite Home Economics 4 3 Nursing 1 5 t Physics 89 5 Phys. Ed 134 13	English 1 5 (S) Chemistry 5 5	Chemistry 6
Zoology 3	Home Economics 106 . 4 Physiology 55 . 5 Anatomy 101 6 Elective 2 Phys. Ed 1% THIRD YEAR	Nursing 3
English Literature 73 . 5 Bacteriology 101 5 English Literature 73 . 5 Bacteriology 101	Nursing 102 3 Bacteriology 102 5 Psychology 126 5 Sociology 1 5 Country 1 5 the two years in the hospital student to return to the Unit	English Literature 75 5

CURRICULUM TO BE FOLLOWED IN A SELECTED HOSPITAL

Credita	. Oredits
Demonstration of Nursing	Eye, Ear, Nose and Throat Nursing 5 Neurological Nursing 5 Children's Nursing 5 Infectious and Contagious Disease Nursing 5 Administration 5

C. PRESCRIBED CURRICULA IN HOME ECONOMICS

Many fields of activity other than teaching are being offered to women trained in the work given in the department of home economics. In each line of vocational work offered, there is opportunity to put into practice the technical work of the laboratory. In food preparation, the students work in the University Commons, in commercial establishments and in hospitals to gain practical experience. In clothing, students learn first to sew for themselves and then for customers.

Seniors are required to live in the practice cottage located on the campus, where they take full responsibility for the management and care of the house for a family of four during a period of three weeks.

The following grouping is arranged as a guide in selecting the work that will best satisfy the requirements of each individual:

Group I, General, is planned for students who want a liberal college training with emphasis upon the subjects that pertain to the home and home life. Those who are interested in social betterment and who wish to enter definite welfare work may combine home economics and sociology in this curriculum.

Group II, Food and Nutrition, is offered for those students who wish to specialize for the purpose of teaching this phase of the work in institutions of higher education, for laboratory or research workers, and for students who wish to become dietitians in hospitals, sanitoria or private work. Those who intend to become sanitary and food inspectors are also advised to take the course.

Group III, Teachers' Curriculum. This group combines home economics and liberal ants subjects, chemistry, physics. bacteriology, fine arts, physiology and economics. Courses are arranged to meet the particular needs of home economics students. Practice teaching extending through one quarter in the Seattle schools is required. Graduates of this course will upon application to the State Board of Vocational Education receive a Smith-Hughes certificate.

Group IV, Institutional Management. This course combines the fundamental sciences, technical and business courses, with practice work. Young women with initiative and ability find positions that offer increasingly attractive returns when trained in this line of work.

Group V, Textiles, Clothing and Fine Arts. This curriculum requires a minimum of science but gives ample opportunity for combining work in design with clothing and textiles for the purpose of general culture or for use in a commercial field.

A teaching major in home economics consists of: H.E. 4, 5, 6, 8, 25, 107, 108, 112, 113, 143, 144, 145, 146, 147—with their prerequisites.

Any one of the five lines may lead to the degree of bachelor of science in home economics. Students who fulfill all entrance requirements of the College of Liberal Arts may use home economics as a major for the degree of bachelor of arts.

Students eligible to freshman standing in any college of the University are eligible to enter any one of the above five curricula in home economics; 180 + 10 credits are required for graduation from any of these curricula. For students who complete H.E. 5-6 or H.E. 105-106, 182 + 8 credits are required.

"Preferred elective" means that these requirements must be satisfied before any other course is taken.

GROUP I-GENERAL CURRICULUM

To provide a liberal college training, also for those students who wish to fit themselves for the following vocations:

- 1. Homemaking.
- 2. Social Service. (Elect economics and sociology.)

FIRST YEAR

Autumn Quarter Oredits	Winter Quarter Credits	Spring Quarter Oredits
English · 1 5 Zool. 1 or Bot. 1 5	English 2 5 Chemistry 5 5	Physiology 7 5 Chemistry 6 5
Home Economics 7 2 Elective 8 Phys. Ed 1%	Zool. 2 or Bot. 2 5 Phys. Ed 1	Lang. (anci't or mod.) 5 Phys. Ed

Preferred electives-H.E. 4, 8, 25, 43; Nursing 5.

SECOND YEAR

Language (Anc. or Mod.) History Phys. Ed.	5	Language (Anc. or Mod.) 5 History 5 Phys. Ed 1	Language (Anc. or Mod.) 5 Psychology 5 Economics 5
			Phys. Eld 1

Preferred electives-H.E. 5, 6; P.S.D. 3; Bact. 101.

THIRD YEAR

Autumn Quarter	Oredita	Winter Quarter	Oredits	Spring Quarter	Oredite
Philosophy 2	5	Sociology 1	5		
Pref	erred elect	ives—H.B. 105-106,	112, 118; 1	Physics 89-90.	

FOURTH YEAR

Preferred electives-H.E. 144-145, 146, 148, 148; Arch. 1-2.

GROUP II-FOOD AND NUTRITION

FIRST YEAR

Autumn Quarter	Oredita	Winter Quarter	Oredita	Spring Quarter	Oredita
English 1	5 .	English 2	5	Chemistry 6	5
				Physiology 7	
Phys. Ed	1%	Phys. Ed	1%	Lang., Lit., or Hist.	
	The form	al alastinas III A	0 OF. T	Phys. Ed	1%

SECOND YEAR

Lang., Lit., or Hist	Phys. Ed 1	Lang., Lit., or Hist 5 Psychology 1 5 Chemistry 197 5 Phys. Ed 1
	Preferred electives	

THIRD YEAR

	Economics				;	_Chemistry	104	 4.
•						Sociology .		 5
Preferred	electives—H.E.	107-	108:	Nursing	: 5 :	Physics 89-	90.	

FOURTH YEAR

Preferred electives-H.E. 108, 148, 189, 190, 191 and related sciences.

GROUP III-SMITH-HUGHES TEACHER TRAINING

FIRST YEAR

Autumn Quarter Oredits	Winter Quarter Credits	Spring Quarter Oredits
English 1 5 Physiology 7 5	Chemistry 5 5	
Home Economics 7 2 Phys. Ed 1%	Phys. Ed 1%	••

Preferred electives—H.E. 4, 8, 25; P.S.D. 3.

If H.E. 4 and 8 are carried in high school, substitute H.E. 43 and Nursing 5.

1		SECOND YEAR	
nl	Autumn Quarter Credi		
•	Lang., Lit. or Hist 5 Chemistry 135 5 Phys. Ed 1	Lang., Lit. or Hist 5 Chemistry 136 5 Phys. Ed 1	Lang., Lit. or Hist 5 N 30 Psychology 1 5 Phys. Ed 1
	Preferred electives Home Economics 5 5	Home Economics 6 6 5	Bacteriology 101 5
3	Education 101 5	Education 110 5	Economics 1
4	Preferred electives— Physics 89	Physics 90 5 Home Economics 113 5 FOURTH YEAR Education 161.J 3	Home Economics 107-108 (3) Home Economics 143 (3) Education 145 5
\	Preferred electives Home Economics 148 2 Architecture 1, 2	Home Economics 144 3	Home Economics 145 3 (Cocture = 84) 180+10
\$- -	GROUP	IV-INSTITUTIONAL MANAGE	MENT 180+10
2. 200	To be taken by thos tions:	e who wish to fit themselve	

- 1. Dietitians.
- 2. House directors.
- 3. Managers of tearooms, lunchrooms, cafeterias.
- 4. Food service in state, municipal, or charitable institutions.

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Orodits.
English 1 Physiology 7	5	Chemistry 5	5	Chemistry 6 Lang., Lit. or Hist.	5
Phys. Ed	1%			Phys. Ed	1%
	Preferred e	electives—H.E. 4, 2	5; P.S.D. 3	3; Law 54.	

SECOND YEAR

Lang., Lit. or Hist 5 Phys. Ed 1	Lang., Lit. or Hist 5 Chemistry 136 5 Psychology 1 5
Profe	Phys. Ed 1

Economics 1 5 Sociology 1 5 Preferred electives—H.E. 107-108, 124, 148; Chem. 104, 144; Physics 89-90.

FOURTH YEAR

Preferred electives-H.E. 121, 122, 123, 125, 144, 145, 183, 189, 190; B.A. 11; Arch. 1-2.

GROUP V-TEXTILES, CLOTHING AND FINE ARTS

SUMMARY

Oreatte	Oredita
College requirements 84 Fine Arts 31 Home Becommics 56	Free electives 29 Physical Education 10 199

SUGGESTED SCHEDULE

College Requirements	Orealta	Fine Arts	1711	Oredits'	Home E	conomics	Gredits
English	. 9. 🌌	P. S. & D.	8-10-11	4 0	H. E. 8	, Ele. Clothing	3
Lang., Lit. or Hist.	20	P. S. & D.	169-170	4	H. E.	25. Textiles	5
Laboratory Science	10	Arch. 1-2		5/,	H.E. 2'	7. Non-textiles	3
				Ų		• •	

COLLEGE OF SCIENCE

ہر	College Requirements Credit Physiology 7 5 Economics 1 5 Sociology 1 5 Psychology 1 5 Philesophy 1 0 2	Pinc Arts Credit P. S. & D. Electives 18.	H.E. 101-102	_
	· · · · · · · · · · · · · · · · · · ·		H.E. 135 Millinery 3 H.E. 143 Home Furnish . 3 H.E. 145 House Managem't 2 H.E. 188 Aut. Letter . 2	1
	Total 64 Free Electives	Total 31 29 Physical	Total57	
	D. P	HYSICAL EDUCATION FOR WO	OMEN	
		FIRST YEAR		
	Autumn Quarter Credits	Winter Quarter Oredits	Spring Quarter Credits	
	English 1	Chemistry 5 5 Zoology 2 5	English 5 Lang., Lit., History or Electives	Ÿ3'
	13	SECOND YEAR 🦳 🔰	13	
	Physiology 54 5 Lang., Lit., Hist. or Elective 5 Anatomy 101 3	Physiology 55 5 Psychology 1 5 Anatomy 102 8 Phys. Ed. 1%	Education 101 5	39
	Phys. Ed	Physical Education 112. 3	Physical Education 118. 8 3	
	10	THIRD YEAR	•	/
	Physics 89	Physics 90 5	Education 110 5	12
		Phys. Ed. 105 (Dancing) 2 Phys. Ed. 102 (Gymnas.) 3 Phys. Ed. 132 (Correc.) 4	Phys. Ed. 106 (Dancing) 2 Phys. Ed. 103 (Gymna.) 3 Phys. Ed. 133 (Correc.) 4 Phys. Ed. 122 (Kin'lgy) 3 Phys. Ed. 169 (Athlet.) 2	,
			1115. M. 105 (Aunci.) 2	

FOURTH YEAR

Education 145 8	Education 145	2 Electives	7	
Education 119 8	Electives	7		
Education 160.R 2		Phys. Ed.	'168 (Anthro) 2	
• .	Phys. Ed. 155 (Dancing)		156 (Dancing) 2	
Preferred Electives-	Phys. Ed. 152 (Ad. in	Phys. Ed.	158 (Meth.	
Phys. Ed. 154 (Dancing) 2	Phys. Ed.)	2 Hyg. In	st.) 2	
Phys. Eq. 170 (Athlet.) 2	Phys. Ed. 171 (Athlet.)	2 Phys. Ed.	172 (Athlet.). 2	
Physical Educat	lon, 69 credits	Electives, 32 cre	dits.	

If chemistry and physics have been taken in high school, Chemistry 5 and 6 and Physics 89 and 90 may be eliminated.
Of the preferred electives in physical education, the minimum is 58 and the maximum

credits.

A student may also use physical education as a major, following the prescriptions outlined under group I (curricula with major in one department).

Courses

For description of courses, see Departments of Instruction, printed elsewhere in this catalogue. (See Index.)

GENERAL NOTE. -Each student is to be held either for the admission and graduation requirements of the catalogue under which he enters, or for those of the catalogue under which he graduates.

SCHOOL OF EDUCATION

THE FACULTY

Henry Suzzallo, Ph.D. (Columbia). LL.D. (California)
JOHN THOMAS CONDON, LL.M. (Northwestern) DEAN OF FACULTIES
FREDERICK ELMER BOLTON, Ph.D. (Clark)Professor of Education; Dean
FRED CARLETON AYER, Ph.D. (Chicago)Professor of Education
EDWARD D. RANDOLPH, A.M. (Columbia)
CURTIS TALMADGE WILLIAMS, Ph.D. (Clark)Assistant Professor of Education
PAUL WASHINGTON TERRY, Ph.D. (Chicago)Assistant Professor of Education
KARLAN CAMERON HINES, Ph.D. (Iowa)
ALEXANDER CRIPPEN ROBERTS, A.M. (Washington)Associate in Education
CECIL LEONARD HUGHES, B.Ed. (Washington), Teaching Fellow in Education
HENEY LANDES, A.M. (Harvard)Professor of Geology; Dean of the College of Science
EDMOND STEPHEN MEANY, M.L. (Wisconsin)
CABOLINE HAVEN OBER,
TREWOR KINOAID, A.M. (Washington)
FREDERICK MORGAN PADELFORD, Ph.D. (Yale)
FREDBRICK ARTHUR OSBORN, Ph.D. (Michigan)
DAVID THOMSON, B.A. (Toronto) Professor of Latin; Dean of the College of Liberal Arts
PIERRE JOSEPH FREIN, Ph.D. (Johns Hopkins)Professor of Romanic Languages
THEODORD CHRISTIAN FRYE, Ph.D. (Chicago)
ROBERT EDOUARD MORITZ, Ph.N.D. (Strassburg)Professor of Mathematics
IRVING MACKEY GLEN, A.M. (Oregon)Professor of Music; Denn of the College of Fine Arts
EDWIN JOHN VICKNER, Ph.D. (Minnesota)Professor of Scandinavian Languages
EFFES ISABEL RAITT, A.M. (Columbia) Professor of Home Economics
WILLIAM PIBECH GORSUCH, A.B. (Knox)Professor of Public Speaking and Debate
STEVENSON SMITH, Ph.D. (Pennsylvania),
STEPHEN IVAN MILLER, JR., A.B. (Stanford), LL.B. (Michigan)
HOWARD WOOLSTON, Ph.D. (Columbia)
EDWARD McMahon, A.M. (Wisconsin) Associate Professor of American History
ROBERT MAX GARRETT, Ph.D. (Munich)Associate Professor of English
EDWIN JAMES SAUNDERS, A.M. (Harvard) Assistant Professor of Geology
ERNEST OTTO ECKELMAN, Ph.D. (Heidelberg),Assistant Professor of German
FRANCES DICKEY, A.M. (Columbia),
MARY EMMA GROSS, A.M. (Columbia), Director of Physical Education for Women

GENERAL STATEMENT

The College of Education has been changed into a School of Education, the reorganization to go into effect at the beginning of the autumn quarter, 1922. The School will be based upon two years of college or normal school work. Only one course in education, Introduction to Education, will be allowed in the sophomore year. The degree awarded will be bachelor of arts in education or bachelor of science in education according to the character of the academic work chosen.

The work in the School will be strictly professional and will seek to afford special training and technique for the various types of teachers and educational specialists. Emphasis will be placed upon graduate work. A probationary teaching certificate, the five year normal diploma, will be granted for a minimum amount of professional study but all wishing to secure the life diploma will be required to spend at least one quarter in residence after graduation and complete a total of 35 credits (including the undergraduate

work) in education.

'Scope and Aims.—The curriculum of the School of Education assumes that teachers should have a broad and liberal education, supplemented by professional training which gives a knowledge of the pupils to be taught, the problems to be met, and new meaning to the subjects of instruction, as well as fundamental principles of teaching; and that they should be masters of

some special subject which they expect to teach.

The School is especially fitted to provide teachers of the following types: (1) high school teachers; (2) high school principals; (3) supervisors of public schools; (4) grammar school principals; (5) supervisors of primary schools; (6) supervisors and teachers of music, drawing, manual and industrial arts, home economics, physical training and other special subjects; (7) normal school and college instructors in education; (8) experts in educational research; (9) specialists in the education of defectives; (10) playground directors; (11) Y. M. C. A. and Y. W. C. A. workers; (12) juvenile court workers.

General Academic Work.—Because of the variety of work which every teacher is likely to be required to do upon beginning to teach, and because of the requirements for state certificates, elementary college courses should be taken in not less than four subjects which are taught in the high schools.

Specialized Academic Work.—Each teacher should have thoroughly extended preparation in one subject and reasonable preparation in at least two additional subjects. Experience has shown that the following combinations are most frequently demanded: Latin, French; Latin, Greek; English, French; English, history, civics; English, Latin, history; Spanish, French; mathematics, physics, chemistry; botany, zoology, physiology, physiography; home economics alone or in connection with one or two other subjects; manual and industrial arts alone or inconnection with one or two other subjects; commercial subjects alone or with other subjects; athletics, music or drawing in combination with other work. One teacher is frequently required to teach all of the sciences. Public speaking is desirable as a part of the preparation for teaching English.

Professional Work.—The requirements for the academic major and minors secure a proper distribution of the academic subjects. The professional work consists (a) of the courses given in the department of education, (b) the teachers' courses given in the various academic departments.

Special Teachers' Courses.—Many of the academic departments have teachers' courses for the purpose of studying the problems of teaching their subjects in the high schools. Work in special methods relating to particular

subjects is given by those dealing most directly with the subject matter. Foundation principles of general methods as based upon the laws of learning and teaching are developed in the department of education.

Observation and Supervised Teaching.—By an arrangement between the University and the schools of Seattle students in the department of education may observe the regular work in certain schools (at present twelve are used) and do supervised teaching under direction of the regular teachers of the school and the university professor in charge of that work. In this way students have an opportunity to observe and gain valuable experience under exceptionally favorable conditions.

Industrial Arts.—While no separate department of industrial arts is maintained during the regular year, special attention has been devoted to this work during the summer quarter. A good curriculum may be secured during the regular academic year by selecting from the courses in engineering, fine arts, and education. Because of the excellent industrial arts work in the Seattle public schools, students have unusual facilities for observing the best organization and equipment. A large number of industrial centers and prevocational classes are maintained in various parts of the city.

Athletics and Playground Activities.—There is at the present time, a strong demand for teachers, both men and women, who can direct the various forms of athletics and playground activities in the high school and the grammar grades.

Public School Music.—Not only is there a demand for specially trained supervisors of music in the schools, but every school needs teachers who can give some assistance in the general musical activities of the school and the community. Every teacher who has any musical ability ought to secure some training in music and participate in some of the musical organizations of the University.

Debating, Dramatics, Public Speaking.—Every teacher will be called upon to assist in the incidental work of the school. The small towns cannot afford special teachers of public speaking and debate and consequently the teacher who can assist in these lines increases his usefulness. Every student should participate in some of these lines all through the college course and definite courses in them should be taken.

Journalism in High Schools.—Newspaper writing is being introduced in some of the best high schools as a part of the English course. It seems to afford a valuable incentive to many pupils in their English work. The teacher who undertakes this work needs to be especially well trained professionally as well as in English and journalism. For a proper combination of courses the student should consult the departments of education, English, and journalism.

Commercial Subjects.—At present the demand upon the University for teachers of commercial subjects far exceeds the supply. To prepare for this line of work the student should include courses in bookkeeping, stenography, commercial law, commercial policies, commercial geography, besides courses in economics, and the professional training in education.

Teaching of Technical Subjects in College.—Many students of engineering, forestry, law and other technical subjects ultimately plan to teach those subjects in colleges or technical schools. An increasing number of such students desire professional training in educational theory and methods as a part of their preparation.

The Study of Education and Citizenship.—Courses in education are valuable, not only for those who expect to teach, but also for those who expect to

be citizens of any community. Many of the courses in education, therefore, are rightly coming to be pursued by students not expecting to become teachers.

Extension Service.—The department of education is glad to render service to the cause of education in many ways besides through the regular courses of instruction. Members frequently give addresses at teachers' institutes, parent-teachers' associations, educational associations, community centers, school dedications, school commencements, etc. They are also glad to conduct educational surveys as far as time will permit.

Saturday and Evening Classes.—To accommodate the teachers of Seattle and vicinity several classes in education are scheduled on Saturday and during the late afternoon and evening.

Vocational Secretary.—The University maintains a vocational secretary for the purpose of assisting students to secure desirable positions. The services of this officer are entirely free to students and graduates of the University and to employers.

Honorary Educational Societies.—Active chapters of Phi Delta Kappa, men's national honorary educational fraternity, and Pi Lambda Theta, women's national honorary educational sorority have been established for several years. Each has a large and vigorous membership. A men's education club has also recently been organized.

RULES AND REGULATIONS

FACULTY OF THE SCHOOL OF EDUCATION

MEMBERSHIP

- 1. The faculty of the School of Education shall consist of:
 - (a) All instructors in the Department of Education.
 - (b) All instructors giving teachers' courses in academic subjects.
 - (c) All heads of departments that give subject matter courses represented in the high schools.

NOTE—All special teachers' courses shall be listed and numbered as education courses.

POWERS AND DUTIES OF THE FACULTY

The faculty of the School of Education shall have the following powers and duties:

1. To make and execute such rules and regulations as may be necessary for the government of the School of Education and to exercise such other powers and duties as are common to other schools and colleges of the University.

ADMISSION

The admission requirements shall be:

(a) Completion of 90 quarter hours of college credit earned in the University of Washington or in an accredited institution of equal rank. The disposition of these 90 hours shall be determined by mutual agreement of the faculty of the School of Education and the faculty of the particular college concerned, and shall be administered by the dean of the college in accordance therewith. In addition there must be completed the usual undergraduate requirements in physical training or military drill.

Sophomores who have earned 65 quarter hours of credit may enroll in course 101, Introduction to Education.

- (b) Graduation from a two year advanced course in an accredited normal school, under conditions outlined on page 47 will fulfill the admission requirements.
- (c) Claims for advanced university credit based on excess normal school credits will be passed on by a committee consisting of the registrar, the dean of the School of Education, and the heads of the departments concerned.

GRADUATION

For graduation from the School of Education with the degree of bachelor of arts in education or bachelor of science in education there shall be completed 90 quarter hours of credit beyond requirements for entrance to the school, at least 48 of which shall be in upper division subjects. In the total of 180 quarter hours of academic credit required before graduation from the School of Education there must be included the following:

		•	Credits
Academic	Major		35
Academic	Minor		20
Education,	including 2 hour	s special teacher	s' course 25

The education courses required for the degree of bachelor of arts in education, or bachelor of science in education shall include the following:

	5	credits
Psychology of Teaching Methods	5	"
Secondary Education 1 4	3	44
Teachers' Course in Special Subjects	2	66.
Practice Teaching145	5	66
Educational Measurements150	3	46
Educational Electives	2	**
	_	
m . •		**.

- 1. An academic major consists of 35 credits in some subject other than education.
- 2. An academic minor consists of 20 credits in some subject other than education.
- 3. The academic major and minor may be selected from any subjects now recognized in the Colleges of Liberal Arts, Science, Fine Arts, or Business Administration, or such others as may be approved by the Faculty of the School of Education. Students may minor (but not major) in journalism. Students may major but not minor in physical education for women.
- 4. Part of the preparation in the academic major and minor should be completed before entrance to the School of Education.
- 5. No courses in education may be taken before the junior year, except that sophomores who have earned 65 quarter hours of credit may enroll in course 101, Introduction to Education.

6. Normal school graduates who are candidates for the bachelor's degree from the School of Education shall be required to take the following courses in education:

Secondary Education	119	Credits.
Teachers' Course in Special Subject		2
Educational MeasurementsSocial Surveys of Education	150	3 2
Electives in Education		5
	`	15

7. Experienced teachers who are candidates for the bachelor's degree from the School of Education shall be required to take the following courses:

	Credits.
Introduction to Education	5
Psychology of Teaching MethodsL1	5
Secondary Education1_4_	3
Teachers' Course in Special SubjectL'Q	2
Educational MeasurementsL \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Social Surveys of Education1 > >	2
Electives in Education	5
	25

8. Students in other colleges or schools of the University may elect courses in education according to conditions fixed by those colleges and not inconsistent with the regulations of the School of Education.

9. Students are allowed to combine, in preparation for teaching, courses from the departments of political science, sociology and economics, for the academic major or the academic minor. Such combinations must be approved by the Dean of the School of Education and the head of the department in which the academic major or minor is selected.

10. Courses in manual and industrial arts, or in those combined with drawing, will be accepted as an academic minor toward graduation from the

School of Education.

NEW REQUIREMENTS FOR NORMAL AND LIFE DIPLOMAS

The University is authorized by law to issue diplomas valid in the State of Washington as teachers' certificates to teach in any high school or to superintend or supervise in any public school of the state, as described below:

2. The University Five-Year Normal Diploma, valid for a period of five

calendar years from date of issue, is granted on the following conditions:

3. (a) Graduation from the University, (b) evidence of good health, such general scholarship and personal and moral qualities as give promise of success and credit in the teaching profession. Active professional interest in teaching is an important factor. The faculty of the School of Education may refuse to recommend candidates for the normal diplomas who fail to measure up to the foregoing standards. (c) Completion of the following courses in education:

	10.1	Credits
Introduction to Study of Education . Psychology of Teaching Methods	1/8	5
Secondary Education		3
Teachers' Course in Special Subject -		2
Practice Teaching		5

4. Graduates from the University of Washington with no credits in education who desire the five-year normal diploma shall be required to complete the following courses in education:

	Credits.
Psychology of Teaching Methods	5
Secondary Education	3
Teachers' Course in Special Subject	
Educational MeasurementsSocial Surveys of Education	
Practice Teaching	
1 lactice 1 cacining	
·	20

5. Graduates from other colleges who desire the five-year normal diploma shall be required to be in residence one academic year and to complete the following courses in education:

Psychology of Teaching Methods	110 Credits	Š.
Secondary Education Special Teachers' Course	119 3	
Educational Measurements Social Surveys	150 3	
Practice Teaching		
•	20	

They shall also be required to complete 10 credits in some teaching subject approved by the head of the department in which the academic major work is chosen.

- 6. The teachers' course in the academic major is required, if offered.
- 7. Graduates of the two-year course of state normal schools who subsequently graduate from this University and who become candidates for the University five-year-normal diplomas must earn in this University at least 15 credits in education as follows:

Complete Distriction	1	119	Credits.
Secondary Education Teachers' Course in Special	Subject		· 3 ····
Educational Measurements		150	3 -
Social Surveys of Education		152	2
Electives in Education			5
			_
•			-15

- 8. Normal School graduates must qualify for the University normal diploma or life diploma to be eligible to teach in high schools. The diplomas from the normal schools qualify the holders for elementary schools only.
- 9. Persons who have received the master's or doctor's degrees from this University are eligible to the University five-year normal diploma provided they have fulfilled the specific normal diploma requirements.
- 10. The University life diploma will be granted to candidates who fulfill the requirements for the University five-year normal diploma and who have completed:
- (a) At least one quarter of residence study subsequent to receiving the five-year diploma.
- (b) A minimum of 35 quarter hours in education, which may include a maximum of 5 hours in teachers' courses in special subjects.

- (c) A minimum of 5 additional quarter hours in an academic subject which will normally be the academic major or minor.
- (d) Who also furnish satisfactory evidence of having taught successfully for at least twenty-four months.
- 11. The life diploma will not be granted until candidates have taught at least one school year subsequent to receiving the normal diploma even though they have had twenty-four months of teaching experience.
- 12. No person shall be eligible to receive the degree, the normal diploma or the life diploma who has not been in residence at this University at least three quarters.
- 13. The use of education as the only recommended teaching subject (or major subject) is (for normal diploma) limited to cases of men and women in administrative positions whose undergraduate work shows a fair degree of preparation in two or more high school subjects. In all other cases, each candidate for the five-year normal diploma or life diploma must be recommended by at least one department besides education.

MINIMUM FOR DEGREE OF BACHELOR OF ARTS IN EDUCATION, OR BACHELOR OF SCIENCE IN EDUCATION, AND FIVE-YEAR NORMAL DIPLOMA

For High School Teachers

Regular Students	Normal School
University of Washington	Graduates
### Credits Introduction to the Study of Education	Secondary Education 3 Teachers' Course in Special Subject 2 Educational Measurements 3 Social Surveys in Education 2 Elective in Education 5

MINIMUM REQUIREMENTS IN EDUCATION FOR STUDENTS FROM OTHER COLLEGES

OF THE UNIVERSITY

For Five-Year Normal

Regular Students from Other Colleges of the University	Graduates from University of Washington with no Under- raduate Credits in Education	Gradates from Other Accredited Colleges with no Under- Graduate Credits in Education.
*Oredita	*Credits	*Oredita
of Education 5 Psychology of Teaching Method	ial Subject 2 Practice Teaching 144, 5 Educational Measurements 3	Psychology of Teaching Method
20	20	45
		One year of residence in this University These will presumably select work to apply on a master's degree.

^{*}Quarter Hours

DISTRIBUTION OF COURSES IN EDUCATION IN PREPARATION FOR SPECIAL TYPES OF POSITIONS. LEADS TO MASTER'S DEGREE.

Requirements in Education for Bachelor of Arts in Education, or Bachelor of Science in Education.

High School Principal	Grade School Principal	Village Superintendent	City Superintendent
*Credits	*Credits	*Credits	*Credits
Introduction to the Study of Educ. 5 Psych. of Teaching Method . 5 Secondary Education 3 Teachers' Course in Special Subject 2 Practice Teaching 5 Educ. Measurements 8 Electives in Education	Introduction to the Study of Educ. 5 Psych. of Teaching Method 5 Secondary Education 3 Teachers' Course in Special Subject 2 Practice Teaching Educ. Measurements 3 Electives in Education 2	Introduction to the Study of Educ. 5 Psych, of Teaching Method . 5 Secondary Education	Introduction to the Study of Educ. Psych. of Teaching Method . 5 Secondary Education
		25	25
ADDITIONAL	REQUIREMENTS IN E	DUCATION FOR MAST	ER'S DEGREE
funior High School 2 . High School Or-		Educational Sociology 5	
ganization 2 Psych. of High School Subjects 8 Educational Administration 6 Electives 9	Testing 6 Psych. of Elementary School Subjects 3 Educational Administration 6	Psych. of Elementary School Subjects 8 Educational Administration 6 Electives 8	Tests 5 Psych. of Elementary School Subjects 3 Educational Administration . 6
Thesis 6	Electives 5 Thesis 6	Thesis 6 28	Electives 6 Thesis 6

REQUIREMENTS IN EDUCATION FOR CANDIDATES FOR SPECIAL POSITIONS AND FOR DEGREE OF DOCTOR OF PHILOSOPHY

Requirements in Education for Bachelor of Arts in Education, or Bachelor of Science in

College Instructors in	Normal School Instructors in	
Education	Education	Research
*Oredits	*Oredits	*Credits
Introduction to the Study	Introduction to the Study	Introduction to the Study
of Education 5	of Education 5	of Education 5
Psych. of Teaching Method 5	Psych. of Teaching Method 5	Psych. of Teaching Method 5
Secondary Education 3	Secondary Education 8	Secondary Education 3
Teachers' Course in Special Subject 2	Teachers' Course in Special Subject 2	Teachers' Course in Special Subject 2
Practice Teaching 5		Practice Teaching 5
Educ. Measurements 3	Educ. Measurements 3	Educ. Measurements 3
Electives in Education 2	Electives in Education 2	Electives in Education 2
	. =	
25	25	25
Elect, 60 hours from the	Elect, 60 hours from the	
following: (thesis required)	following: (thesis required)	following: (thesis required)
Educational Sociology 8	Educational Sociology 3	Educational Sociology 3
Educational Administration. 6	Educational Administration 6	Educational Administration 6
Individual Mental Testing 6 Psychology of Elementary	Individual Mental Testing . 6 Psychology of Elementary	Individual Mental Testing. 6 Psychology of Elementary
School Subjects 8	School Subjects 8	
Psychology of High School	Psychology of High School	Psychology of High School
Subject 3	Subjects	
Junior High School 2	Junior High School 2	Junior High School 2
Child Study or Adolescence. 5	Child Study or Adolescence 5	Child Study or Adolescence 5
Group Intelligence 5	Group Intelligence Tests 5	Group Intelligence Tests 5
Experimental Education 3	Experimental Education 5	Experimental Education 3
History of Education 5	History of Education 5	History of Education 5

^{*}Quarter Hours

*Oredits	*Credits	*Credit
Seminar, Vocat'nal Guidance 6 Seminar, School Survey 6 Seminar, Educational Measurements 6 Philosophy of Education 6 Seminar, Comparative Education 6 Seminar, Comparative Education 6 Electives 8 Thesis 30	Seminar, Vocat'nal Guidance 6 Seminar, School Survey 6 Seminar, Educational Measurements 6 Philosophy of Education 6 Seminar, Educational Sociology 6 Seminar, Comparative Education 6 Electives 8 Thesis 30	Seminar, Vocat'nal Guidance Seminar, School Survey Seminar, Educational Measurements Philosophy of Education Seminar, Educational Sociology Seminar, Comparative Education Electives Thesis
120	120	12

^{*}Quarter Hours

REQUIREMENTS FOR ACADEMIC MAJORS AND MINORS AND DEPARTMENTAL RECOMMENDATIONS FOR THE NORMAL AND LIFE DIPLOMAS

"An academic major consists of 35 credits in some subjects other than education,

"An academic minor consists of from 20 credits in some subject other than education."

In a few cases more than the minimum number of credits are required by a department because the first courses listed are in reality high school courses. If students have high school credits in these subjetcs the minimum of 35 college credits will suffice.

Below are listed the courses specified by the various departments for the academic majors and minors in the School of Education. Those who expect major or minor recommendations by the academic departments for teaching or on the normal or life diplomas, as required by the State Board of Education, should comply with the requirements made by the various departments. However, the academic major or minor graduation requirements will be fulfilled with the minimum of 35 or 20 credits respectively. For descriptions of the courses see the respective department statements.

ASTRONOMY

Academic Minor (major not offered): Courses 1, 2, 112, 123, 131. It is recommended that students who wish to combine astronomy with mathematics or physics add course 172.

BACTERIOLOGY

Academic Major: Courses 101, 102, 103, 104, 106, and 9 hours selected from 210-211-212, 213-214-215; total 36 credits.

Academic Minor: Course 101, 102, 103, and from numbers above 200 enough to total 20 credits.

BOTANY

Academic Major: Minimum 35 credits, including courses 105, 106, 107, and 140, 141, 142, or 143, 144, 145.

Academic Minor: Minimum 20 credits of which at least 15 credits should be in courses above 100. For a minor recommendation to teach botany at least 25 credits.

Major students in botany should take at least a year of chemistry.

CHEMISTRY

Academic Major: Courses 21-22-23, 101, 111, 131-132; minimum 35 credits.

Academic Minor: Courses 21-22-23, 101, 111, or (131-132); or course 5-6, 135-136; minimum 20 credits. To be recommended to teach the subject the student must add 23 or 101; total 25 credits.

For the minor, students' should have had at least high school physics; for the major they should have a year of college physics. Grades must average at least C to secure a recommendation for teaching chemistry.

CIVICS

Academic Major, combining Political Science, Sociology and Economics: Political Science, Sociology, Economics 1, and one of the following groups: Political Science, 60, 100, Political Science, electives; Sociology 29, 51, 55, 56, 60; Economics 57, 61, 105, 160; minimum 35 credits.

Academic Minor: Political Science 1, Economics 1, Sociology 1, and 5 (for teaching recommendation 10) additional from one of the three subjects; minimum 20 credits.

CLASSICAL LANGUAGES AND LITERATURE

Academic Minor in Latin: Latin 21, 22, 23, two of 50, 60, 70; 107. Total 108 or 109. Greek 1 and 2. Total 32-36 credits.

Academic Minor in Latin: Latin 21, 22, 23, two of 50, 60, 70; 107. Total 24-28 credits.

Academic Major in Greek: Greek 1, 2, 3, 4, 5, 101-102-103; Latin 10 credits. Total 37 credits.

Academic Minor in Greek: Greek 1, 2, 3, 4, 5. Total 21 credits.

COMMERCIAL TEACHING

See Economics and Business Administration.

DRAMATIC ART

Academic Major: Courses 1-2-3, 21-22-23, 101-102-103, 111-112-113; total 45 credits.

Academic Minor: Courses 1-2-3-, 21-22-23, 101-102-103; total 30 credits.

DRAWING

Academic Major: Courses 5-6-7, 9-10-11, 16-17-18, 101, 153, and either 53-54-55, or 103-104 or 105-106; total 36 to 42 credits.

Academic Minor: Courses 5-6-7, 9-10-11, 16-17-18, 101, 533; total 30 credits.

ECONOMICS AND BUSINESS ADMINISTRATION

Academic Major: Courses 1, 57, 61, 105, 160; electives to total minimum of 35 credits.

Academic Minor: Courses 1, 57, 61; electives to total minimum of 20 credits.

See also Civics for combinations with Political Science and Sociology.

COMMERCIAL TEACHING

Academic Major; Courses 11, 12, 54, 55, 65 1837; minimum 35 credits. If more are elected 101-102 is recommended.

Academic Minor: Courses 11, 12, 64, 65; minimum 20 credits.

Shorthand and typewriting are almost absolutely necessary for commercial teaching in high school and should be taken although no college credit is given.

ENGLISH

Academic Major; Freshman composition, teachers' course 188-189, senior conference 191-192-193, electives to total 35 credits, exclusive of freshman composition.

Academic Minor: 20 credits exclusive of freshman composition. For either a major or a minor it is desirable to divide the time between the extensive courses which give broad surveys and the intensive courses which deal critically with limited periods or movements.

FINE ARTS

(See Drawing and Music.)

GEOLOGY

Academic Major: Courses 1 or 12, 2, 10, 11, 21, 31, 116, 120; minimum 36 credits.

Academic Minor: Courses 1 or 12, 2, 21; minimum 20 credits.

GERMANIC LANGUAGES AND LITERATURE

Academic Major: Minimum 35 credits, including Education 160 G. course 160-161-162.

Academic Minor: Minimum 20 credits.

Major Recommendation for teaching, at least 27 credits in courses above 100, including Enducation 160.G.

HISTORY

Academic Major: Minimum 35 credits, including course 1-2. Electives on advice of the head of the department.

Academic Minor: Minimum 20 credits, including 1-2, or 5-6, or 57-58 Electives on advice of the head of the department.

HOME ECONOMICS 40

Academic Major: Courses 4, 5-6, 7, 8, 25, 107-108, 112-113, 143, 144-145, 148; total 56 credits.

Academic Major in Food and Nutrition: Courses 4, 5-6, 7, 43 or 144, 107-108, 145, 148; total 39 credits.

107-108, 145, 148; total 39 credits.

Academic Minor in Food and Nutrition: Courses 5-6, 7, 107-108, 145;

Academic Minor in Textiles and Clothing: Courses 7, 8, 25, 112-113, 143, total 26 credits.

Academic Major in Textiles and Clothing: In addition to the minor 148, and at least 8 credits from 130, 133, 135; total 36 credits.

English of Thesp

total 28 credits.

igus Call

TOURNALISM

Academic Minor: Courses 51, 75, 101, 120, 150; total 25 credits.

Academic Major in Journalism not offered in the School of Education.

Academic Major: Minimum 35 credits, including courses 5, 109.

Academic Minor: Minimum 20 credits, including courses 4, 5.

MUSIC: (PUBLIC SCHOOL)

Academic Major: Courses 1-2-3, 4-5-6, 7-8-9, 14-15-16, 51-52-53, 54-55-56 113-114-115 total 45 credits.

Academic Minor: Courses 1-2-3, 7-8-9, 14-15-16, 54-55-56; total 24 credits.

PHILOSOPHY

Academic Major: Minimum 35 credits, including course 101-102-103. Academic Minor: Minimum 20 credits, including course 101-102-103.

PHYSICAL EDUCATION FOR WOMEN

Academic Major: Total of 45 credits including physical education 101-102-103, 104-105-106, 111-112-113, 131-132-133, 154-155-156, 170-171. Education 160.R. Practice Teaching, Education 145 is additional in all cases except by exemption by head of department of physical education. Electives chosen to suit the different needs under the advice of the head of the department of physical education, and the dean of the School of Education and 101-102-103, Physiology 54-55 are prerequisites for certain foregoing courses in anatomy or physiology.

Students desiring to prepare for Community Recreation and Leadership may select the following combination for an academic major in the department of physical education:

Academic Major: Dramatic Art 31; Sociology 1, 55, 57, 62; Drawing 169, 170, 171; Physical Education 104-105-106, 111-112-113, 154-155-156, 167, 169, 170-171-172, 173; minimum 34 credits. Substitutions in sociology and fine arts may be made with the approval of the head of the department of physical education.

(Anatomy or physiology not required for the courses in physical

education mentioned in the foregoing paragraph.)

PHYSICS

Academic Major: Courses 1, 2, 3, and not less than 20 credits from other courses under 200; minimum 35 credits.

Academic Minor: Courses 1, 2, 3, and not less than 5 credits from other courses under 200; minimum 20 credits.

Recommendation as a major or minor for the normal diploma same as the foregoing with all grades above C.

POLITICAL SCIENCE

Academic Major: Courses 1, 25 60, 100, and electives to make minimum of 35 credits. WOW 130

Academic Minor: Courses 1, 46, 60, 100, minimum 18 credits.

For teaching civics, courses in history, economics and sociology are de-

sirable as supporting subjects. See also civics for combinations with economics and sociology.

PSYCHOLOGY

Academic Major: Courses 1, 101, 106, 109, 111, 112, 114, 124 and electives to make a minimum of 35 credits. 6 when the course of the course of

Academic Minor: Courses 1, 106. 112, 114, and electives to make a

minimum of 20 credits.

Recommendations for the normal diploma are made on the bases of quality rather than merely the required number of credits. Only high grade students can be recommended because of the specialized character of psychology work as a teaching subject.

ROMANIC LANGUAGES AND LITERATURE

Academic Major: Minimum of 35 college credits in one language.

Academic Minor: Minimum of 20 college credits in one language.

Recommendation for Teaching French: Courses 1-2-3, 4-5-6, 7-8-9, 41, 101-102-103, 158, 159, 160.T, electives from literary courses 10 credits; total 59 credits.

Recommendation for Teaching Spanish: Courses 1-2-3, 4-5-6, 7-8-9, 101-102-103, 159, electives from literary courses 10 credits; total 55 credits.

In many cases a part of the French or Spanish courses may have been

taken in high school.

The distinction between major and minor recommendations for teaching French or Spanish are determined upon the basis of quality rather than quantity.

SCANDINAVIAN LANGUAGES AND LITERATURE

Academic Major: Minimum 35 credits.

Academic Minor: Minimum 20 credits.

Suggested minors in Swedish: Courses 1-2-3, 4-5-6, 23-24-25; minimum 21 credits.

Suggested minor in Norwegian courses 10-11-12; 13-14-15; 20-21-22.

Because of the diversity of previous preparation it will be necessary to consult the head of the department in each case.

SOCIOLOGY 5 - Children

Academic Major: Courses 1, 52, 55, 56, 60, and electives to make a minimum of 35 credits.

Academic Minor: Courses 1, one from above, and electives to make a minimum of 20 credits.

Electives may be along one of three lines, viz: anthropology, social theory or social problems. Important basic and supplementary subjects, zoology, psychology, statistics, political science.

See civics for combination with economics and political science.

ZOOLOGY.

Academic Major: Courses 1-2 or 54-55 and electives to make a minimum of 35 credits.

Academic Minor: Courses 1-2 or 45-55 and electives to make a minimum of 20 credits.

Courses

For description of courses, see Departments of Instruction, printed elsewhere in this catalogue. (See Index).

LIBRARY SCHOOL

THE FACULTY

HENEY SUZZALIO, Ph.D. (Columbia), LL.D. (California),
JOHN THOMAS CONDON, I.L.M. (Northwestern),DEAN OF FAGULTIES
WILLIAM ELMER HENEY, A.M. (Indiana),Professor of Library Science; Director
CHARLES WESLEY SMITH, A.B., B.L.S. (Illinois), Associate Professor of Library Science
ELLEN F. Howe, A.B. (Washington), Graduate in Library Science (Washington), Certificate (Carnegie Library School),
ROBINSON SPENCES, A.B. (Wesleyan University), B.L.S. (Illinois),
MARIE SMART ALFONSO, A.B. (Nebraska), B.S. in L.S. (Washington)

GENERAL STATEMENT

The Library School is a professional school offering opportunity for edu-

cation in librarianship.

west have 60 40 the (and less the

Being an educational institution, the library should not be entrusted to persons of merely elementary acquirements. Its conduct requires a larger and more comprehensive educational equipment and outlook than can be had with less than that signified by the bachelor's degree.

The technical curriculum extends through three quarters—short in comparison with the academic curriculum, because the general educational equipment of the librarian is of larger significance than the technical education, but

neither is sufficient without the other.

Graduates of the School are competent to take charge of a small public library or to take an assistant's place in any department of the larger libraries. After a reasonable experience in either of these positions, they have shown themselves competent to conduct libraries of medium size with excellent success.

ADMISSION

Admission is granted as follows:

1. To graduate students who hold the baccalaureate degree from any college or university of good standing, whose undergradute work in either or both high school and college has included the equivalent of at least twenty college credits in each of two modern foreign languages, German and French preferred. Slight deficiencies in the languages, however, may be accepted as conditions, but must be removed within the period of study in the Library School. Upon the completion of forty-six credits in library science, and the removal of any language conditions, the candidate will be granted the degree of bachelor of science in library science.

2. To students who have qualified for senior standing in the College of Liberal Arts on in the elective curricula in the College of Science—having earned 145 credits, including 10 credits in military science or physical education and including all required work. Such students may finish the curriculum in three quarters, provided they meet the language requirements prescribed in paragraph one above. The completion of forty-six credits in library science shall constitute and satisfy the requirements for the degree of

bachelor of arts.

ADVISORY SUGGESTIONS

Before entering the School the student should be a typist of accuracy and fair speed.

No one with serious physical defects or in ill health can readily secure a position in library service, therefore such persons should not ask admission to the School.

Persons beyond thirty years of age are advised not to enter the School unless they have already had experience in library service.

CURRICULA IN LIBRARY SCIENCE

•	Credits	
Order routine, trade bibliography, and circulation	2	
Classification and subject headings	3	
Cataloging		
Reference	6	. i
History of books and libraries	2	1 10
Organization and extension	2	4
Administration	3	
Subject bibliography	2	
Book selection	7	
Work with children and schools		
Special lectures		
Practice (300 clock hours)	10	

Each recitation or lecture period presupposes two hours preparation and twelve such periods are counted as one credit, and thirty clock hours of practice are counted as one credit.

Practice.—Practice under careful supervision covers 300 clock hours, fifteen hours per week through ten weeks each during the winter and spring quarters.

The practice time is divided about equally between the University Library and the Seattle Public Library.

The Seattle Public Library offers rather unusual opportunities for students to practice in varied phases of work under careful supervision of trained librarians of large experience.

Courses

For description of courses, see Departments of Instruction, printed elsewhere in this catalogue. (See Index).

COLLEGE OF BUSINESS ADMINISTRATION

THE FACULTY

HENRY SUZZALLO, Ph.D., (Columbia), LL.D. (California),
JOHN THOMAS CONDON, LL.M. (Northwestern), DEAN OF FACULTIES
STEPHEN IVAN MILLER, JR., A.B. (Stanford), LL.B. (Michigan), Professor of Economics; DEAN
LESLIE JAMES AYER, B.S., J.D. (Chicago), Professor of Law
THOWAS L. KIRLER Ph.D. (George Washington University)
Professor of Business Administration
HOWARD T. LEWIS, M.A. (Wisconsin), Professor of Business Administration
JAMES E. GOULD, A.M. (Harvard)Professor of Maritime Commerce; Dean of Men
HOWARD H. PRESTON, Ph.D. (IOWL), Professor of Business Administration
VANDEVEER CUSTIS, Ph.D. (Harvard), Associate Professor of Business Administration
HARRY E. SMITH, Ph.D. (Cornell)Associate Professor of Business Administration
WILLIAM D. MORIAETY, Ph.D. (Micbigan), Associate Professor of Business Administration
WILLIAM E. Cox, A.M. (Texas) Associate Professor of Business Administration
THERESA S. McMahon, Ph.D. (Wisconsin), Assistant Professor of Business Administration
*Mact M. Skinner, Ph.D. (Harvard)
JAMES M. McConaher, M.A., (Washington and Jefferson), LL.B. (Northwestern), C.P.A.
Lecturer in Accounting
PIERCE C. DAVIS, C.P.A., Lecturer in Accounting
J. P. ROBERTSON, C.P.A., Lecturer in Accounting
W. B. HENDERSON, Lecturer in Business Administration
HOMER E. GREGORY, A.M. (Chicago), Instructor in Business Administration
KARL B. Leib, A.B. (Stanford)Instructor in Business Administration
OSCAR E. DRAPER, Instructor in Business Administration
J. G. Driscoll, Jr., A.B. Li.B., (Stanford)Instructor in Business Administration
V. V. TARBILL, M.B.A. (Harvard), Instructor in Business Administration
F. H. HAMACK, Instructor in Business Administration
WILLIAM A. RUSSELL, Acting Instructor in Business Administration
HORACE D. McGirr
FRANK C. VAN DE WALKER, A.B., Associate in Business Administration
RAYMOND F. FARWELL, A.B., (Culifornia)Associate in Maritime Commerce
·

Empreyaya M. Danayana Dh.D. (Wala). Dundayan of Theoligh. Days of the Configura School
FREDERICK M. PADELFORD, Ph.D. (Yale), Professor of English; Dean of the Graduate School
EDWARD McMahon, A.M. (Wisconsin)Associate Professor of American History
WILLIAM SAVERY, Ph.D. (Harvard), Professor of Philosophy
ROBERT EDOUARD MORITZ, Ph.D. (Nebraska), Ph.N.D. (Strassburg), Professor of Mathematics
HENRY KREITZER BENSON, Ph.D. (Columbia)
CARL EDWARD MAGNUSSON, Ph.D. (Wisconsin), E.E. (Minnesota),
FREDERICK ELMER BOLTON, Ph.D. (Clark),
Professor of Education; Dean of the School of Education
EFFIE ISABEL RAITT, A.M. (Columbia), Professor of Home Economics
STEVENSON SMITH, Ph.D. (Pennsylvania)Professor of Psychology
TOLOUING PRILANCE AND COMMUNE ACCIONANCE

TEACHING FELLOWS AND STUDENT ASSISTANTS

A. P. TROW, A.B.,	Teaching Fellow in Business Administration
W. E. DICKERSON, B. A.,	Teaching Fellow in Business Administration
G. I. BUTTERBAUGH, B.A.,	Teaching Fellow in Business Administration
E. L. BLAINE,	Teaching Fellow in Business Administration
L. L. NEWMAN,	Student Assistant in Business Administration
F. W. WOODBRIDGE	Student Assistant in Business Administration
O. B. WERNER	Student Assistant in Business Administration
R. H. LAMONT	Student Assistant in Business Administration

GENERAL STATEMENT

Modern business has reached the stage where internal and external economics must be realized. The industrial management of today seeks to reduce waste in materials and labor, and to promote the most effective organization of the factors of production. Such a task requires not only special knowledge, but also vision of the highest order.

A knowledge of accounting, statistics, labor efficiency, resources, credit, insurance, business law and organization, is fundamental for a proper understanding and an intelligent direction of our modern industrial system. Such studies as psychology, sociology, government, ethics, and history provide the larger equipment necessary for dealing with this industrial system in its

proper perspective and its social relationships.

The establishment of a well-ordered plant is the basis of a strong position in production. Just as important is the problem of successfully moving the product to the consumer. Markets are no longer local, but national and even international. Every business man has occasion to study salesmanship, advertising, transportation routes and rates, banking, exchange, tariffs and government regulation. The more extended state control of industry especially is calling for unusual ability to cooperate.

The College of Business Administration aims to train students to meet

the general as well as the specific problems of modern industry.

REQUIREMENTS FOR ADMISSION

Full information regarding requirements for admission, registration, and expenses may be found on pages 40, 48, 49.

Additional Requirements.—The faculty of the College of Business Administration reserves the right to ask for additional work from students who present such irregular or specialized credit as to constitute an insufficient basis for high standard in their college subjects.

GRADUATION

Degrees.—The College of Business Administration is a professional college. Its graduates receive the degree of bachelor of business administration. The degree of bachelor of business administration will be conferred upon any student who has fufilled the entrance requirements and who presents 190 credits in subjects required or approved by the faculty of the Col-

lege of Business Administration.

The degree of master of business administration will be conferred upon students who complete in a satisfactory manner an approved course ordinarily requiring three quarters of advanced work beyond that required for the bachelor's degree. Students will not be advised to do graduate work unless they have shown unusual ability in their previous courses. Graduate courses must be selected after consultation with the head of the department in which the student is doing his major work and the approval of the dean of the College of Business Administration.

Students entering from other colleges and universities must satisfy not only the general requirements of the University, but also the requirements of

the College of Business Administration.

Not less than three-fourths of the credits required for graduation must be earned with grades of A, B, or C.

CURRICULA

All students in the College of Business Administration must have their selection of courses approved each quarter by a member of the college faculty. The College requires the following courses:

•	FIRST YEAR	
•		redit
В. А. 1	General Economics. Autumn, winter, spring, summer. Lecture and discussion groups. Five hours	5
- B. A. 7 1	Economic Resources of the World. Autumn, winter, spring, summer	r.
	Five hours	5
	Elementary Accounting. Autumn, winter, spring, summer. Two quarters	10
Math. 11-12	Mathematical Theory of Investments. Autumn, winter, spring, summer. Two quarters	10
*Eng. 1-2	Written and Oral English. Autumn, winter, spring, summer. Two	10
-	quarters	10
Psych. 1	Elements of Psychology. Autumn, winter, spring, summer. Five hours	5
		45
	SECOND YEAR	40
_		
` History	Nine or ten hours. Two quarters required	
B. A. 57	Business Law. Autumn, winter, spring, summer. Three quarters	•
D. 21. 0500-00	required	9
B. A. 61	Social and Reconomic Standards of Living, or Sociology I. Autumn,	_
75.42.40	winter, spring, summer	5
Math 13	elective in some other college if approved by the Dean	5
	Approved electives. Ten hours of accounting or equal number of hours	•
	in other colleges than that of Business Administration, 11 or	12
		45
	THIRD YEAR	40
/		
Pol. Sci 1	Elements of Government. Autumn, winter, spring, summer. One quarter required	5
	Approved electives 40 hours	40
		_
	· · · · · · · · · · · · · · · · · · ·	45
	FOURTH YEAR	
Phil. 2	Introduction to Social Ethics. Autumn, winter, spring, summer. One	
B. A. 160	Advanced Economics. Autumn, winter, spring, summer. One quarter	
Б. д. 100	required	5
Pesearch	Five hours in selected major department 30 credits of approved electives	30
		45
The rea	mirements of the first two years are made sufficiently b	rna

The requirements of the first two years are made sufficiently broad to establish a foundation for the profession of business, regardless of the particular field in which the student may later be interested.

No student is allowed to enter the junior-senior courses of the College of Business Administration unless he has reached at least junior standing

and satisfied the prerequisites to these courses.

The prerequisites to the junior-senior courses have been established after the most careful consideration of the standard of efficiency and performance aimed at in the course, and the educational value which the course might have for the student. It has been decided that to admit students who have not completed the carefully arranged prerequisites would imperil not only the quality of the work of the instructor, but also would make it impossible for the students to gain the full benefit of the course. But the college realizes that certain just claims to exceptions from above rules could be presented, and has decided that exceptions can be granted to those students whose maturity and extended experience in economic affairs of a suitable nature make it just and reasonable. Proof of these experiences and qualifications will be passed upon by the dean of the College of Business Administration.

The junior and senior years are, in a large part, reserved for the student's selected field of business interest. Each student or group of students will be guided and assisted by the instructor designated for that department of work, under the general direction of the dean of the College of Business

Administration.

^{*}If not credited, substitution of approved electives in Colleges other than the College of Business Administration.

Fields of Training.—The following fields of business training are suggested:

Transportation Accounting Maritime Commerce Foreign Trade Business Finance Industrial and Employment Management 8. 9. 10. Marketing and Sales Insurance Secretarial Work Merchandising 11. Commercial Teaching 12. Advertising

SUGGESTED COURSES FOR THE PROFESSIONAL FIELDS

In the first year the student fulfills the standardized requirements (see pages 43-45).

For the second, third, and fourth years the following courses are suggested.**

ECONOMICS

Those students in Liberal Arts choosing economics as their major, should consult with the head of the department or the professor in charge of Advanced Economics with regard to a proper selection of courses. The following courses in the College of Business may be regarded as available for such students.

· 1.	General Economics	159.	Advanced Money and Banking
2.	Economics for Engineers	160.	Advanced Economics
57.	Money and Banking	161.	American Labor Problems
58.	Risk and Insurance		European Labor Problems
61.	Social and Economic Standards		Labor Legislation (3 hours)
104.	Economics of Transportation	165.	Economics of Consumption (2 hours)
105.	Business Organization		Women in Industry
106.	Economics of Marketing	168.	History of Economic Thought
121.	Corporation Finance	*169.	Economics of Distribution
123.	Investment and Speculation	201.	Graduate Seminar
127.	Foreign Exchange	205.	Economic Problems
		207.	Seminar in Labor

MARITIME COMMERCE

The suggested curriculum in Maritime Commerce is intended to give preliminary training for the steamship business. After the first year of residence students will be assigned to apprenticeships so that they can alternate quarters of attendance with quarters of office practice and sea service. For details of the apprenticeship plan students should consult with the Maritime Commerce Department.

In addition to the regular requirements of the College of Business Administration the following courses are prescribed for a major in Maritime Commerce: Ship Operation: Paper Work in Shipping: Navigation: Risk and Insurance; Marine Insurance; Water Transportation; Ports and Terminals: Shipping and Consular Regulations; Admiralty Law.

Except for the requirements of the College of Business Administration and of the major, the following outline is merely suggestive. Numbers refer to quarters of residence; e. g., fifth quarter means fifth quarter at the University, exclusive of time spent as apprentices.

General Economics 5 Economic Resources of the World 5	History 5	English II 5
Accounting 5		

^{**}No student will be permitted to specialize in a field of work without having had his schedule approved by the major professor in charge of that field.

*Not given in 1922-1923

108 U	108 University of Washington		
Fourth Qurter Credits Ship Operation 5 Risk and Insurance 5 Business Law 8 Typewriting 0 Or Elective 2	Fifth Quarter Credits Paper Work in Shipping 5 Money and Banking 5 Business Law 5 Typewriting 0 Or Elective 2	Sixth Quarter Oredits Navigation 5 Theory of Statistics 5 Business Law 3 Typewriting 0 Or Elective 2	
Seventh Quarter Credits Economics of Markets. 5 Political Science 5 Electives 7	Business Insurance 5 Business Correspondence 5 Business Statistics 5 Electives 2	Ninth Quarter Oredits Water Transportation 5 Philosophy II 5 Electives 6	
Tenth Quarter Credits Admiralty Law 8 Ports and Terminals 3 Employment Management 5 Exporting and Importing 5	Eleventh Quarter Credits Advanced Economics 5 Research 5 Foreign Trade 5	Twelve Quarter Oredite Shipping and Consular Reg- ulations	
	ACCOUNTING		
	SECOND YEAR		
Second Year Accounting, 10 Credits			
THIRD YEAR			
Autumn Quarter Credits	Winter Quarter Oredits	Spring Quarter Credits	
Advanced Accounting 5 Buusiness Organization 5 Political Science 5	Advanced Accounting 5 Corporation Finance 5 Banking Practice 5	Commercial Credits 5 Business Statistics 5 Investments and Speculations 5	
FOURTH YEAR			
Cost Accounting and Installation	Auditing Practice and Professional Ethics 5 Industrial and Employ- ment Management 5 Office Management 5	Income Tax and CPA 5 Advanced Economics 5 Research in Accounting 5	
BUSINESS FINANCE			
	SECOND YEAR		
Second Year Accounting, 10 Credits			
THIRD YEAR			
Autumn Quarter Oredits Business Organization 5 Foreign Exchange 5 Political Science 5	Corporation Finance 5 Banking Practice 5 Social Ethics 5	Spring Quarter Credits Investments and Speculations	
Westernier of Westernands	FOURTH YEAR	Advanced Money and	
Economics of Transportation	Railroad Finance 5 Research in Business Finance 5 Approved Electives 5	Advanced Money and Banking 5 Advanced Economics 5 Approved Electives 5	
INDUSTRIAL AND EMPLOYMENT MANAGEMENT			
SECOND YEAR			
Second Year Accounting, 10 Credits			
THIRD YEAR			
Autumn Quarter Oredits Business Organization 5 Economics of Markets 5 Economics of Advertising 5	Winter Quarter Credits Corporation Finance 5 Sales Management 5 Advanced Accounting 5	Spring Quarter Oredits Business Statistics 5 Political Science 5 Advanced Accounting 5	

FOURTH YEAR

Autumn Quarter	Oredita	Winter Quarter	Credits	Spring Quarter	Oredite
American Labor lems Cost Accounting . Plant Construction	5	Industrial and ment Manager Ethics Advanced Econo	ment 5	Commercial Credits Investments and Sp tions Research in Indu and Employment agement	ecula- 5 estrial Man-

MARKETING*

THIRD YEAR

• •					
Autumn Quarter	Credits	Winter Quarter	Oredita	Spring Quarter	Oredite
Economics of T tation Economics of M Economics of A ing	arketing 5 Advertis-	Corporation Finance Sales Management Political Science .	5	Business Statistics Commercial Credits Electives	5

FOURTH YEAR

Advanced Money and Banking	Advanced Economics 5 Trade of Europe 5 Industrial Management 5	History of Economic Thought
and Advertising 5		

*Students in Marketing, Merchandising and Advertising should consult with the head of that department as early as possible in their college course, especially if they have in mind some phase of this subject in which they desire to specialize. For students in merchandising and advertising there are electives in Home Economics, Journalism and Painting, Sculpture and Design which need to be fitted into their program, and conflicts in hours may result if these electives are too long delayed. For students who desire to specialize in the Marketing of Lumber not only B.A. 109 but Forestry 6, 126, 153 and 157 are highly desirable.

MERCHANDISING

FIRST YEAR

	Autumn Quarter Credits	Winter Quarter	Oredite	Spring Quarter	Credits
•	General Economics 5 Economic Resources 5 Psychology 5	English Accounting Approved Electives	5	English	5
		SECOND YEAR			
	Business Law 3 Money and Banking 5 Textiles 3 Industrial History 5	Business Law Social and Econom Standards Industrial History	nie 5	Business Law Theory of Statistics Home Furnishing . Approved Electives	5
		THIRD YEAR			•
	Economics of Marketing 5 Economics of Advertising 5 Approved Electives 5	Sales Management Political Science Approved Electives	5	Ethics	5

FOURTH YEAR

During the senior year the student will spend alternate quarters on full time in the merchandising field in which he desires to specialize. (See general statement of Apprenticeships in Marketing, Merchandising, and Advertising). The program for the other quarters of the senior year will be made up of approved electives chosen with reference to his special field, only advanced economics being required of all.

Autumn Quarter

ADVERTISING

THIRD YEAR

Autumn Quarter Credit Advanced Composition 5 Economics of Marketing . 5 Economics of Advertising 5 Approved Electives 2	Winter Quarter Oredita Advanced Composition . 5 Sales Management 5 Corporation Finance 5 Electives 2	Spring Quarter Credite Business Statistics 5 Commercial Credits 5 Political Science 5
•	FOURTH YEAR	
Trade of Far and Near East	Trade of Europe 5 Advanced Economics 5 Typography of Advertising 2 Research in Marketing and Advertising 8	Trade of Americas 5 Electives 5 Typography of Advertis- ing 2 Research in Marketing and Advertising 3

TRANSPORTATION

Majors in Transportation should work out their complete four year course after consultation with the head of the department. The group of subjects chosen will vary in accordance with the interest of the student. No effort is made here to fit a complete course for transportation majors upon the minimum requirements as stated on page 106.

SECOND YEAR

Oredits Spring Quarter

Credita

Oredits Winter Quarter

Advanced Composition 5	Advanced Composition 5	•••••				
	THIRD YEAR					
Economics of Transporta- tion	Railroad Finance and Administration 5 Banking Practice 5 Marine Insurance 5	Business Statistics 5 Water Transportation 5 Commercial Credits 5				
	*FOREIGN TRADE					
THIRD YEAR						
Spring Quarter Credits	Winter Quarter Oredits	Spring Quarter Credits				
Economics of Transportation	Marine Insurance 5 Political Science 5 Electives 5	Commercial Credits 5 Economics of Advertising 5 Business Statistics 5				
	FOURTH YEAR					
Exporting and Importing 5 Commercial Policies 5 Advanced Economics 5	Trade of Far and Near East	Rail and Marine Rates 5 Trade of Americas 5 Social Ethics 5				

INSURANCE

Second Year Accounting, 10 Credits

THIRD YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Oredits
Risk and Insurance: Business Organization Contracts	5	Political Science Office Management Contracts	5	Life Insurance Business Statistics Agency	5

^{*}At least two years of modern foreign language will be required of all majors in Foreign Trade unless they are specifically exempted from the requirement.

FOURTH YEAR

Autumn Quarter Credit Fire Insurance 5 Advanced Economics 5 Social Ethics 5	Winter Quarter Credit Marine Insurance 5 Corporation Finance 5 Business Administration 5	Spring Quarter Oredit Real Estate and Casualty Insurance 5 Research in Insurance 5 Insurance Law 5				
SECRETARIAL WORK						
THIRD YEAR						
Autumn Quarter Credita Political Science 5 Secretarial Training 5 Business Organization 5	Winter Quarter Credits Office Management 5 Electives 10	Spring Quarter Credits Social and Economic Standards 5 Electives				
Advanced Economics 5 Research in Secretarial Training 5 Electives 5	Business Administration 5 Ethics 5 Electives 5	Electives15				

COMMERCIAL TEACHING

SECOND YEAR

Second Year Accounting, 10 Credits

THIRD VEAR

			THIRD YEAR			
	Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
-101	Political Science Principles of Education Secretarial Training	a 5	Office Management Electives		Business Organiza Business Statistics Electives	5
			FOURTH YEA	R		
	Social Ethics		Advanced Economics Electives		Commercial Tea Course Practice Teaching Electives	5

GENERAL INFORMATION

Textbooks—Syllabus Fees.—Many courses in the College of Business Administration require a textbook, in a few instances more. The faculty aims to keep the textbook expense as low as is consistent with a high standard of class work.

Syllabus or consultation fees are asked in all except research courses. The service rendered in either case is necessary and valuable. With the exception of courses in accounting this fee has been fixed at \$1.50 a course. A fee of \$10 will be asked for any one quarter of instruction in shorthand or type-writing, as these are not a part of the regular curriculum and must finance themselves.

Library Facilities.—The college is placing in the library a large number of supplementary books. For many years government reports, containing a vast amount of material for the student of business, have been filed in the library. Most of the domestic journals in economics and commerce, as well as many foreign ones are received by the college. Each student is expected to make use of the material and report from time to time on current topics of interest.

Student Organizations.—Three professional societies with national affiliations have been established at the College of Business Administration. Beta Gamma Sigma and Alpha Kappa Psi are professional fraternities for men which at present count chapters in many eastern institutions. Membership

is based upon high scholarship. Their aim is to further serious study of business problems. Phi Sigma Chi is a similar organization among the women majoring in business administration. Its purpose is not social, but professional, and membership is restricted to candidates for the B.B.A. degree. A number of prominent business women in Seattle and eastern cities are honorary members. The parent chapter of Pan Xenia, an honor society for majors in foreign trade, was founded two years ago at the University of Washington and bids fair to play an important part in the future of our foreign trade department.

Required Military Science and Physical Education.—The University requirements in military science, physical education and hygiene are satisfied as follows:

Men students.—Freshmen and sophomores, five hours of military science per week.

Women students.—Physical education, five times per week for two years.

Correspondence.—Inquiries in regard to the College of Business Administration may be addressed to the dean of the college. All correspondence regarding admission should be sent to the registrar of the University.

Contact with Actual Business.—The business men of the state and especially of the city of Seattle, are cooperating in a most genuine way with the College of Business Administration. Students are encouraged to avail themselves of the many opportunities to do part-time work in local concerns along their chosen lines.

In addition to part-time employment an alternating quarter system of office practice and academic work has been established in the division of maritime commerce. The office practice work is made a definite part of the training. Students are referred to the Maritime Commerce bulletin for further information.

During the senior year, or during a year of graduate work, students specializing in marketing, merchandising, or advertising are given the opportunity to spend alternate quarters in actual business under the immediate supervision of a field director. This plan involves either attendance at summer school or working under supervision during the summer between the junior and senior year. These apprenticeships are made possible by the active cooperation of Seattle and Tacoma business houses. They give the student the benefit of a favorable introduction to the best business practice, and also give him this introduction while he is still in college. His theories may be vitalized by supervision of department heads in the business and the teacher of theory in college discussing with him the application of theory to actual business as the student finds it.

This apprenticeship system is to be extended until it includes students in all of the departments of the College. Chinese students of the college of Rusiness Administration are placed in Seattle business houses, either already engaged in trade with the Orient or contemplating entering that field. The China Club of Seattle has shown its usual fine desire to cooperate with the University, in securing twenty or more such apprenticeships. Much benefit is expected to accrue both to the Chinese students who are initiated into actual American business methods as well as to the firms which will now receive advice as to the needs of the market in China and will later have native representatives in China familiar with their goods, methods, and business standing.

Advisory Boards.—The College of Business Administration has formed advisory boards of business men throughout the state for foreign trade, money and banking, merchant marine management, and insurance. Other board for transportation, employment management and executive management, sales

management, accounting, commercial teaching, secretarial training and merchandising are being formed. The purpose is to create a direct cooperation between education and industry, principle and practice.

The Students' Advisory Council.—The B.A. Council, organized in the autumn quarter of 1919 by the students of the College, is a representative body having as its members three officers, two representatives from each of the three upper undergraduates classes, one representative from the freshman class, and one from the graduate school. It functions in an advisory capacity on matters relating to standard of scholarship, student esprit-de-corps cooperation between the faculty and the student body on other matters which are brought to its attention by the faculty or the student body. The regular Business Administration assemblies are organized and conducted under the direction of the Council.

Cases of student discipline are investigated and reviewed, and the council

renders service as a court of appeals.

The mentor system is the conception of the Council. The mentor plan provides for the appointment of a group of senior and graduate students to meet the freshmen of the College at a certain appointed time in three conferences during the quarter. It is the Big Brother and Sister movement made concrete. The mentors take the responsibility of seeing that every freshman student in his or her group gets the largest possible benefit out of his College life.

International Relations.—Plans are now being completed to establish exchange scholarships with China and with some of the South American republics. The opportunities which are thus afforded for American students to study abroad and for foreign students to gain a better understanding of American life and thought will be of a great educational value.

Fellowships.—The college is now in a position to grant several fellowships with opportunity for assisting in the instruction. Address Dean of the College of Administration.

Outside Lectures.—The College of Business Administration to supplement as far as possible the work given with practical lectures and discussions by business men. Many of the leading business men of Seattle and the state have delivered lectures in their special fields to classes.

Courses

For description of courses, see Departments of Instruction, printed elsewhere in this catalogue. (See Index).

SCHOOL OF JOURNALISM

THE FACULTY

HENRY SUZZALLO, Ph.D. (Columbia), LL.D. (California)PRESIDENT
JOHN THOMAS CONDON, LL.M. (Northwestern)
MATTHEW LYLE SPENCER, Ph.D. (Chicago),Professor of Journalism; DIRECTOR
FRED WASHINGTON KENNEDY
ROBERT WILLIAM JONES, A.B., LL.B. (Missouri), A.M. (South Dakota)
MAURICE HICKLIN, A.B., B.J. (Missouri)
GEORGE BERNARD ASTELStudent Assistant
*Everhand Armstrong, B.S. (Delaware)Associate in Journalism
NAIDA LOUISE CURTIS, B.S., (Columbia)Secretary to the Director
EDMOND STEPHEN MEANY, M.L. (Wisconsin)
WILLIAM SAVERY, Ph.D. (Harvard)Professor of Philosophy
PIERRE JOSEPH FREIN, Ph.D. (Johns Hopkins)Professor of Romanic Languages
STEVENSON SMITH, Ph.D. (Penusylvania)Professor of Psychology
LESLIE JAMES AYER, J.D. (Chicago)
DESLIE JAMES ALER, J.D. (CHICAGO)
FRED CARLETON AVER, Ph.D. (Chicago)
FEED CARLETON AYER, Ph.D. (Chicago)
FRED CARLETON AYER, Ph.D. (Chicago)
FEED CARLETON AYER, Ph.D. (Chicago)

THE SCHOOL AND ITS EQUIPMENT

The first courses in journalism in the University of Washington were given in 1907. A department of journalism was established in 1909. In

March, 1918, the department was formally made a school.

The professional courses in the School of Journalism and those prescribed in the colleges of Liberal Arts and Science are planned with two aims in view—to offer instruction and practice in all important details of newspaper work, and to provide such studies as are best adapted to give the broad training necessary for successful pursuit of journalism as a profession. In the first the courses include reporting, copy reading, editorial writing, advertising, cartooning, trade journalism, the mechanics of printing and publishing, and the practical work of the business and administrative offices. In the second are history, economics, political science, sociology, philosophy, psychology, language, literature, and similar subjects necessary in developing the broader scholarship indispensable in modern journalism.

This double ideal of the School of Journalism curriculum has justified itself in the increasing demands of Pacific coast editors for University graduates. Requests to date have exceeded the supply to such an extent that the School has been compelled to recommend students who have not completed their training. Ultimately the School hopes to meet the demand with

graduates only.

^{*}Spring Quarter, 1922

Equipment.—Journalism and printing take up the entire first floor of Commerce Hall, 208×70 feet, occupied first in September, 1917. On this floor are the class rooms, the journalism library and reading room, the faculty offices, the University Press, and all the mechanical equipment for teaching practical journalism. The University Press does practically all the printing required on the campus.

Frederick A. Churchill Junior Memorial Library.—In March, 1918, a separate journalism library and reading room was opened, known as the Frederick A. Churchill Junior Memorial Library, in memory of a brilliant student of the School who died in 1916 while doing newspaper work in New York. The Memorial Library contains carefully selected books and periodicals relating to printing, advertising, current events, short story, and all phases of the editorial side of the newspaper.

Journalism "Morgue."—In the Memorial Library is a journalism "morgue," for newspaper and periodical clippings on current topics classified for instant reference. This contains biography, book reviews, and dramatic criticism, besides a continuous chronicle of events.

Student Publications.—The editorial and business offices of The University of Washington Daily, Sun Dodger, Columns, and Tyce are on the first floor of Commerce Hall. Ownership of The Daily and Tyee is vested in the student body. Ownership and control of The Columns and Sun Dodger are held by corporations of students. All of these are supervised by the School of Journalism, the staff members of each being recruited mainly offer opportunities practical School. All for experience magazine and newspaper work. Places on the editorial business staffs of each, awarded for the most part on a basis of literary and executive ability, are open to all students in the School of Journalism. Opportunity for wide experience in reporting, copy reading, editorial writing, and advertising is offered on The University of Washington Daily, published as a four to six-page paper by the students.

Journalistic Clubs.—Three national organizations are maintained by students in the School of Journalism. Junior and senior men have a chapter of Sigma Delta Chi, one of the two national journalistic fraternities. Junior and senior women maintain a chapter of Theta Sigma Phi, the national journalistic sorority founded at the University of Washington in 1910. Members of the Sun Dodger staff have also a chapter of Hammer and Coffin, the national comic-magazine fraternity.

Opportunity for Self-Help.—The director of the School of Journalism has frequent calls from business managers and publishers for students with some experience to do part time work in advertising, publicity, and reporting. All the local newspapers and many of the more important dailies in neighboring cities maintain special reporters and correspondents at the University. Remuneration for this work ranges up to \$60 a month, according to the service given. Promise of employment, however, cannot be made in advance. Positions usually are given those on the ground who are able to show by actual experience that they can do the work required.

Admission.—On the successful completion of 90 plus 10 credits of prescribed and elective work at the University of Washington, or an equivalent amount from another institution of accredited standing, students are granted the junior certificate, which admits to the School of Journalism. (See pages 70-71).

Fees.—In certain courses in journalism laboratory fees are charged. These go toward purchase of textbooks, student materials, community type-writers—of which the School has nineteen—and toward subscriptions for newspapers and periodicals, of which the School takes forty or fifty annually, in addition to a large number of weeklies that come to the director's desk on exchange. The number of courses requiring fees varies from year to the regular University fees, will not be more than \$2.50 a quarter for any student, regardless of the number of courses taken.

Pre-Journalism Majors.—The director of the School of Journalism is the advisor for all students in journalism from the beginning of the freshman year. Registration of pre-journalism majors at the beginning of each quarter is held in the director's office. To him should be taken questions about coordinating courses in other schools and any matters touching the scholastic work of journalism majors.

Journalism Curriculum.—From the beginning of the freshman year a specific curriculum of studies (see page 117) is required of students expecting to major in journalism. Courses in news writing, the country newspaper, and elements of publishing are open to students of sophomore rank. Entrance to the School of Journalism is granted on the ability shown by the individual in these courses to do newspaper work successfully. Formal admission is not permitted until the junior year.

Shorthand and Typewriting.—All written work in the School of Journalism must be done on a typewriter. Both shorthand and typewriting are required for graduation. Prospective students may save themselves much time, however, by learning shorthand and typing before entering the University. Tests in each are given quarterly. Those passing the tests successfully are excused from the University courses.

Graduation.—The curriculum of the School of Journalism leads to the degree of bachelor of arts in journalism, for which 180 credits must be obtained, plus 10 hours in physical training or military science. Sixty of these credits must be in journalism. And a minimum of 90 plus 10 hours must have been earned before the student is formally registered in the School of Journalism. An oral examination before the journalism faculty is required of seniors not less than two weeks before the end of the quarter in which they expect to graduate.

Graduate Study.—Advanced courses in journalism, history, economics, political science, sociology, and English are offered students wishing to take graduate study in preparation for newspaper work or teaching journalism. A wide demand exists in high schools, colleges, and universities for instructors adequately trained to teach journalism. The University library contains a large collection of bound newspapers and magazines and furnishes unusual opportunity for a historical study of American journalism. Special provision is made for directing the work of graduate students interested in historical, political, psychological, or language studies in journalism. The courses required are determined by the nature and amount of undergraduate work the candidate has done in journalism and the phase of it in which he wishes to specialize, such as advertising, the business office, trade journalism or the purely editorial field. A thesis constitutes one of the requirements. On completion of the requisite number of hours, the degree of master of arts in journalism is granted by the University.

1,2,3,3

Specialization.—Students looking forward to specialized branches of journalistic work, such as trade or class journalism, advertising, or the business office, will find the School of Journalism equipped to aid them. While emphasis is laid on the editorial side of the newspaper field, provision is made in the curriculum for practical training in other departments as well.

CURRICULUM

Requirements for the degree of bachelor of arts in journalism are scheduled below. The courses are arranged in the order in which they normally follow each other. Those with a double dagger are required. Those marked with a single dagger are regarded as essential. Others are suggested electives.

Fiest	YEAR ¹
Architecture Credits	History Oredits
10-11-12. Freehand Drawing 3	5-6. English Political and Social His-
/ Economics	tory 10
7.1. ‡General Economics 5	# 1-2-8 †Practical Military Science 5
X 6. Business Correspondence 5	Political Science
*Typewriting	₹1. ‡Elements of Government 5
English	10. †American Government 3 11. †State Government 8
1. ‡Composition 5	
X 64-65. ‡Great English Writers 10.	
Foreign Language	1. †Introduction to Sociology 5
SECON	TD YEAR
Economics Credits	Painting
11-12. Elementary Accounting 10	56-57-58. Illustration 9
English +Shorthand -	Philosophy 5. Introduction to Logic 5
67-68-69. †Great American Writers 6	Political Science
Foreign Language10 History	52. †Political Parties
57-58. †History of the United States 10	69 Municipal Finance 9
71-72-73. Ancient History 9	Psychology 5
fournalism 51. ‡News-Writing	1. iGeneral Psychology 5
75. ‡Elements of Publishing 5	Science
Military Science	51. Growth of Culture 5
× 51-52-58. ‡Practical Military Science 5	55. Community Organization 3 56. The Family 3
1-2-8. Music Appreciation 6	
4-5-6. History of Music 6	
THE	D YEAR
Architecture Credits	
101-102-103. History of Architecture 6	100. Maropo, rorritoro
1. Introduction to Astronomy 1	131. Europe since 1870 5 147. Civil War Period 3
Beonomics	148 Reconstruction Period 8
54. ‡Business Law	149. National Development 5
118. Business Statistics 5	Tanama Nam
138. Sales Management 5	61. ‡Country Newspaper 2
English 98. †The Bible as Literature 3	90. ‡Current Events 1 101. ‡Reporting 5
104-105-106 Contemporary Literature 9	
70-71. ‡Shakespeare 6	105. The Sporting Page 2
147-148-149. The English Novel 9 Foreign Language	
Foreign Language	120. ‡Copy Reading 5
11.‡Greek Civilization2	

^{1.} Students who have not had science in high school are required to take ten hours of chemistry or physics and ten of botany or geology or zoology in the University. Students entering without foreign language are required to take twenty hours of a modern foreign language in the University without credit.

2. Students who have taken, or who plan to take, three or more years of ancient language, may omit this requirement.

Journalism Cred	lite 5	Political Science
138. Advertising Typography	5	100. †Municipal Government 3
136. †Comparative Journalism /	2	102. Municipal Problems 3
138. History of Journalism	5	Psychology
140. †Business Office	5	111. History of Psychology 3
Latin		126. Abnormal Psychology 5
11. ‡Roman Civilization ²	5	Science 15
Philosophy		Sociology
101-102-103. History of Philosophy	9	104. *American Social Conditions 2
114-115-116. History of Religion	9	130. The Social Survey 3
. Fo)URTH	YEAR
Architecture Cred	lits	History Oredita
157-158-159. Freehand Drawing	9	163-164-165. †Northwestern History 6
Reonomica	•	Journalism
121. Corporation Finance	5	150. ‡Editorial Writing 5
122. Railroad Administration	5	160. Trade Journalism 5
162. American Labor Problems	5	170. Magazine and Feature Writing 5
162. European Labor Problems	5	173. The Short Story 3
198. Research in Marketing and Ad-		174-1757 Short Story Writing 6
vertising	5	188. News Writing for Teachers 2
English		250. Research in Journalism 5
171-172-173. Romantic Poets	9	Political Science
174-175-176. †Nineteenth Century Eng-		110. International Law 3
lish Poetry	9	111. International Politics 3
183-184-185, General Literature	9	Science
Foreign Language	10	Socialogy
History		155. Poverty and Philanthropy 5
153. †The Pacific Rim	3	156. Criminology 5
		•

2. Students who have taken, or who plan to take, three or more years of ancient language, may omit this requirement.

Advertising.—Students expecting to make advertising a profession should elect the following courses from those scheduled above: Architecture 10-11-12 (Freehand Drawing); Economics 106 (Economics of Markets); Economics 138 (Sales Management); Economics 180 (Trade of the Americas); Journalism 130 (Fundamentals of Advertising); Journalism 131 (Display Advertising); Journalism 133 (Advertising Typography); Journalism 160 (Trade Journalism); Painting and Design 56-57-58 (Illustration). All these will be found of particular value in advertising work.

Courses

For description of courses, see Departments of Instruction, printed elsewhere in this catalogue. (See Index).

COLLEGE OF ENGINEERING

THE FACULTY

HENRY SUZZALLO, Ph.D. (Columbia), LL.D. (California),
CARL EDWARD MAGNUSSON, Ph.D. (Wisconsin), E.E. (Minnesota),
Professor of Electrical Engineering; Director of Engineering Experiment Station; DEAN
EVERETT OWEN EASTWOOD, C.E., M.A. (Virginia), S.B. (Massachusetts Institute of Tech-
nology),
Professor of Civil Engineering
nology),
Henry Kreitzer Benson, Ph.D. (Columbia) Professor of Chemical Engineering
GEORGE SAMUEL WILSON, B.S. (Nebraska), Associate Professor of Mechanical Engineering
CHARLES WILLIAM HARRIS, C.E. (Cornell), Associate Professor of Civil Engineering
EDGAR ALLEN LOEW, B.S., E.E. (Wisconsin), Associate Professor of Electrical Engineering
ARTHUR MELVIN WINSLOW, Ph.B. (Brown), B.S. (Massachusetts Institute of Technology),
HARRY RUREY, B.S. (C.E.), (Illinois),
FREDERICK KURT KIRSTEN, B.S., E.E. (Washington)
*LESLIE FOREST CURTIS, B.S. (Tufts), M.S., E.E. (Washington)
IRA LEONARD COLLIER, B.S., C.E. (Washington), Assistant Professor of Civil Engineering
CHARLES CULBERTSON MAY. B.S., C.E. (Washington), Assistant Professor of Civil Engineering
JOHN CHARLES RATHBUN, A.M., B.S., C.E. (Washington),
Assistant Professor of Civil Engineering FRED FALCONER WELD, C.E. (Pennsylvania State College), Associate in Civil Engineering
CLAHENCE LESTER WHITE, C.E. (Iowa), Instructor in Civil Engineering
GORDON RUSSELL SHUCK, E.E. (Minnesota), Instructor in Electrical Engineering
JAMES BAKER HAMILTON,
EDMOND CLARENCE MILLER, B.S. (E.E.) (Washington),Instructor in Civil Engineering
Rebert Quixote Brown, B.S. (E.E.) (Washington), Instructor in Civil Engineering
CHRIS GRENSIDE DOBSON, E.M. (Montana School of Mines), Instructor in Civil Engineering
FOREST CHARLES DANA, B.S. (C.E.) (Washington), Instructor in Civil Engineering
ALBERT KALIN, B.S. (E.E.) (Washington)
Instructor in Mechanical Engineering
ROBERT H. G. EDMONDS, B.S. (Whitman),
GEORGE LISLE HOARD, B.S. (E.E.) (Washington),Instructor in Electrical Engineering JOHN HOWARD THOMPSON, B.S. in Metallurgical Engineering (Washington),
JACK RODERICK TOLMIE, B.S. (E.E.) (Washington), Instructor in Electrical Engineering
ELGIN ROSCOE WILCOX, MetE. (Washington)
GEORGE S. SMITH, B.S. (C.E.) (Washington),Instructor in Electrical Engineering
EDWARD LEONARD STRANBERG, B.S. (C.E.) (Washington), Associate in Civil Engineering
CHAUNOY WERNECKE, B.S. (C.E.) (Washington),Associate in Civil Engineering

FREDERICK MORGAN PADELFORD, Ph.D. (Yale),
GEORGE MCPHAIL SMITH, Ph.D. (Freiburg)Professor of Inorganic Chemistry
ERIO TEMPLE BELL, Ph.D. (Columbia), Professor of Mathematics
JOHN WEINZIEL, Ph.D. (Wisconsin), Dr.P.H. (Harvard)Professor of Bacteriology
LESLIB JAMES AYER, B.S. (Upper Iowa), J.D. (Chicago),
JOSEPH Daniels, S.B. (Massachusetts Institute of Technology), M.S. (Lehigh), Associate Professor of Mining Engineering and Metallurgy
HENRY LOUIS BRAKEL, Ph.D. (Cornell),Associate Professor of Engineering Physics
GEORGE IRVING GAVETT, B.S. (C.E.) (Michigan),Assistant Professor of Mathematics
LEWIS IRVING NEIKIRK, Ph.D. (Pennsylvania),Assistant Professor of Mathematics
SAMUEL HERRERT ANDERSON, Ph.D. (Illinois),Assistant Professor of Physics

GENERAL INFORMATION

Curricula and Degrees.—The College of Engineering offers two fouryear curricula in each of the departments of chemical, civil, electrical and mechanical engineering. One of these leads to the degree of bachelor of science in the respective branches of engineering, as B.S. in civil engineering. The other is offered to meet the need for a more general training than is given in the regular four-year curricula. This curriculum leads to the degree of bachelor of science (B.S.), and should be followed by a year of graduate work which, under the university regulations for advanced degrees, leads to the degree of master of science (M.S.) in the respective lines.

In arranging the curricula the aim has been: To keep the work fundamental in character; to introduce the student into an engineering atmosphere as soon as possible; to direct the methods of work and study and to provide for a certain amount of flexibility in the selection of subjects.

A distinctive feature is the engineering problems, (C.E.) (11-12-13) consisting chiefly of problems taken from engineering work, and analyzed from an engineering standpoint.

The freshman work in the departments of chemical, civil, electrical and mechanical engineering, is identical, making it possible for a student to delay the definite choice until the beginning of the sophomore year.

All freshman and sophomore work is repeated each quarter. Additional courses will be repeated whenever practicable, provided the demand is sufficient to warrant full sections, but not for less than six students. The plan provides a possibility for taking desirable elective courses, or for engaging in practical work for one or more quarters before completing the curriculum.

Degree with Honors.—A degree with honors in engineering may be conferred upon any student of the College of Engineering who, upon recommendation of the engineering faculty of the honors committee and upon vote of the university faculty, may be declared worthy of unusual distinction.

Advanced Degrees.—The degrees of master of science in civil engineering (M.S. in C.E.), master of science in electrical engineering (M.S. in E.E.), master of science in mechanical engineering (M.S. in M.E.), and master of science in chemical engineering (M.S. in Ch.E.), respectively, will be conferred upon graduates of this college, or other engineering colleges of recognized standing, who complete a year (45 credit hours) of graduate work, including a satisfactory thesis, with the grade of A or B. The candidate must comply with the regulations of the Graduate School and pass a formal examination open to all members of the faculty. The selection of work for this degree must, in each case, be approved by the head of the department in which the student majors.

The professional degrees, chemical engineer (Ch.E.), civil engineer (C.E.), electrical engineer (E.E.), and mechanical engineer (M.E.), will be conferred in three years on graduates of this college holding the degree (B.S.) in their respective lines, who give evidence of having been engaged continuously in acceptable engineering work and who present satisfactory theses.

Thesis.—The graduating thesis will consist of research or design in some branch of engineering, or the review of some existing construction. The subject must be approved by the professor in charge of the department under which it is classified.

Engineering Laboratories—For description of laboratories see pages 29-36.

REQUIREMENTS FOR ADMISSION

Full information regarding requirements for admission, registration, and expenses may be found on pages 40, 48, 49.

Students entering the College of Engineering must have a working knowledge of the fundamentals of arithmetic, algebra and geometry. It is therefore desirable for the student to review his preparatory mathematics just before entering college. By such a step much time will be saved and the work of the College will be rendered more valuable to him.

CURRICULA OF THE COLLEGE OF ENGINEERING

FOR THE FRESHMAN YEAR IN ALL DEPARTMENTS

FRESHMAN

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Alg. Math. 51 Engr. Prob. C.E. 11 . Gen. Chem. 1 or 21 . Drawing, C.E. 1 Mil. Sci. or Phys. Ed.	3 5	Engr. Prob. C.E. 12 Gen. Chem. 2 or 22 Drawing, C.E. 2	3	Engr. Prob. C.E. 13 Gen. Chem. 23 Surveying, C.E. 21	8
	16%		16%		16%

IN CHEMICAL ENGINEERING

Leading to the degree of Bachelor of Science in Chemical Engineering

FRESHMAN

The same for all curricula. See above.

SOPHOMORE

Autumn Quarter Oredits Physics 97 5 Qual. Chem. 101 5 Mechanism—M.E. 81 3 Dif. Cal.—Math. 61 3 Mil. Sci. or Phys. Ed. 1½	Winter Quarter Credits Physics 98 5 Quant. Chem. 112 5 Steam Eng.—M.E. 82 3 Int. Cal.—Math. 62 3 Mil. Sci. or Phys. Ed. 1%	Physics 99 5 Quant. Chem. 113 5 Steam Lab.—M.E. 83 . 3 Chem. Tech. Ch. 129 3 Mil. Sci. or Phys. Ed 1%
17%	17%	.17%
	JUNIOR	
Ind. Chem. 121	Ind. Chem. 122 5 Org. Chem. 128 or 132 5 Mach. Des.—M.B. 92 . 2 Mechanics—C.E. 131 3 Shop 54 1	Ind. Chem. 123 5 Org. Chem. 129 or 133 . 5 Dir. Cur.—E.E. 101 4 D.C. Lab.—E.E. 102 2
16	. 16	16
•	SENIOR	•
Phys. Chem. 181 5 Alt. Cur.—E.E. 121 4 A.C. Lab.—E.E. 122 2 Electives 5	Op.1 Op.2 Phys. Chem. 182 5 5 Chem. Eng. 216 5 5 Ind. Seminar Chem. 20 Thesis 8 Electives 5	Metallurgy #02 Op.1 Op.2 Thesis 5 5 Chem. 217 5 5 Electives 8 5
16	15 15	15 15

Electives must in all cases be approved by the head of the department.

1922/23

University of Washington

184+10

IN CIVIL ENGINEERING

Leading to the degree of Bachelor of Science in Civil Engineering

FRESHMAN

moore

The same for all curricula. See page 121.

SOPHOMORE

Autumn Quarter Oredit Mech.—C.E. 91 3 St. Eng.—M.E. 82 3 Physics 97 5 R.R. Surv.—C.E. 22 4 Mil. Sci. or Phys. Ed. 12	Mech.—C.E. 92 8 St. Eng. Lab.—M.E. 83 . 3 Physics 98 5 Higher Surv.—C.E. 28 4	Spring Quarter Oredits Mech.—C.E. 98 3 Economics 3 Physics 99 5 Field Eng.—C.E. 24 4 Mil. Sci. or Phys. Ed. 1½
163	16%	16%
	JUNIOR	
Hydraulics—C.E. 142 5 Struct. Mat.—C.E. 167 . 5 Calc.—Math. 61 3 Mach. Des.—M.E. 91 2	Dir. Cur.—E.E. 101 4 D.C. Lab.—E.E. 102 2 Calc.—Math. 62 3 - Mach. Des.—M.E. 102 2 Gas Eng.—M.E. 108 3 Hyd. Eng.—C.E. 143 3	Alt. Cur.—E.E. 121 4 A.C. Lab.—E.E. 122 2 Highways—C.E. 122 3 Mach. Des.—M.E. 93 2 English 4 3 Electives 3
15	17	17
	SENIOR	
Structures—C.E. 134 3 Water Sup.—C.E. 158 3 Business Law—B.A. 54 3 Geology 5 5	Thesis or electives 5 Business Law—B.A. 55. 3 Electives 8	Electives15
14	16	. 15
Electives must in all	cases be approved by the head of	the department.

IN ELECTRICAL ENGINEERING

Leading to the degree of Bachelor of Science in Electrical Engineering

FRESHMAN

The same for all curricula. See page 121.

SOPHOMORE

Autı	nn Quarter	Oredite	Winter Quarter	Credits	Spring Quarter	Orealts
Dif. Mecl Mac Shor	Calc.—Math 6 hanism—M.E. 8 h. Des.—M.E. 9 58	1 3 1 3 91 2	Int. Calc.—Math 62 El. Steam—M.E. 82 Mach. Des.—M.E. 93 Shop 54	3 2 2 1	Physics 99	3 3 2
		15%		15%		15%
			JUNIOR .			
D.C. Meci Engl	banics-C.B. 13	10 2 1 3/- 3	D.C. Lab.—E.E. 112 Mechanics—C.E. 182	2 4	A.C.—E.E. 161 A.C. Lab.—E.E. 162 Mechanics—C.E. 183 . St. Mat.—M.E. 167	4 -
		16		16	,	16
		20	SENIOR	10		
A.C. Phys	—E.E. 163 —E.E. 164 sics 114 tives	4 3	Trans.—E.E. 195, 10 Thesis 186 Mach. Des.—E.E. 15 Electives	4 2 5	Trans.—E.E. 198 or T sis 188 Electives	2
		16		15		. 16
	Electives mu		ises be approved by th		the department.	

IN MECHANICAL ENGINEERING

Leading to the degree of Bachelor of Science in

Mechanical Engineering |8| + 10

FESSHMAN
ne for all curricula. See page 121. The same for all curricula.

	DOL TOWORD	
Autumn Quarter Oredits Cal.—Math. 61 3 Physics 97 5 Mechanism—M.E. 81 3 Mach. Des.—M.E. 91 2 Shop 53 1 Mil. Sci. or Phys. Ed. 1%	Winter Quarter Credits Cal.—Math. 62 3 Physics 98 5 El. Steam—M.E. 82 3 Mach. Des.—M.E. 92 2 Shop 54 1 Mil. Sci. or Phys. Ed. 1½	Spring Quarter
15%	15%	15%
	JUNIOR	
Dir. Cur.—E.E. 101 4 Dir. Cur. Lab.—E.E	Alt. Cur.—E.E. 121 4 Alt. Cur. Lab.—E.E. 122 2 Exp. Engr.—M.B. 152 : 3 Eng. & Boll.—M.E. 124 3 Mechanics—C.E. 182 3 Shop 106 1	Hydraulics—C.E. 142 5 English 4
16	16	15
10	_ 	10
	SENIOR	^
Business Law—B.A. 54 3 Thermo. & Ref.—M.E. 183	Gas. Eng.—M.E. 198 3 Heat. & Vent.—M.E. 182 3 Mach. Des.—M.E. 102 . 2 Eng. Mat.—M.E. 167 3 Electives 5	Power Plants—M.E. 184. 3 1 184. 3 1 184. 3 1 19 18 19 19 19 19 19 19 19 19 19 19 19 19 19
		T.
Mostives must in all as	ses be approved by the head of	Abs demandance 19
AMECLIVES INUSE IN BIL CH	ses de abbroveu ny the nead ot	toa department.

16 16 Mectives must in all cases be approved by the head of the department.

IN NAVAL ARCHITECTURE AND MARINE ENGINEERING

FRESHMAN

The same for all curricula. See page 121.

SOPHOMORE

Autumn Quarter Oredits Cal.—Math. 61	Winter Quarter Credits Cal. Math. 62	Spring Quarter Oredits Cal.—Math. 63 3 Physics 99 5 Steam Lab.—M.E. 88 3
Mach. Des.—M.E. 91 2	Mach. Des.—M.E. 92 2	Mach. Des.—M.E. 93 2
Shop 58 1	Shop 54 1	Shop 55 1
Mil. Sci. or Phys. Ed 1%	Mil. Sci. or Phys. Ed 1%	Mil. Sci. or Phys. Ed 1%
		
15%	15%	15%
	JUNIOR	
Dir. Cur.—E.E. 101 4 Dir. Cur. Lab.—E.E. 102 2	Alt. Cur.—B.E. 121 4 Alt. Cur. Lab.—E.E. 122 2	Hydraulics—C.E. 142 5
Exp. Eng.—M.E. 151 3	Exp. Engr.—M.E. 152 3	Exp. Eng.—M.E. 153 . 3
Nav. Arch.—M.E. 185 3	Nav. Arch.—M.E. 186 3	Nav. Arch.—M.E. 187 3
Mechanics—C.E. 181 8 Shop 105 1	Mechanics—C.E. 132 8 Shop 108 1	Mechanics—C.E. 133 3 Shop 107 1
—	- Shop 100	
16	16	15
	Senior	
Business Law—B.A. 54 8 Thermo. & Ref.—M.E.	Gas Eng.—M.E. 198 3 Heat. & Vent.—M.E. 182 8	Mar. Eng.—M.E. 190 8 Steam Turb.—M.E. 179 . 3
188 5	Ship Design—M.E. 189 . 2	Mach. Des.—M.E. 103 . 3
Ship Design—M.E.,188 . 2	Eng. Mat.—M.E. 167 . 8	Thesis 210 4
Electives 6	Electives 5	Electives 8
16	16	16
	40	

Electives must in all cases be approved by the head of the department.

parre gransit.

University of Washington

IN COMMERCIAL ENGINEERING

Leading to the degree of Bachelor of Science

The student must register in the chemical, civil, electrical or mechanical engineering department of the College of Engineering.

•	Mathematics 51, 52, 53, 61, 62, 68, 18	26		
	Physics 97, 98, 99			
	Chemistry 1, 2,98, or 21, 22, 28			
	English 4 (Certificate in English Composition)	3		
	Military Science or Physical Education	10 -	•	
	Civil Engineering 1, 2, 11, 12, 13, 21, 131, 132	24		
	Electrical Engineering 101, 102, and 121, 122 or 161, 162	12		
	Mechanical Engineering 81, 82, 83, 91, 92, 98	15		
	Business Administration 1 or 2, 11, 12, 54, 55, 167	-04-	ماد	
	Technical Electives (department in which the student is registered)	21		
	General Electives	37	25	
				0
	Total	192 .		メハヘ
Pe	tives must in all cases be approved by the dean of the College of Engin	cering	. 142	, 1
-	Totaltives must in all cases be approved by the dean of the College of Engin			•

Electives must in all cases be approved by the dean of the College of Engineering. IN AERONAUTICAL ENGINEERING

Students who desire to major in aeronautical engineering should include the following courses in the technical and general electives of the curriculum for the bachelor of science degree in the College of Engineering. These courses may also be taken as electives in the curricula for the bachelor of science degree in chemical, civil, electrical and mechanical engineering.

101. Aerodynamics. Aerial Propellers. 111.

121. Airplane Design. 141. Airships.
 161. Aerial Transportation.

Electives must in all cases be approved by the dean of the College of Engineering.

Courses

For description of courses, see Departments of Instruction, printed elsewhere in this catalogue. (See Index).

ENGINEERING EXPERIMENT STATION

THE STAFF

JOHN THOMAS CONDON, LL.M., (Northwestern),DEAN OF FACULTIES Carl Edward Magnusson, Ph.D., (Wisconsin), E.E. (Minnesota), Electrical Engineering DIRECTOR HUGO WINKENWERDER, M.F., (Yale),Forest Products HENRY KREITZER BENSON, Ph.D., (Columbia), Chemical Engineering and Industrial Chemistry CHARLES WILLIAM HARRIS, B.S., (C.E.) Washington, C.E. (Cornell), ... Civil Engineering EVERETT OWEN EASTWOOD, C.E. A.M. (Virginia), S.B. (Massachusetts Institute of Technology), Mechanical Engineering FREDERICK ARTHUR OSBORN, Ph.D., (Michigan),Physics Standard and Tests

For description of the work of the Experiment Station see page 37.

124

COLLEGE OF FINE ARTS

THE FACULTY

HENEY SUZZALLO, Ph.D. (Columbia), LL.D. (Californía),
TIME COMMING THE CONTRACTOR CONTR
JOHN THOMAS CONDON, LL.M. (Northwestern),DEAN OF FACULTIES
IRVING MACKEY GLEN, A.M. (Oregon), Professor of Music,
WILLIAM PIERCH GORSUCH, A.B. (Knox), Professor of Dramatic Art
CARL FRELINGHUYSEN GOULD, A.B. (Harvard),Associate Professor of Architecture
*Walter Isaacs, B.S., (James Milliken), Associate Professor of Fine Arts
FRANCES DICKEY, A.M. (Columbia),
Monrz Rosen, Graduate (Warsaw Conservatory),Assistant Professor of Music
ALBERT FRANZ VENINO, (New York College, Stuttgart Conservatory, Leschetizky),
CARL PAIGE WOOD, A.M. (Harvard), Assistant Professor of Music
ROBERT FULTON McCLELLAND, (Massachusetts Institute of Technology),
GEORGE C. KIROHNER, (Leipzig),
FIABOLD OGDEN SEXSMITH, (Armour Institute), (Chicago Art Institute)
Instructor in Architecture
MRS. LOUISE VAN OGLE, Instructor in Music
ALBERT PORTER ADAMS, Instructor in Music
*Annuarte Edens, (New York School of Fine and Applied Arts, Columbia),
Instructor in Drawing
FILENS FRENCH, B.Mus. (Washington), M.A. (Columbia), Instructor in Music
AMBROSE PATTERSON, Associate in Fine Arts
MRS. EUGENTA WORMAN,
JAMES A. WEHN, Associate in Modeling and Sculpture
ADA TILLEY, B.Mus (Simpson),
GLENN HUGHES, A.M. (Washington), Instructor in Dramatic Art
ELEANOR CAMPBELL,
HELEN RHODES, (Columbia), Acting Instructor in Drawing
ELLA JANE SIRGINSON, A.M. (Columbia)
ELLA JANE SIRGINSON, A.M. (Columbia),
Anna Elfeida Storm, Assistant in Design
Anna Elfeida Storm,
ANNA ELFRIDA STORM, Assistant in Design HELEN FERRYMAN, B.Mus. (Washington), Assistant in Music LOUISE DOW BENTON, B.Mus. (Washington), Assistant in Music
ANNA ELFRIDA STORM, Assistant in Design HELEN FERRYMAN, B.Mus. (Washington), Assistant in Music LOUISE DOW BENTON, B.Mus. (Washington), Assistant in Music FLORENCE BERGH WILSON, B.Mus. (Washington), Assistant in Music
ANNA ELFRIDA STORM, Assistant in Design HELEN FERRYMAN, B.Mus. (Washington), Assistant in Music LOUISE DOW BENTON, B.Mus. (Washington), Assistant in Music
ANNA ELFRIDA STORM, Assistant in Design HELEN FERRYMAN, B.Mus. (Washington), Assistant in Music LOUISE DOW BENTON, B.Mus. (Washington), Assistant in Music FLORENCE BERGH WILSON, B.Mus. (Washington), Assistant in Music
ANNA ELFRIDA STORM, Assistant in Design HELEN FERRYMAN, B.Mus. (Washington), Assistant in Music LOUISE DOW BENTON, B.Mus. (Washington), Assistant in Music FLORENCE BERGH WILSON, B.Mus. (Washington), Assistant in Music CLARA CATHERINE BURCH, A.M. (Washington), Assistant in Music
ANNA ELFRIDA STORM, Assistant in Design HELEN FERRYMAN, B.Mus. (Washington), Assistant in Music LOUISE DOW BENTON, B.Mus. (Washington), Assistant in Music FLORENCE BERGH WILSON, B.Mus. (Washington), Assistant in Music CLARA CATHERINE BURCH, A.M. (Washington), Assistant in Music EVERETT OWEN EASTWOOD, C.E., A.M. (Virginia), S.B. (Massachusetts Institute of Tech-
ANNA ELFRIDA STORM, Assistant in Design HELEN FERRYMAN, B.Mus. (Washington), Assistant in Music LOUISE DOW BENTON, B.Mus. (Washington), Assistant in Music FLORENCE BERGH WILSON, B.Mus. (Washington), Assistant in Music CLARA CATHERINE BURCH, A.M. (Washington), Assistant in Music EVERETT OWEN EASTWOOD, C.E., A.M. (Virginia), S.B. (Massachusetts Institute of Technology), Professor of Mechanical Engineering
ANNA ELFRIDA STORM, Assistant in Design Helen Ferryan, B. Mus. (Washington),
ANNA ELFRIDA STORM, Assistant in Design Helen Ferryan, B. Mus. (Washington),
ANNA ELFRIDA STORM, Assistant in Design Helen Ferryman, B. Mus. (Washington),
ANNA ELFRIDA STORM, Assistant in Design Helen Ferryman, B. Mus. (Washington), Assistant in Music Louise Dow Benton, B. Mus. (Washington), Assistant in Music Florence Bergh Wilson, B. Mus. (Washington), Assistant in Music Clara Catherine Burch, A.M. (Washington), Assistant in Music Everett Owen Eastwood, C.E., A.M. (Virginia), S.B. (Massachusetts Institute of Technology), Professor of Mechanical Engineering Charles Leonard Phillips, Colonel, C.A.C., U.S.A. (U.S. Military Academy), A.B. (Colby), C.E. (Maine), Professor of Military Science and Tactics David Connolly Hall, M.D. (Chicago), University Health Officer and Professor of Hygiene Charles Church Moer, C.E., M.S. (Lafayette), M.C.E. (Cornell),
ANNA ELFRIDA STORM, HELEN FERRYMAN, B.Mus. (Washington), LOUISE DOW BENTON, B.Mus. (Washington), FLORENCE BERGH WILSON, B.Mus. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), EVERETT OWEN EASTWOOD, C.E., A.M. (Virginia), CHARLES LEONARD PHILLIPS, Colonel, C.A.C., U.S.A. (U.S. Military Academy), A.B. (Colby), C.E. (Maine), DAVID CONNOLLY HALL, M.D. (Chicago), University Health Officer and Professor of Hygiene CHARLES CHURCH MORE, C.E., M.S. (Lafayette), M.C.E. (Cornell), Professor of Civil Engineering
ANNA ELFRIDA STORM, HELEN FERRYMAN, B.Mus. (Washington), LOUISE DOW BENTON, B.Mus. (Washington), FLORENCE BERGH WILSON, B.Mus. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), EVERETT OWEN EASTWOOD, C.E., A.M. (Virginia), S.B. (Massachusetts Institute of Technology), CHARLES LEONARD PHILLIPS, Colonel, C.A.C., U.S.A. (U.S. Military Academy), A.B. (Colby), C.E. (Maine), Professor of Military Science and Tactics DAVID CONNOLLY HALL, M.D. (Chicago), University Health Officer and Professor of Hygiene CHARLES CHURCH MORE, C.E., M.S. (Lafayette), M.C.E. (Cornell), Professor of Civil Engineering THOMAS K. SIDEY, Ph.D. (Chicago), Assistant in Music Current Music Assistant in Music Research Music Assistant in Music Technology, Assistant in Music Research Music Assistant in Music Technology Technology Assistant in Music Technology Assistant in Music Technology Technology Assistant in Music Technology Technology Assistant in Music Technology Technology Technology Assistant in Music Technology Technology Assistant in Music Technology Technology Assistant in Music Technology Technology Technology Technology Technology Technology Assistant in Music Technology Technology
ANNA ELFRIDA STORM, HELEN FERRYMAN, B.Mus. (Washington), LOUISE DOW BENTON, B.Mus. (Washington), FLORENCE BERGH WILSON, B.Mus. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), EVERETT OWEN EASTWOOD, C.E., A.M. (Virginia), CHARLES LEONARD PHILLIPS, Colonel, C.A.C., U.S.A. (U.S. Military Academy), A.B. (Colby), C.E. (Maine), DAVID CONNOLLY HALL, M.D. (Chicago), University Health Officer and Professor of Hygiene CHARLES CHURCH MORE, C.E., M.S. (Lafayette), M.C.E. (Cornell), Professor of Civil Engineering
ANNA ELFRIDA STORM, HELEN FERRYMAN, B.Mus. (Washington), LOUISE DOW BENTON, B.Mus. (Washington), FLORENCE BERGH WILSON, B.Mus. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), EVERETT OWEN EASTWOOD, C.E., A.M. (Virginia), S.B. (Massachusetts Institute of Technology), CHARLES LEONARD PHILLIPS, Colonel, C.A.C., U.S.A. (U.S. Military Academy), A.B. (Colby), C.E. (Maine), Professor of Military Science and Tactics DAVID CONNOLLY HALL, M.D. (Chicago), University Health Officer and Professor of Hygiene CHARLES CHURCH MORE, C.E., M.S. (Lafayette), M.C.E. (Cornell), Professor of Civil Engineering THOMAS K. SIDEY, Ph.D. (Chicago), Assistant in Music Current Music Assistant in Music Research Music Assistant in Music Technology, Assistant in Music Research Music Assistant in Music Technology Technology Assistant in Music Technology Assistant in Music Technology Technology Assistant in Music Technology Technology Assistant in Music Technology Technology Technology Assistant in Music Technology Technology Assistant in Music Technology Technology Assistant in Music Technology Technology Technology Technology Technology Technology Assistant in Music Technology Technology
ANNA ELFEIDA STORM, Assistant in Design Helen Ferryan, B. Mus. (Washington), Assistant in Music Louise Dow Benton, B. Mus. (Washington), Assistant in Music Florence Bergh Wilson, B. Mus. (Washington), Assistant in Music Clara Catherine Burch, A.M. (Washington), Assistant in Music Everett Owen Eastwood, C.E., A.M. (Virginia), S.B. (Massachusetts Institute of Technology), Professor of Mechanical Engineering Charles Leonard Phillips, Colonel, C.A.C., U.S.A. (U.S. Military Academy), A.B. (Colby), C.E. (Maine), Professor of Military Science and Tactics David Connolly Hall, M.D. (Chicago), University Health Officer and Professor of Hygiene Charles Church Mone, C.E., M.S. (Lafayette), M.C.E. (Cornell), Professor of Civil Engineering Thomas K. Sidey, Ph.D. (Chicago), Associate Professor of Latin and Greek Charles Goggio, Ph.D. (Wisconsin), Associate Professor of English Robert Max Garnett, Ph.D. (Munich), Associate Professor of English
ANNA ELFEIDA STORM, Assistant in Design Helen Ferryaan, B. Mus. (Washington), Assistant in Music Louise Dow Benton, B. Mus. (Washington), Assistant in Music Florence Bergh Wilson, B.Mus. (Washington), Assistant in Music Clara Catherine Burch, A.M. (Washington), Assistant in Music Everett Owen Eastwood, C.E., A.M. (Virginia), S.B. (Massachusetts Institute of Technology), Professor of Mechanical Engineering Charles Leonard Phillips, Colonel, C.A.C., U.S.A. (U.S. Military Academy), A.B. (Colby, C.E. (Maine), Professor of Military Science and Tactics David Connolly Hall, M.D. (Chicago), University Health Officer and Professor of Hygiene Charles Church More, C.E., M.S. (Lafayette), M.C.E. (Cornell), Professor of Civil Engineering Thomas K. Sidey, Ph.D. (Chicago), Associate Professor of Latin and Greek Charles Goggio, Ph.D. (Wisconsin), Associate Professor of Romanic Languages Robbet Max Garrett, Ph.D. (Munich), Associate Professor of Mathematics
ANNA ELFEIDA STORM, HELEN FERRYMAN, B.Mus. (Washington), LOUISE DOW BENTON, B.Mus. (Washington), Assistant in Music Florence Bergh Wilson, B.Mus. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), Assistant in Music Everence Burch, A.M. (Virginia), S.B. (Massachusetts Institute of Technology), CHARLES LEONARD PHILLIPS, Colonel, C.A.C., U.S.A. (U.S. Military Academy), A.B. (Colby), C.E. (Maine), Professor of Military Science and Tactics DAVID CONNOLLY HALL, M.D. (Chicago), University Health Officer and Professor of Hygiene CHARLES CHUROH MORS, C.E., M.S. (Lafayette), M.C.E. (Cornell), Professor of Civil Engineering THOMAS K. SIDET, Ph.D. (Chicago), Associate Professor of Romanic Languages Robert Max Garrett, Ph.D. (Wisconsin), Associate Professor of Mathematics Harvey Bruce Densmore, A.B. (Oxford), Associate Professor of Mathematics
ANNA ELFRIDA STORM, HELEN FERRYMAN, B.Mus. (Washington), LOUISE DOW BENTON, B.Mus. (Washington), FLORENCE BERGH WILSON, B.Mus. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), EVERETT OWEN EASTWOOD, C.E., A.M. (Virginia), S.B. (Massachusetts Institute of Technology), CHARLES LEONARD PHILLIPS, Colonel, C.A.C., U.S.A. (U.S. Military Academy), A.B. (Colby), C.E. (Maine), Professor of Military Science and Tactics DAVID CONNOLLY HALL, M.D. (Chicago), University Health Officer and Professor of Hygiene CHARLES CHURCH MORE, C.E., M.S. (Lafayette), M.C.E. (Cornell), THOMAS K. SIDEY, Ph.D. (Chicago), Associate Professor of Romanic Languages ROBERT MAX GARRETT, Ph.D. (Munich), Associate Professor of Mathematics HARVEY BRUCE DENSMORE, A.B. (Oxford), Associate Professor of Mathematics HARVEY BRUCE DENSMORE, A.B. (Oxford), Assistant Professor of French
ANNA ELFRIDA STORM, HELEN FERRYMAN, B.Mus. (Washington), LOUISE DOW BENTON, B.Mus. (Washington), Assistant in Music Florence Bergh Wilson, B.Mus. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), EVERETT OWEN EASTWOOD, C.E., A.M. (Virginia), S.B. (Massachusetts Institute of Technology), CHARLES LEONARD PHILLIPS, Colonel, C.A.C., U.S.A. (U.S. Military Academy), A.B. (Colby), C.E. (Maine), Professor of Military Science and Tactics DAVID CONNOLLY HALL, M.D. (Chicago), University Health Officer and Professor of Hygiene CHARLES CHURCH MORE, C.E., M.S. (Lafayette), M.C.E. (Cornell), THOMAS K. SIDEY, Ph.D. (Chicago), CHARLES GOGGIO, Ph.D. (Wisconsin), Associate Professor of Romanic Languages ROBBET MAX GARRETT, Ph.D. (Munich), Associate Professor of Mathematics HABVEY BRUCE DENSMORE, A.B. (Oxford), Assistant Professor of Greek GINO ARTURO RATTI, Ph.D. (Grenoble), Assistant Professor of French ERNEST OTTO ECKELMAN, Ph.D. (Heidelberg), Assistant Professor of German
ANNA ELFEIDA STORM, HELEN FERRYMAN, B. Mus. (Washington), LOUISE DOW BENTON, B. Mus. (Washington), Assistant in Music Florence Bergh Wilson, B. Mus. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), Assistant in Music CLARA CATHERINE BURCH, A.M. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), CLARALES LEONARD PHILLIPS, Colonel, C.A.C., U.S.A. (U.S. Military Academy), A.B. (Colby), C.E. (Maine), Professor of Military Science and Tactics DAVID CONNOLLY HALL, M.D. (Chicago), University Health Officer and Professor of Hygiene CHARLES CHURCH MORE, C.E., M.S. (Lafayette), M.C.E. (Cornell), Professor of Civil Engineering THOMAS K. SIDEY, Ph.D. (Chicago), Associate Professor of Latin and Greek CHARLES GOGGIO, Ph.D. (Wisconsin). Associate Professor of Romanic Languages ROBERT MAX GARRETT, Ph.D. (Munich), Associate Professor of Mathematics Harvey Bruce Bell, Ph.D. (Columbia), Associate Professor of Mathematics Harvey Bruce Densmore, A.B. (Oxford), Assistant Professor of French General Samuel Herbert Anderson, Ph.D. (Heldelberg), Assistant Professor of Physics
ANNA ELFEIDA STORM, HELEN FERRYMAN, B. Mus. (Washington), LOUISE DOW BENTON, B. Mus. (Washington), Assistant in Music Florence Bergh Wilson, B. Mus. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), Assistant in Music CLARA CATHERINE BURCH, A.M. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), CLARALES LEONARD PHILLIPS, Colonel, C.A.C., U.S.A. (U.S. Military Academy), A.B. (Colby), C.E. (Maine), Professor of Military Science and Tactics DAVID CONNOLLY HALL, M.D. (Chicago), University Health Officer and Professor of Hygiene CHARLES CHURCH MORE, C.E., M.S. (Lafayette), M.C.E. (Cornell), Professor of Civil Engineering THOMAS K. SIDEY, Ph.D. (Chicago), Associate Professor of Latin and Greek CHARLES GOGGIO, Ph.D. (Wisconsin). Associate Professor of Romanic Languages ROBERT MAX GARRETT, Ph.D. (Munich), Associate Professor of Mathematics Harvey Bruce Bell, Ph.D. (Columbia), Associate Professor of Mathematics Harvey Bruce Densmore, A.B. (Oxford), Assistant Professor of French General Samuel Herbert Anderson, Ph.D. (Heldelberg), Assistant Professor of Physics
Anna Elfeida Stoem, Assistant in Design Helen Ferrman, B. Mus. (Washington), Assistant in Music Louise Dow Benton, B. Mus. (Washington), Assistant in Music Florence Bergh Wilson, B. Mus. (Washington), Assistant in Music Clara Catherine Burch, A.M. (Washington), Assistant in Music Everett Owen Eastwood, C.E., A.M. (Virginia), S.B. (Massachusetts Institute of Technology), Professor of Mechanical Engineering Charles Leonard Phillips, Colonel, C.A.C., U.S.A. (U.S. Military Academy), A.B. (Colby), C.E. (Maine), Professor of Military Science and Tactics David Connolly Hall, M.D. (Chicago), University Health Officer and Professor of Hygiene Charles Church More, C.E., M.S. (Lafayette), M.C.E. (Cornell), Professor of Civil Engineering Thomas K. Sidet, Ph.D. (Chicago), Associate Professor of Romanic Languages Robert Max Garrett, Ph.D. (Chicago), Associate Professor of Romanic Languages Robert Max Garrett, Ph.D. (Columbia), Associate Professor of Mathematics Harvey Bruce Densmore, A.B. (Oxford), Associate Professor of Greek Gino Artueo Ratti, Ph.D. (Grenoble), Assistant Professor of Greek Gino Artueo Ratti, Ph.D. (Grenoble), Assistant Professor of German Samuel Herbert Anderson, Ph.D. (Illinols), Assistant Professor of Prench Ernert Erma Gross, A.M. (Teachers' College, Columbia), Assistant Professor of Physics Mark Emma Gross, A.M. (Teachers' College, Columbia),
ANNA ELFEIDA STORM, HELEN FERRYMAN, B. Mus. (Washington), LOUISE DOW BENTON, B. Mus. (Washington), Assistant in Music Florence Bergh Wilson, B. Mus. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), Assistant in Music CLARA CATHERINE BURCH, A.M. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), CLARA CATHERINE BURCH, A.M. (Washington), CLARALES LEONARD PHILLIPS, Colonel, C.A.C., U.S.A. (U.S. Military Academy), A.B. (Colby), C.E. (Maine), Professor of Military Science and Tactics DAVID CONNOLLY HALL, M.D. (Chicago), University Health Officer and Professor of Hygiene CHARLES CHURCH MORE, C.E., M.S. (Lafayette), M.C.E. (Cornell), Professor of Civil Engineering THOMAS K. SIDEY, Ph.D. (Chicago), Associate Professor of Latin and Greek CHARLES GOGGIO, Ph.D. (Wisconsin). Associate Professor of Romanic Languages ROBERT MAX GARRETT, Ph.D. (Munich), Associate Professor of Mathematics Harvey Bruce Bell, Ph.D. (Columbia), Associate Professor of Mathematics Harvey Bruce Densmore, A.B. (Oxford), Assistant Professor of French General Samuel Herbert Anderson, Ph.D. (Heldelberg), Assistant Professor of Physics

GENERAL STATEMENT

This college comprises the departments of architecture, music, painting, sculpture, design, and dramatic art. In the department of architecture a curriculum of four years is offered leading to the degree of bachelor of architecture; in music there are curricula of four years leading to the degree of bachelor of music, with major in applied music, composition, or public school music, and to the degree of bachelor of arts in music. Curricula of four years are offered leading to the degree of bachelor of fine arts, with a major in painting and design, interior decoration, public school drawing, or music and drawing. Two-year curricula lead to certificates of proficiency for supervisors of art and music. The department of dramatic art offers major courses in the study of the drama and dramatic interpretation.

Normal Diploma—Graduates in music may receive in addition to their bachelor of music degree a normal diploma, entitling them to teach music in the public schools, by meeting the requirements of the department of education and such departmental requirements as the department of music may see fit to institute. This will necessitate a total of at least 192 credits.

Certificates of Proficiency for Music Supervisors.—These may be issued by the head of this college to students who may not have completed the requirements for the degree, but who have satisfactorily completed certain stipulated courses at the discretion of the department. These courses include history of music, elementary harmony, public school music, ear training and melody writing, school music and music education, vocal music, education and drawing or some other approved elective. Only students of advanced standing can complete this course in less than two years.

Methods of Instruction.—The plan of study recognizes that architecture is essentially a fine art, the practice of which must be based upon a thorough knowledge of construction and of the practical requirements of buildings. Technical training which has not recognized the importance of the knowledge of the principles of design has failed notably to raise the skilled draftsman to the position of an architect.

The University recognizes that its function in teaching the profession is to equip men to obtain not only a general knowledge of the subject of architecture, but that they may become able to cope with the problems that occur in actual

practice.

It must be recognized, however, that knowledge of design is the most essential subject in a course preparing students for the profession of architecture.

REQUIREMENTS FOR ADMISSION

Full information regarding requirements for admission, registration, and

expenses may be found on pages 40, 48, 49.

It is advisable that students intending to enter the course in architecture present credits for preparatory work in trigonometry and freehand drawing. Beginning in 1921 two years of a foreign language will be included among specific entrance requirements, to be made up in the University without credit, if they have not been taken in high school.

Students intending to enter any of the music courses leading to a degree must satisfy the head of the department that they have completed in addition to the usual high school preparation the equivalent of four years' work in piano, showing that they are familiar with the rudiments and can play well scales and chords in all positions, the smaller sonatas of Haydn, Mozart and Beethoven, and easier compositions representative of the best literature for the piano.

CURRICULA

FOR THE BACHELOR OF MUSIC DEGREE WITH A MAJOR IN APPLIED MUSIC (Piano, Violin, Voice, Violoncello, Organ)

FIRST YEAR

Autumn Quarter Oredits Music 1 (Apprec.) 2 4 (History) 2 7 (Sight Singing 2 14 (Ear Training) 2 18 (Applied) 3 10 (Chorus) elect. 1 English Comp 3 Phys. Ed. or Mil. Sci 1% 16%	Music 2 5 2 8 2 15 2 19 3 11 or elective 1 English Comp 3	Spring Quarter Oredits Music 3 2 9 2 16 2 20 3 12 or elective 1 English Comp 3 Phys. Ed. or Mil. Scl. 1%
	SECOND YEAR	
Music 10 or elective 1 68 (Applied) 3 51 (Harmony) 3 Pol. or Soc. Sci 5 Foreign Language 5 Phys. Ed. or Mil. Sci 1%	### ##################################	**Music 12 (or elective) . 1
18%	16%	16%
	TRIED YEAR	
Music 10 (or elective) 1 118 (Applied) 3 101 (Adv. Harmony) 3 104 (Adv. History) 2 107 (Counterpoint) 2 110 (Instr. Form) 2 Foreign Language 3	\$Music 11 (or elective) 1 119	†Music 12 (or elective) . 1
	FOURTH YEAR	
Music 10 (or elective) 1 168 (Applied) 3 157 (Composition) 2 151 (Adv. Appr.) 2 Electives	### ### ##############################	#Music 12 (or elective) . 1 170

FOR THE BACHELOR OF MUSIC DEGREE WITH A MAJOR

IN COMPOSITION

FIRST YEAR

FOR THE BAC	HELOR OF MUSIC DEGREE WI	TH A MAJOR
	FIRST YEAR	180.
Autumn Quarter Credits	•	Spring Quarter Credits
English Comp 3		58
16%	16%	16%

^{*}As a substitute for the senior program, the student may have the option of offering an approved original composition or work in an elective course approved by the advisor and the dean.

SECOND YEAR

Music 10 (Chor.) or elect 1 101 (Adv. Har.) . 3 107 (Counterpoint) 2 Foreign Language 5 Pol. or Soc. Science 5	#Music 11 or elective 1 102	Spring Quarter Oredits	44
Music 10 (Chor.) or elect 3 68 (Applied) 3 110 (Instr. Form) 2 157 (Composition) 2 104 (Adv. History) 2 Foreign Language 3 Electives 2	### THIED YEAR ###################################	†Music 12 (Chor.) or elect 1	72,
	FOURTH YEAR		
Music 10 (Chor.) or elect. 1 118 (Applied) 3 151 (Adv. Appr.) 2 160 (Polyphonic) . 2 201 (Adv. Comp.) . 2 204 (Orchest.) 2 Electives	‡Music 11 (Chor.) or elect 1 119	‡Music 12 (Chor.) or elect 1 120 153 162 203 206 2 Philosophy 129 (Aesth.)	51
17	.17	17	

FOR THE BACHELOR OF MUSIC DEGREE WITH A MAJOR 152 + 10

IN PUBLIC SCHOOL MUSIC.

FIRST YEAR

	Music 1 (Appreciation) 2 4 (History) 2 7 (Sight Singing) 2 10 (Chor.) or elect 1 14 (Ear Training) 2 1/3 -82 (Appiled) 3 English Composition 3 Phys. Ed. or Mil. Sci 1%	15 (Ear Training) 2 // 32 (Applied) 3 English Composition 3 Phys. Ed. or Mil. Sci 1½	Music 3 (Appreciation) 2 6 (History) 2 9 (Sight Singing) 2 12 (Chor.) or elect 1 16 (Ear Training) 2 2.0-38 (Applied) 3 English Composition 3 Phys. Ed. or Mil. Sci 1%
	16%	16%	16%
	•	SECOND YEAR	
	Music 51 (Harmony) 3 54 (School Music) 2 10 (Chor.) or elect 1 Psychology 1 5 Foreign Language 3 Phys. Ed. or Mil. Sci 1%	Music 52 (armony) 3 55 (School Music) 2 11 (Chor.) or elect 1 Physics 5D 5 Foreign Language 3 Phys. Ed. or Mil. Sci 1%	Music 53 (Harmony) : . 3 56 (School Music) 2 12 (Chor.), or elect 1 Physics 53 5 Foreign Language 3 Phys. Ed. or Mil. Sci 1%
	15%	15%	15%
	~	THIRD YEAR	
•	Music 68 (Applied) 3 101 (Adv. Harm'y) 3 113 (Education) 2 Foreign Language 5 Pol. or Soc. Science 5	Music 69 (Applied) 3 102 (Adv. Harm'y) 3 114 (Education) 2 Education 5 Foreign Language 3	
	18	16	16

Only those who have successfully completed the work in Mus. 11 will be eligible for registration in Mus. 12.

		FOURTH YEAR		
	Autumn Quarter Oredits Music 107 (Counterpoint) 2 110 (Instr. Forms) 2 151 (Adv. Apprec.) 2 154 (Ed.& Superv.) 2 Electives	Winter Quarter Orodits Music 108 (Counterpoint) 2 111 (Instr. Forms) 2 152 (Adv. Apprec.) 2 155 (Ed.& Superv.) 2 Education 145 (Pract.), 5 Electives 2	Spring Quarter Oredita	(12)
	15	15	15	
;	FOR THE DE	GREE OF BACHELOR OF ARTS FIRST YEAR	IN MUSIC / 8 4 + 10	
	Autumn Quarter Oredits *Music, elective 3 English Composition 3 Foreign Language 5 Chem., Botany or Zoology 5 Phys. Ed. or Mil. Sci 1%	Winter Quarter Credits *Music, elective 3. English Composition 3 Foreign Language 5 Chem., Botany or Zoology 5 Phys. Ed. or Mil. Sci 1%	*Music, elective	46
	17%	17%	15%	
		SECOND YEAR		
•	*Music, elective 5 Pol. or Soc. Science 5 For. Lang. or elective 5 Phys. Ed. or Mil. Sci 1%	Music, elective	Music, elective	45
	16%	16%	16%	
		THIRD YEAR		48
	Music, elective 6 Psychology 5 †Liberal Arts, elective . 5	†Liberal Arts, elective .10	Music, elective 6 Philosophy 5 †Liberal Arts, elective . 5	5-02
	16	16	16	Lib. a
		FOURTH YEAR		NS
	Music, elective 5 †Liberal Arts, elective .10			
	15	15	15	19 1
	A total of forty hou	rs of foreign language of	ursued either in the high	}

A total of forty hours of foreign language pursued either in the high school or in the University is required for a degree in the College of Fine Arts. If a student has finished this work in the high school, he shall substitute approved electives in the University. If he presents no foreign language for admission to the University, he must supply the deliciency in addition to the hours demanded by the respective curricula, without credit.

Students of the public school music course are required to take Educa-

tion 145 in the senior year. This practice teaching substitutes for the senior thesis.

CURRICULA IN ARCHITECTURE LEADING TO THE DEGREE OF BACHELOR OF ARCHITECTURE

	TIME TEAM	and the second s
Autumn Quarter Credits	Winter Quarter Credits	Spring Quarter Credita
Hist, & Elem. Arch. 1 2	Hist. & Elem. Arch. 2 2	Hist. & Elem. Arch. 3 2
Arch. Drawing 4 3	Arch. Drawing 5 8	Arch. Drawing 6 3
Descr. Geom. 7 2. ?	Shades & Shadows 8 3	Perspective 9
Statics 47 5	Statics 48 5	Foreign Language 5
Freehand Draw. 10 1	Freehand Draw. 11 1	Freehand Draw. 12 1
English 8 8	English 4 3	English 5 3
Phys. Ed. or Mil. Sci 1%	Phys. Ed. or Mil. Sci 1%	Phys. Ed. or Mil. Sci 1%
1726	1734	17%

^{*(1)} Among the music courses indicated above the following are required: 1, 2, 3, 4, 5, 8, 9, 14, 15, 16, 51, 52, 53, 101, 102, 103.

Liberal Arts electives for the junior and senior years should be in Upper Division

SECOND YEAR

	Hist. & Elem. Arch. 51 . 2	Hist. & Blem. Arch. 52 2 Arch. Design 55 8 Bidg. Constr. 61 2 Freehand Draw. 73 0 1 1 Mathematics 58 8 Foreign Language 2 5	Mathematics 59 5	57
	Note.—Students electing Arch. 103,: 114, and register for	structural option will, in sor r Physics 3-5 hours.	ing quarter, junior year, omit	
1		THIRD YEAR		
	Hist. Arch. 101 2 Arch. Design 104 5 P. S.&D. 73 ALLANDIMA 1 Mechanics (C.E.) 131 8 Physics (Gen.) 1 4	Hist. Arch. 102	Hist. Arch. 108 2 Arch. Design 106 5 Water Color 114 1 Rnf. Concrete (C.E.) 138 3 Acous. & Illum. (Phys. 57) 113 4	6
	15	16.	15	
	•	FOURTH YEAR (Design Option)		
199710	Hist. Arch. 151	Hist. Arch. 152	Hist. Arch. 153	48
	16	25.1	16	
	•	FOURTH YEAR (Structural Engineering Option)	į	-
2+10	Frame Struc. (C.E.) 134 3 Steam Eng. (M.E.) 82. 3 Dir. Currents (E.E.) 101- 102;	Bridges (C.E.) 161 5 Alt. Currents (E.E. 121- 122) 6 Heat. & Vent. (M.E.) 182 3 Bus. Law 55 3 Spec. Office Prac. (Arch. 117) 2	Pl. Survey (C.E.) 21 3 Wood Anal. (For. 108) . 2 Struc, Mat. (C.E.) 167 . 3 Bus. Law 56 3 Electives 5	52.
	17	116	1 7/14	,
	FOR THE DEGREE OF	F BACHELOR OF FINE ARTS PAINTING AND DESIGN	WITH A MAJOR IN	
	<u>.</u>	FIRST YEAR		
	Autumn Quarter Oredits P.S.D. (Freehand) 5 3 *P.S.D. (Art Struc.) 9. 4 Art. Apprec. 16 1 English Composition 3 Foreign Language 5 Phys. Ed. or Mil. Sci 1%	Winter Quarter	Spring Quarter Oredits P.S.D. (Freehand) 7 3 *P.S.D. (Art Struc) 11 4 Art. Apprec. 18 1 English Composition 3 Electives 5 Phys. Ed. or Mil. Sci 1%	+8
	17%	17%	17%	•
	•	SECOND YEAR		•
	P.S.D. (Art Struc.) 53 . 4 P.S.D. (Illustration) 56. 3 Greek Art & 7	P.S.D. (Art Struc.) 54. 4 P.S.D. (Illustration) 57. 3 Foreign Language 5 Greek Art No. 1 Electives 8 Phys. Ed. or Mil. Sci 1%	*P.S.D. (Art Struc.) 55. 4 P.S.D. (Illustration) 58. 3 Foreign Language 5 Greek Art E 0. 1 Electives 3 Phys. Ed. or Mil. Sci 1%	V 8
	17%	17%	17%	
	*The course in art stru	cture comprises the following:	Freshman, principles of design;	

^{*}The course in art structure comprises the following: Freshman, principles of design; sephomore. needle designing, woodblock printing, design; junior, pottery, interior decorating, posters, seniors, jewelry, landscape composition, design.

		101	
		Spring Quarter Credite Arch. 3 (Arch. Dr.) 2 P.S.D. (Portrait) 109 3 Roman Art (Lat. 16) 1 Laboratory Science 5 Electives 4	45'
787	16	15	
	FOURTH YEAR	- Jule	ىن.
P.S.D. (Art Strue.) 157 8 P.S.D. (Life 160 or Mural Dec. 163) 8 Electives 9	P.S.D. (Art Struc.) 158 3 P.S.D. (Life 161, or Mural Dec. 165) 3 Electives 0	P.S.D. (1-1 Struc.) 193 3 P.S.D. (Life 162, or Mural Dec. 165) 3 Electives 3	186+1
15	15	15	141
			18 O
FOR THE DEGREE O	F BACHELOR OF FINE ARTS PUBLIC SCHOOL DRAWING FIRST YEAR	180 7 10	•
Autumn Quarter Credits P.S.D. (Breehand) 5 3 P.S.D. (Art Struc.) 9 4 Art Appreciation 16 1 English Composition 3 Foreign Language 5 Phys. Ed. or Mil. Sci 1%	Winter Quarter Oredits P.S.D. (Freehand) 6 6 6 7 P.S.D. (Art Struc.) 10. 4 P.S.D. (Hiustration) 57 8 / 8 English Composition 8 Foreign Language 5 Phys. Ed. or Mil. Sci 1%	Spring Quarter Oredits P.S.D. (Freehand) 7 3 P.S.D. (Art Struc.) 11 4 Art Appreciation 18.4 1 English Composition 3 Foreign Language 5 Phys. Ed. or Mil. Sci 1%	44
17%	17%	17%	
	SECOND YEAR		
P.S.D. (Art Struc.) 58. 4 P.S.D. (Illustration) 56. 3 Political Science 5 Foreign Language 3 Phys. Ed. or Mil. Sci1%	P.S.D. (Art Struc.) 54. 4 P.S.D. (Illustration) 57. 3 Electives	P.S.D. (Art Struc.) 55 4 P.S.D. (Illustration) 58 3 Psychology 5 Foreign Language 3.2 Phys. Ed. or Mill. Sci 13/6	y2 .
16%	14%	16%	
	THIRD YEAR	•	
P.S.D. (Art Struc.) 103 8 P.S.D. (Illustration) 107 3 Greek Art 8 1 Education 5 Elective 3	P.S.D. (Art Strue.) 104 3 P.S.D. (Illustration) 108 3 Greek Art 9	P.S.D. (Art Struc.) 105 8 P.S.D. (Illustration) 109 3 Greek Art 10	47
15	15	15	
	FOURTH YEAR		/
P.S.D. (Art Struc.) 157 8 *Education 145 5 Education 160-P	P.S.D. (Art Strue.) 158 3 Education	P.S.D. (Art Struc.) 159 3 Philosophy 5 P.S.D. (Art. Struc.) 3 Electives	42 04
18/2	15	15	14
FOR THE DEGREE OF	BACHELOR OF FINE ARTS INTERIOR DECORATION	WITH A MAJOR IN	1,
•	FIRST INAR	. • (
Autumn Quarter Credits P.S.D. (Freehand) 5 3 P.S.D. (Art Struc.) 9 4 P.S.D. (Art App.) 16. 1 English Composition 3 Foreign Language 5 Phys. Ed. or Mil. Sci 1%	Winter Quarter Credits P.S.D. (Freehand) 63 P.S.D. (Art Struc.) 10 . 4 P.S.D. (Art App.) 17 . 1 English Composition3 Foreign Language5 Phys. Ed. or Mil. Sci 1%	Spring Quarter Credits P.S.D. (Freehand) 73 P.S.D. (Art Struc.) 11.4 P.S.D. (Art App.) 18.1 English Composition 3 Foreign Language 5 Phys. Ed. or Mil. Sci 1%	48
17%	17%	17%	
Among the conrect in T	Ancation Practice Teaching mus	t be included in the senior year.	•

^{*}Among the courses in Education, Practice Teaching must be included in the senior year.

43
47
45.

132	NIVERSITY OF WASHINGTO	N	
	SECOND YEAR		
Autumn Quarter Credits P.S.D. (Hshld Des.) 59 3 Arch. (History) 1 8 7 Arch. (Dimension Dr.) 18 2 Foreign Language 5 Electives 2 Phys. Ed. or Mil. Scl 1%	Winter Quarter Oredits P.S.D. (Hshld. Des.) 60. 3 Arch. (History) 2 3. Arch. (Dimension Dr.) 14 2 Electives 7 Phys. Ed. or Mil. Sci. 136 1634		16%
20 /8	THIRD YEAR	•	/- -
P.S.D. (Interior Decoration) 110	tion) 111 8	P.S.D. (Interior Decoration) 112	2 5
15	15		15
P.S.D. (Interior Decoration) 172	FOURTH YEAR P.S.D. (Interior Decoration) 173	P.S.D. (Interior Decoration 174	1
H. E. House Furn. 143. 8		,	
15	15		15
FOR THE DEGREE OF	BACHELOR OF FINE ARTS V MUSIC AND DRAWING	VITH A MAJOR IN 10	
Autum - Ouester - Guztin	FIRST YEAR	, , , , , , , , , , , , , , , , , , , ,	1/0
Autuma Quarter Gredite Music 4 (Hist. of Music) 2 Music 7 (Sight Singing) 2 P.S.D. 5 (Drawing) 4 Foreign Language 5 English Composition 3 Mil. Sci. or Phys. Ed 1%	Winter Quarter Oredits Music 5 (Hist. of Music) 2 Music 8 (Sight Singing) 2 P.S.D. 5 (Drawing) 4 Foreign Language 5 English Composition 3 Phys. Ed. or Mil. Sci 1%	Spring Quarter Or Music 6 (Hist. of Music) Music 9 (Sight Singing) P.S.D. 7 (Drawing) Foreign Language English Composition Mil. Sci. or Phys. Ed	3
17%	SECOND YEAR		17%
Music 14 (ear tr. or elec.) 2 Music 54 (School Music) 2 Foreign Language	Music 15 (ear tr. or elec.) 2 Music 55 (School Music) 2 Laboratory Science 5 P.S.D. 10 (Art Struc.) 3 Electives	Music 16 (ear tr. or elec.) Music 56 (School Music) Psychology Laboratory Science P.S.D. 11 (Art Struc.) Mil. Sci. or Phys. Ed	5 5 5 1 3 5 1
18%	18%	1	18%
Music 18 (Ap. Music) 1 Music 51 (Harmony) 3 Music 113 (Music Ed.) 2 P.S.D. 53 (Art Struc.) 3 P.S.D. 16 (Art Apprec.) 1 P.S.D. 103 (Pottery) 3 Education 5	THIRD YEAR Music 19 (Ap. Music) 1 Music 52 (Harmony) 3 Music 114 (Music Ed.) 2 P.S.D. 54 (Art Struc.) 3 P.S.D. 17 (Art Apprec.) 1 P.S.D. 104 (Pottery) 3 Education 3 Electives 2	Music 20 (Ap. Music) Music 53 (Harmony) Educ. 160N (Music Ed.) P.S.D. 55 (Art Struc.) P.S.D. 18 (Art Apprec.) Education Electives	3 5
18	18		18
Automo Ausotas a state	FOURTH YEAR	Garden Augusten -	
Autuma Quarter Credits Music 68 (Ap. Music) 2 Music 151 (Music Apprec.) 2 Music 154 (Music Super.) 2 Education 160-P	Winter Quarter Credits Music 69 (Ap. Music). 2 Music 152 (Music Apprec.) 2 Music 155-4 (Music Super.)	Spring Quarter Or Music 70 (Ap. Music) Music 153 (Music Apprec.)	3 /0
17	15		15

^{*}Among the courses in Education, Practice Teaching must be included in the senior year.

CURRICULUM IN ART LEADING TO CERTIFICATES OF PROFICIENCY FOR SUPERVISORS OF ART

FIRST YEAR

	FIRST IDAH	•	
Autumn Quarter Credits P.S.D. (Art Struc.) 9. 4 P.S.D. (Freehand) 5 3 English Composition 3 Art Appreciation 16 1 Electives 5	Winter Quarter Oredits P.S.D. (Art Struc.) 10. 4 P.S.D. (Freehand) 6 3 English Composition 3 Art Appreciation 17 1 Electives 5	Spring Quarter Credite P.S.D. (Art Struc.) 114 P.S.D. (Freehand Cast) 7 3 English Composition 3 Art Appreciation 1 Electives 5	48
16	16	. 16	
	SECOND YEAR		
P.S.D. (Art Struc.) 53. 4 P.S.D. (Freehand) 56 3 Psychology 5 Education 160-P 3	P.S.D. (Art Struc.) 54 4 P.S.D. (Freehand) 57 3 Education 5 Electives 8	P.S.D. (Art Struc.) 55 4 P.S.D. (Freehand) 58 3 Education 5 Public School Draw. 101 3 Electives 1	46
15	15	16	197
***	ING TO THE DEGREE OF BACI DRAMATIC ART FIRST YEAR Winter Quarter Credits Dramatic Art, elective . 3 English Composition 3 Foreign Language 5 Chem., Botany or Zool 5 Phys. Ed. or Mil. Sci 1%	Spring Quarter Oredits Dramatic Art, elective . 3 English Composition . 3 Foreign Language . 5 Elective 5 Phys. Ed. or Mil. Sci. 1%	48
	SECOND YEAR		
Arch. (Hist.) 1 2	Dramatic Art. elective . 5 P.S.D. (Textile) 170 2 Arch. (Hist.) 2 5 Electives 5 Phys. Ed. or Mil. Sci 1%	Dramatic Art, elective . 5 P.S.D. (Textile) 171 2 Arch. (Hist.) 3 2 Pol. or Soc. Science 5 Mil. Sci. or Phys. Ed 1%	44
17%	15%	15%	
	THIRD YEAR		
Dramatic Art, elective . 6	Dramatic Art, elective . 6	Dramatic Art, elective . 6	
Psychology 5	†Liberal Arts, electives .10	†Liberal Arts, electives .10	

FOURTH YEAR

†Liberal Arts, electives. 5

16

Dramatic Art, electives 5 †Liberal Arts, elective10	Dramatic Art, †Liberal Arts.		Dramatic Art, †Liberal Arts,	
	-			
15		15		15

Courses

For description of courses, see Departments of Instruction, printed elsewhere in this catalogue. (See Index).

[†] Liberal Arts electives for the junior and senior years should be in Upper Division courses.

COLLEGE OF FISHERIES

THE FACULTY

HENRY SUZZALLO, Ph.D. (Columbia), LL.D. (California),PRESIDENT
JOHN THOMAS CONDON, LL.M. (Northwestern), DEAN OF FACULTIES
JOHN N. COBB,
DONALD R. CRAWFORD, B.S. (Washington), Instructor in Fish Culture
CLARENCE L. ANDERSON, B.S. (Washington),
TREVOR KINCAID, A.M. (Washington), Professor of Zoology
FREDERICK MORGAN PADELFORD, Ph.D. (Yale),
FREDERICK ARTHUE OSBORN, Ph.D. (Michigan),
CHARLES WILLIS JOHNSON, Ph.C., Ph.D. (Michigan),
THEODORE CHRISTIAN FREE, Ph.D. (Chicago), Professor of Botany
ROBERT EDOUARD MORITZ, Ph.D. (Nebraska), Ph.D. (Strassburg),
HARVEY LANTZ, A.M. (DePauw), LL.B. (Kent), Professor of Law
EVERETT OWEN EASTWOOD, C.E., A.M. (Virginia), S.B. (Massachusetts Institute of Technology),
Henry Kreitzer Benson, Ph.D. (Columbia), Professor of Chemical Engineering
JOHN WEINZIEL, Ph.D. (Wisconsin), Dr.P.H. (Harvard), Professor of Bacteriology
STEPHENSON SMITH, Ph.D. (Pennsylvania), Professor of Psychology
LESLIE JAMES AYER, J.D. (Chicago), Professor of Law
STEPHEN IVAN MILLER, A.B. (Stanford), LL.B. (Michigan),
GEORGE MCPHAIL SMITH, Ph.D. (Freiburg),Professor of Inorganic Chemistry
WILLIAM MAURICE DEHN, Ph.D. (Illinois),Professor of Organic Chemistry
GEORGE BURTON RIGG, Ph.D. (Chicago),Associate Professor of Botany
WILLIAM DANIEL MORIARTY, Ph.D. (Michigan),
GEORGE SAMUEL WILSON, B.S. (Nebraska), Associate Professor of Mechanical Engineering
JOHN LOOKE WORdester, M.D. (Medical School, University of Alabama)
WILLIAM EDWARD COX, A.M. (Texas), Associate Professor of Business Administration
HERMAN VANCE TARTAR, B.S. (Oregon Agricultural College), Associate Professor of Chemistry
EDWIN JAMES SAUNDERS, A.M. (Harvard),Assistant Professor of Geology
ELI VICTOR SMITH, Ph.D. (Northwestern),Assistant Professor of Zoology
FRED HARVEY HEATH, Ph.D. (Yale),
ELDIN VERNE LYNN, Ph.D. (Wisconsin), Assistant Professor of Pharmacology and Chemistry
HORACE GUNTHORP, Ph.D. (Kansas),
THOMAS G. THOMPSON, Ph.D. (Washington),Assistant Professor of Chemistry
JEAN ROBIN WILKES, Ph.C., B.S. (Washington), Assistant State Chemist and Bacteriologist

PURPOSE AND LOCATION

The College of Fisheries was established in 1919. It has a two-fold purpose: First, to afford instruction in the principles and practices of fishery; second, to promote the interest of fisheries in the state of Washington and in the United States by encouraging the right use of fishery resources.

The college has exceptional advantages in its location. The University campus is located on the shores of Lakes Washington and Union, which bodies of water are connected by canals with each other and with Puget Sound. In the latter are carried on extensive commercial fisheries for fishes, oysters, clams, crabs, etc., while fleets of vessels with headquarters at Seattle and other cities on the Sound, carry on extensive fisheries in the ocean adjacent to the Washington coast, and on the fishing banks along the Alaska coast. Numerous canneries, smokehouses, cold storage plants, fertilizer plants, etc., are to be found in Seattle and other places on the Sound. A number of fish hatcheries are owned and operated in the state of Washington by the federal, state and county governments. At Friday Harbor the University owns and operates an excellent marine biological station. These many advantages present unrivaled opportunities for the studying of the fisheries, aquatic life and fish culture.

REQUIREMENTS FOR ADMISSION AND GRADUATION

Full information regarding requirements for admission, registration, and expenses may be found on pages 40, 48, 49.

Degrees.—The four-year curricula in the College of Fisheries lead to the degree of bachelor of science (B.S.) in fisheries.

The degree of master of science (M.S.) in fisheries will be conferred upon any graduate of the four-year curricula who has completed at least one year of graduate work and has presented a satisfactory thesis with the grade of A. or B. A graduate of any other institution of equal rank will be given full graduate standing, but the candidate must have a satisfactory knowledge of zoology, chemistry, bacteriology and botany. The selection of work for this degree must, in each case, be approved by the director of the College.

Advanced Standing.—Credit will be given for subjects pursued at other colleges of recognized rank upon presentation to the registrar of crtificates that such subjects have been satisfactorily completed. Graduates of this institution and others of similar rank are admitted to graduate standing.

FACILITIES FOR STUDY

Shellfish Culture.—On Puget Sound and in Hood Canal are located numerous private oyster beds where cultivation has been practiced for some years. The state also owns certain oyster reserves which will be utilized for experimental purposes. These are all within reasonable distance of Seattle and are available for study purposes by the students of the College.

Fishery Operations.—Trap netting, purse and haul seining, gill netting, trolling, hand and long-line fishing, oyster gathering, clam digging, kelp harvesting, and other forms of commercial fishing, are carried on either in the harbor of Seattle, or waters adjacent, during the proper seasons, and can be observed and studied on the ground.

Commercial Plants.—In or near Seattle and available for study are plants for the canning of salmon, pilchards, clams, etc.; the mildcuring of salmon; the pickling of salmon, herring, sablefish, etc.; the freezing and cold storage of salmon, halibut, sablefish, herring, steelhead trout, and smelt; the smoking

of salmon, halibut, sablefish, herring, sturgeon, etc.; the extraction of oils from fishery products and the preparation of fish meal and fertilizer from the residue; and the extraction of chemical products from kelp and other aquatic plants. Two large can-making establishments, several plants manufacturing canning machinery, and a number of others supplying various machines and supplies for the fisheries, are also located in Seattle. Such of these industries as are not in Seattle are conveniently situated on Puget Sound, and the transportation costs to them would be very low.

Aquarium.—In the Fisheries building of the State Fisheries Board, at Fourth avenue and Seneca street, Seattle, a working aquarium is available for studying purposes.

Laboratories.—For description of fisheries laboratories see page 31.

Field Excursions.—Much of the instruction in fish culture and fisheries technology is given in the field, necessitating frequent excursions to nearby hatcheries, fishing camps, oyster beds, and industrial plants, and also the use in nearby waters of the varied fishery apparatus owned by the College. The expenses of these excursions will be comparatively small.

Summer Work.—Students of fisheries are urged to spend their summer vacation in some line of practical work connected with the fishery industry. As the college is convenient to the more important fisheries and hatcheries of the Northwest coast and Alaska, ample opportunity is afforded for summer employment. Students not only acquire valuable experience in this way, but earn a considerable portion of their university expenses.

Fishery Club.—The Fishery Club is an organization open to all students of the College of Fisheries. It aims: (1) To secure full acquaintance and good fellowship among students and instructors; (2) to keep in touch with everyday problems in fisheries, and the men who are doing things worth while in this industry, and (3) to interest the public in the College of Fisheries and in the fishery problems of the state and nation.

Short Courses for Fishermen and Fish Culturists.—These courses will be given during each winter quarter, provided there are a sufficient number of applicants. Applicants must be at least twenty years old and show ability to carry the work with profit to themselves. Admission to courses is without examinations. Examinations will be given in the various subjects at the close, of the course and a certificate showing the work satisfactorily covered issued to each student.

OUTLINE FOR CURRICULA

Choice of Electives.—In the election of studies, students should follow the sequence of subjects as outlined in the curriculum. Deviations from the prescribed order will not be allowed by class advisors unless such deviation is imperative.

For specialization in fisheries administration, the following electives are recommended: Fisheries 4, 5; business law (B.A. 54, 55); money and banking, (B.A. 57); economics of markets (B.A. 106); business organization (B.A. 105); plant management (B.A. 167); advertising (B.A. 137); accounting (two quarters, B.A. 11-12); admiralty law (Law 165); psychology 1 and 121; modern language (Spanish or German preferred); business statistics (B.A. 118).

For specialization in fisheries technology and fish culture: Fisheries 4, 5; engineering drawing (C.E. 1, 2); mechanical engineering 82, 198; chemistry and food analysis 105-106-107; industrial chemistry 123; physiological

chemistry 144; chemistry of nutrition 193; refrigeration (M.E. 183); economic marine botany 130; public hygiene (Bact. 103); modern language (Spanish or German preferred); trigonometry (Math. 4); elements of statistical methods (Math. 13); business statistics (B.A. 118); oceanography (Geol. 114); aquatic botany 53; parasitology (Zool. 107).

I. FISH CULTURE 18th
FIRST YEAR
Autumn Quarter Oredits Winter Quarter Oredits Spring Quarter Oredits
Zoology 1
Fisheries 3
Fisheries 3
Fisheries 101
Fisheries 150
II. FISHERIES TECHNOLOGY 18 7 L 10
FIRST YEAR
1
Autumn Quarter
Autumn Quarter Oredits Winter Quarter Oredits Spring Quarter Oredits

^{*}If the student has taken one year of physics in high school he will substitute electives for Physics 47 and 48.

Courses

For description of courses, see Departments of Instruction, printed elsewhere in this catalogue. (See Index).

WINTER SESSION FOR FISHERMEN

The third annual short session for fishermen will open on January 2, 1923, continuing until about March. The short courses, and such others as later investigation may determine are necessary, are offered for the benefit of persons who are interested in the various branches of fisheries. Admission to the courses is without examination. No previous preparation, training or fishery experience is necessary to enter, other than ability to read and write English. The past experience and future aims of each student are taken into consideration, and the character of his work arranged accordingly. Examinations will be given in the various subjects at the close of the course and a certificate showing the work satisfactorily covered issued to each student.

The courses include the following subjects: The canning and curing of fishery products; Scotch and other methods of curing herring; fish culture and pond culture.

Inquires in regard to the short courses may be addressed to the Director, College of Fisheries.

COLLEGE OF FORESTRY

THE FACULTY

HENRY SUZZALLO, Ph.D. (Columbia), LL.D. (California),
JOHN THOMAS CONDON, LL.M. (Northwestern),DEAN OF FACULTIES
HUGO WINKENWERDER, M.F. (Yale),
BEET PHESONS KIRKLAND, A.B. (Cornell),Professor of Forestry
*ELIAS THEAT CLARK, M.F. (Yale),
BROB LEONARD GRONDAL, M.S.F. (Washington),Assistant Professor of Forestry
CONRAD W. ZIMMERMAN, A.B. (Washington),Lecturer in Timber Physics

GENERAL INFORMATION

The College of Forestry was established in 1907. It has exceptional advantages in its location. The University campus comprises 582 acres of which 109 are open water; and 40 acres of timber offer splendid opportunities for field work in silviculture and forest measurements. Other excelent forests are within walking distance of the campus. The University also owns large forest tracts in various parts of the state, where students may conduct extensive research work. The immense national forests within a few hours' ride of Seattle afford practical object lessons in the art of forest management. The city of Seattle is in the center of the timber industry of Washington and the Northwest. In its many sawmills and wood-working industries, the student has unrivaled opportunities for studying wood utilization.

FOREST CLUB

The Forest Club is an organization comprised of all students of the College of Forestry. It aims: To secure acquaintance and good fellowship among students and instructors; to keep in touch with everyday problems in forestry and lumbering, and the leaders in these industries; to interest the public in the college and in the forestry and lumbering problems of the

The Club has issued the "Forest Club Annual" regularly since 1913. This publication has been devoted to articles and illustrations of the College, to scientific and popular articles about forestry and to a complete roster of students and alumni. Beginning with April, 1922, the Annual was super-

ceded by a quarterly known as the "University of Washington Forest Club Quarterly". The subscription price is \$2. a year. It is devoted largely to the Western forestry and lumbering interests.

Officers of the club for the year 1921-1922 are: President, J. O. Shank; vice-president, J. D. Roberts; secretary-treasurer, L. L. Simpson; editor, Will Schwiesow; advertising manager, Albert Lauber.

FIELD INSTRUCTION AND SUMMER WORK

Much of the instruction in technical forestry and lumbering is given in the field, in nearby forests, logging camps, saw mills, woodworking plants, and plants that manufacture equipment. This work is intensely practical and enables the student to correlate the theoretical class room instruction with its application in the field.

Students in forestry are also urged to spend their summer vacation in some line of practical work connected with the forest industry. The school, situated in the heart of a great lumbering section and near extensive national forests, offers ample opportunity for summer employment. Students not only acquire valuable experience in this way, but earn a considerable portion of their university expenses.

FOREST AND LUMBERING LABORATORIES

For description of laboratories see pages 31, 32.

REQUIREMENTS FOR ADMISSION AND GRADUATION

Full information regarding requirements for admission, registration, and expenses may be found on pages 40, 48, 49.

Advanced Standing.—Credit will be given for subjects pursued at other colleges of recognized rank upon presentation to the registrar of certificates that such subjects have been satisfactorily completed. Graduates of this institution and others of similar rank are admitted to graduate standing.

Short Courses for Forest Rangers and Lumbermen.—Applicants must be at least twenty years old and show ability to carry the work with profit to themselves. Admission to classes is without examination. (For details of short courses, see page 143.

Undergraduate Work.—For the degree of bachelor of science in forestry (B.S.F.) the student shall have completed in addition to the required subjects outlined in the curriculum, at least 46 credits in subjects selected from forestry, lumbering, engineering, or the botanical, chemical, zoological, geological or economic sciences, the subjects to be approved by the student's class advisor, but in no case shall more than 25 in any department other than forestry be allowed toward graduation. The total number of credits required for graduation shall be 180 exclusive of shop and military science. Candidates for the degree must furthermore receive grades of A, B, or C in at least three-fourths of the credits required for the degree.

Graduate Work.—Two advanced degrees are offered to students who have received the bachelor's degree at this University or other institutions of equal rank, and have a satisfactory knowledge of the fundamental sciences. For the degree of master of forestry (M.F.) he shall have been credited at this University with 225 credits, of which at least 78 are in approved technical forestry subjects. For the degree of master of science in forestry (M.S.F.) he shall be required to present a minor in one or two subjects in the College of Science. In addition to these requirements for either degree

he must present a thesis embodying the results of independent research and pass an oral examination open to all members of the faculty. Only grades of A and B can be counted toward a graduate degree.

SPECIAL OPPORTUNITIES FOR ADVANCED WORK

Attention is called to the equipment and to the special advanced courses for graduate students. The physical equipment of the College of Forestry and the exceptional advantages of its location are particularly advantageous for graduate students. The advanced courses include dendrology, silviculture, management, wood technology, timber physics, wood preservation, advanced forest products, the business of lumbering, and research Special facilities and apparatus are provided for this advanced work. A graduate from a college of forestry of equal rank with the College of Forestry of this University may complete the requirements for the advanced degree in one year. Graduates from other institutions of equal rank, but giving no courses in technical forestry, may complete the required work in two years, providing they have training in the fundamental sciences, mathematics and surveying

ORGANIZATION OF THE CURRICULUM

The curriculum of the College of Forestry is organized to give the student a broad general training during his first two years attendance with opportunity for specialization during the two final years. However, enough elementary technical work is included in the lower division so that the student will have received definite preparation for some practical field of work by the end of his freshman or sophomore year.

A very fair degree of specialization can be made in the four year undergraduate course, but emphasis should be placed upon the importance of a year, of graduate work for thorough specialization. The College of Forestry is prepared to offer work for thorough specialization in (1) forest service and state work, (2) logging engineering, (3) forest products, (4) the lumber business.

Arrangements may also be made for specialization along other lines, such as forest pathology, forest entomology, recreation or any others into which a broad training in forestry enters. This may be done by a substitution of some of the required courses for those of other departments. All such substitutions require the sanction of the dean and the University graduation committee.

Choice of Electives.—In the election of studies, students should follow the sequence of subjects as outlined in the curriculum. Deviations from the prescribed order will not be allowed by class advisers unless such deviation is imperative.

The curriculum of the College is practically identical for all students during the first two years, but provides for specialization in the upper division courses in (1) forest management, (2) logging engineering, (3) forest products, and (4) the business of lumbering. Arrangements may also be made for specialization in other lines associated with forestry and lumbering. Consult the Dean of the College of Forestry. Students should decide by the end of their sophomore year in which field they desire to specialize. The student should be especially careful to register for the electives required for his advanced specialized courses as no student will be admitted to the advanced subjects who has not had the necessary prerequisites. These are definitely stated in connection with the course descriptions.

Chem. 1 (Gen Chem.).. 5

Phys. Ed. or Mil. Sci.... 1%

Econ. 1 (Gen.)

LOWER DIVISION

It will be the aim to prepare students who cannot go farther than the end of the Lower Division for forest ranger service, and as assistants to logging engineers. Upon approval of the dean they will be allowed to substitute certain of the subjects of the junior year for some of the required freshman and sophomore work.

FIRST YEAR

Autumn Quarter Oredits	Winter Quarter	Oredita	Spring Quarter	Oredita
For. 1 (Dend.) 5 - For. 2 (Gen. For.) 8 -				
Math. 54 (Foresters) 3	Math. 55	8	For. 4 (Protection)) 3 —
English 3 For. 5 (Woodcraft) 2	C. 10. 55	2		
Phys. Ed. or Mil. Sci 1% Shop	Phys. Ed. or Mil. Sc Shop	1 1%	Phys. Ed. or Mil. ?	3ci 1%
	Shop SECOND YEAR	الرياز ا	3 ·	- 18 A.
For. 53 (Construction) 3 For. 57 (Silvics) 3	Chem. 2 (Gen. Chem. For. 51 (Mensurat.)	.) 5 5	For. 52 (Mensurat For. 58 (Silvicul.	.) 5

Phys. Ed. or Mil. Sci... 1% UPPER DIVISION

English

Elective

Beginning with the Upper Division, the student should carefully consider the electives with reference to the specialty he intends to make his life work.

8 / Geol. 5 (Forestry)..... 5

Phys. Ed. or Mil. Sci.... 1%

THIRD YEAR

For. 101 (Technol.) 5 Physics 97 (Engs.) 5 M.E. 82 (Steam Engs.) 8 Recreation		For. 105 (Preserva.) 5 Physics 99 (Engs.) 5 For. 104 (Tim. Tests) 5
4 D	Suggested Wiestings	

Suggested Blectives

Chem. 101 (Qual Anal.) 5	Chem. 111 (Quant An.) 5	Bot. 111 (Pathology) 5
B.A. 11 (Accounting) 5		B.A. 56 (Bus. Law) 8
C.E. 22 (Log. R.B.) 5	B.A. 55 (Bus. Law) 3	
B.A. 54 (Bus. Law) 3	M.E. 83	

FOURTH YEAR

For. 151 (Management) 5 For. 153 (Gen. Lumber) 5 For. Recreation Recreation	For. 152 (Management) 5	All elective.
-----------------------------------------------------------------------------	-------------------------	---------------

Suggested Electives

		(Log. Eng.)		For.	186	(Log.	Eng.)	4	For.	187	(Log.	Eng.)16
For.	183	(Milling)	5	For.	184	(Mfg.	Prob.)	8				Prod.) 5
				For.	119	(Adm	in.)	3			•	,

GRADUATE

The following subjects are primarily for graduate students. Seniors will be allowed to elect them only upon recommendation of the dean and the instructor concerned. With the exception of the thesis none of the subjects is, strictly speaking, required, but the student will elect all those belonging to one specialty as determined upon consultation with his class adviser. A sufficient number will have to be taken to fulfill the requirements for the master's degree.

For. For.	201 208	(Thesis) (For. Geog.) (Seminar (History)	8 2	For. 202 (Thesis) 8 For. 209 (Seminar) 2 Elective	For, 228 (Adv. Manage.) 8
--------------	------------	---------------------------------------------------	--------	---------------------------------------------------	---------------------------

Courses

For description of courses, see Departments of Instruction, printed elsewhere in this catalogue. (See Index).

4

4.6

૪ €

30 X 60

15/2

PRACTICAL SHORT COURSES IN FORESTRY, LOGGING AND LUMBERING

GENERAL INFORMATION

Admission—Without examination. Only requirement is that applicants must be at least 20 years old and show evidence of ability to carry the work with profit to themselves. If in doubt write. See special requirement under course in Logging.

Expenses—The total expenses for the twelve weeks, exclusive of fare to Seattle, need not exceed \$165.

Tuition\$20
Deposit for material supplied\$ 2
Deposit to insure care in use of instruments (returnable)\$ 3
Board and lodging, per month\$40
Books, drawing instruments, etc\$10-15
Field trips, about\$10

Equipment Required—Since much of the field work will be done in the woods each man should be equipped with suitable rough clothing and shoes. Men owning compasses or barometers are requested to bring them.

How to Enroll—On arrival at the University, students should report at the Office of the Dean, Room 209 Forest Products Laboratory, where they will be given all necessary directions.

The time for the course is limited, all men should report for enrollment on January 2 or 3, in order that all classes may begin promptly at 8 o'clock on the morning of January 4.

Attendance and Deportment—Students in these courses will be expected to attend classes regularly and in all respects will be required to observe the same rules that apply to the regular long course students in the University.

Examination and Certificate.—Examinations will be given in the various subjects at the close of the course and a certificate showing the work satisfactorily covered issued to each student.

Special Lectures and Demonstrations—Arrangements are now under way for a number of special lectures and demonstrations by prominent men in forestry and lumbering.

Three distinct courses are offered:

I. Forestry: For men who are now employed as forest rangers and guards who wish to increase their efficiency, for persons who wish to prepare for this work and for timberland owners who desire some practical knowledge of the care and management of their timber holdings. The course includes the following subjects: Forest Administration, Characteristics of Trees, Silviculture, Forest Measurements, Surveying, Logging, Forest Economics.

Note: Elective courses will be given only if a sufficient number elect them.

II. Logging: For persons engaged in woods work about the donkey engine, with the scaler, the cruiser, the logging engineer, or in any other capacity, who wish to prepare themselves for advancement. It is not for men engaged in mill work. All persons wishing to enter this course must have had at least 3 months' experience in a logging camp and should at time of registration bring a statement to this effect from a former employer or foreman.

This course includes the following subjects: Characteristics of Trees, Surveying, Forest Measurements, Forest Economics, Logging, Electives from Forestry Course.

III. Lumber and Its Uses. Outlined with special reference to presenting this information for the use of persons engaged in office work at the sawmills, lumber salesmen, architects, engineers, builders and building inspectors.

The course includes the following subjects: Characteristics of Trees, I roperties of Wood, Wood Utilization, Forest Economics.

Other subjects to be elected from the course in forestry.

SCHOOL OF LAW

THE FACULTY

HENRY SUZZALLO, Ph.D. (Columbia), LL.D. (California)	PRESIDENT
JOHN THOMAS CONDON, LL.M. (Northwestern)	r of Law; DEAN
HARVEY LANTE, A.M. (De Pauw), LL.B. (Kent)	Professor of Law
IVAN WILBUR GOODNER, LL.B. (Nebraska)	Professor of Law
CLARK PRESCOTT BISSETT, A.B. (Hobart)	Professor of Law
LESLIE JAMES AVER, B.S., J.D. (Chicago)	Professor of Law
JOSEPH GRATTAN O'BRYAN, A.B. (Jesuit College)	Lecturer on Law

ORGANIZATION AND EQUIPMENT

General Statement.—The Law School of the University of Washington was established in 1899. The case system is generally used and is designed to give an effective knowledge of legal principles and to develop the power of independent legal reasoning. A thorough legal training is offered to students of maturity and with previous preliminary education, and the courses offered are adapted to train and fit the student for practice in any state or jurisdiction. Special attention and emphasis is given to the law of the state of Washington, and in the illustrations and development of legal principles, cases and statutes are largely cited from the state of Washington and other Northwestern and Pacific states. The Law School is a member of the Association of American Law Schools.

The Law Building.—The Law School occupies the entire upper floor of Commerce Hall. This building, which is one of the largest of the University buildings and is in the center of the campus, in the Liberal Arts Quadrangle, represents the best in modern construction and equipment. The law library occupies the entire north end, and an idea of its roominess may be gained from its dimensions, which are, exclusive of stacks, forty by seventy feet. In addition to this general reading room, there is a large consultation room, twenty-five feet square, adjoining. There are three large lecture or recitation rooms, and a large room fitted and used exclusively for the trial court. These are all readily accessible to each other, and every convenience and improvement tending to add to the efficiency of the student, from an equipment standpoint, is present.

The Libraries.—The University law library consists of about 25,000 volumes. It contains the reports of all the courts of last resort, the reported lower courts of several states and the English courts. The latest revisions of all the state statutes and a large collection of the session laws of the various states, including a complete set of each of the Pacific Coast states, are important features.

The library is catalogued and indexed by the Library of Congress cards. The University general library contains 112,870 volumes and is especially strong in reference works.

The Public Library of the city of Seattle is open to the free use of our students and is within easy distance of the campus by street car.

GENERAL INFORMATION

The four quarter system is adopted in the Law School. Each quarter is approximately for twelve weeks, and credit for work is usually on the basis of one credit representing a recitation or lecture course one hour per week per quarter. In adopting this system the total hour values of courses prevailing in the schools of the Association of American Law Schools have been generally retained—e. g., courses formerly given two hours per week per semester are under the quarter system given three hours per week per quarter. This makes possible a better sequence of courses in the first year and permits students to enter at the opening of any quarter. However, students beginning the study of law cannot be registered for the full fifteen-hour course except when entering at the first, or autumn quarter.

Fees.—A fee of fifteen dollars (\$15) per quarter for persons who have been domiciled in the state of Washington or territory of Alaska, for at least one year prior to date of registration, and of fifty dollars (\$50) per quarter for all others, is charged in the Law School, payable at the beginning of each quarter. A law library fee of ten dollars (\$10) per quarter is also charged all law students, payable at the beginning of each quanter. A diploma fee of five dollars (\$5) is charged all students to whom diplomas are issued.

For information on other general University fees and expenses applicable to all students, see pages 49-53.

Admission to the Bar.—The Law School of the University of Washington is by law made the standard of approved law schools for the purpose of admission to the bar of this state. Students intending to practice in the state of Washington should consult the dean of the Law School upon entering the Law School, and register in accordance with the rules of the State Board of Law Examiners.

Admission and Graduation

To be admitted to regular standing in the Law School students must present acceptable credits or pass examination entitling them to admission to this University and in addition thereto present a junior certificate from the College of Liberal Arts or the College of Science of this University, or present acceptable credits or pass examinations equivalent to the junior certificates. The entrance requirements are stated fully in the section of the catalogue relating to entrance information (Pages 40-47.)

Advanced Standing.—If in addition to satisfying the entrance requirements for regular standing in the Law School, the student has earned credits in another law school of satisfactory standing, by regular attendance for at least one academic year of not less than eight months, he will ordinarily receive credit for such work, subject to the following restrictions: The work must equal in amount and character that required by this Law School. Not more than two years' credit will be allowed for such work. The right is reserved to refuse advance credit in law in whole or in part, save upon examination. Candidates for a degree, with advanced standing, must spend at least one full college year in the Law School.

Special Students.—No person will be admitted as a special student in law, unless he is twenty-one years of age and his general education is such as to entitle him to take the state bar examination.

Special students who comply with these requirements and with the regulations for admission of special students (see General Information, page 45) will be admitted to take such work in law as their previous preparation

4

enables them to carry successfully, and upon satisfactory completion of sufficient law work to entitle them to take the state bar examination, will be given a certificate or affidavit entitling them to apply for examination. Students who intend to take this method must file notice of their intention to study law with the clerk of the Supreme Court as required by law.

Special Students Becoming Candidates for Degree.—Special students may become candidates for a degree upon complying with all the entrance requirements as above set forth in reference to regular students. If a special student intends to become a candidate for a degree by clearing up his entrance requirements during his law studies, he must notify the dean of the Law School upon registration. Such students will be permitted to carry a limited amount of work in the College of Liberal Arts or the College of Science to enable them to clear up their entrance requirements in law.

Combined Curriculum in Arts and Law.- This combined course allows the student with a good record to complete the requirements for the degrees of bachelor of arts and bachelor of laws in six years. It is open only to those students who have maintained a uniformly good record for scholarship during the first three years of Liberal Arts.

The student is enrolled in the College of Liberal Arts during the first three years. If at the end of three years he has uniformly good record for scholarship and has earned 135 or more credits, including all the required work, he may for the fourth year register in the Law School for the first year's work in law and must earn in the College of Liberal Ants additional credits sufficient to make his total of arts and science credits amount to 144, and earn in the Law School at least 36 credits in the first year law work, to apply on his bachelor of arts degree, thus making his 180 credits required for the degree of bachelor of arts. The degree of bachelor of arts may be granted upon the completion of the fourth year.

The last two years of this combined course are devoted to completing

the rest of the work in the Law School.

Students are advised to complete their full 144 credits in Liberal Ants by the end of the third year, so they can enter the law work clear in the fourth

Students from other schools entering this University with advanced standing may take advantage of this combined course, provided they are registered in the College of Liberal Arts for at least one full year's work and earn at least 45 credits in the University before entering the law work.

This privilege will not be extended to normal graduates attempting to graduate in two years nor to undergraduates of other colleges who enter this University with the rank of senior.

Thesis.—It is the desire of the faculty to encourage original investigation and research by the students. Each candidate for a degree is required to prepare and deposit with the dean of the Law School, before the beginning of the spring vacation of his senior year, a thesis of not less than thirty folios in length, upon some legal topic selected by the student and approved by the faculty. The student will be examined by the faculty upon this thesis. It must be printed or typewritten, and is to be kept permanently in the library of the Law School.

The Jaggard Prize.—Miss Anne Wright Jaggard, daughter of the late Edwin Ames Jaggard, LL.D., Justice of the Supreme Court of Minnesota, offers an annual prize of \$50 for the best thesis submitted by members of the senior class, candidates for the degree of bachelor of laws, upon a subject. in the courses of history of the law or jurisprudence.

Summer Session of the Law School.—Courses are offered each summer by the Law School for both beginning and advanced students. Different courses are offered successive summers. This work counts toward a degree as a part of the regular instruction of the Law School. By increasing the number of periods per week, the equivalent of a quarter's work in the regular session is completed in each of the offered courses.

Instruction in Other Departments.—Students in the Law School may pursue studies, for which they are prepared, in other departments of the University without charge, other than the prescribed fee for excess hours, except that in laboratory courses the usual laboratory deposits will be required.

Degrees.—The degree of bachelor of laws (LL.B.) will be conferred on all students who comply with the entrance requirements for regular students stated hereinbefore, remain in residence in the Law School for three school years, successfully complete all the law work in the Law School, aggregating 135 credits, and comply with all the rules and regulations of the faculty and board of regents of this University.

Students admitted to advanced standing based upon credits earned at another law school may count that work toward graduation, subject to the restrictions heretofore stated.

Examination.—The members of each class are examined daily throughout the year in their studies, and may be subjected to written examinations at any time in the discretion of the faculty without notice. At the end of each quarter the members of each class are subject to written examination on the courses during the year, and their promotion is dependent on successfully passing such examination.

To receive the degree of bachelor of laws it is necessary to pass satisfactory examinations in the entire course of three years. Students who pass these examinations with distinguished excellence will receive the degree of bachelor of laws cum laude.

Courses

For description of courses, see Departments of Instruction, printed elsewhere in this catalogue. (See Index).

COLLEGE OF MINES

THE FACULTY

HENRY SUZZALLO, Ph.D. (Columbia), LL.D. (California), PRESIDENT
JOHN THOMAS CONDON, LL.M. (Northwestern),
MILNOR ROBBETS, A.B. (Stanford) Professor of Mining Engineering and Metallurgy; DEAN
JOSEPH DANIELS, S.B. (Massachusetts Institute of Technology), M.S. (Lehigh),
Associate Professor of Mining Engineering and Metallurgy
CLARENCE RAYMOND CORFY, E.M. (Montana State School of Mines), A.M. (Columbia),
HEWITT WILSON, Cer.E. (Ohio State Uuniversity),Assistant Professor of Ceramics
HARVEY L. GLENN, B.S. (Iowa State College),Lecturer on Assaying of Bullion.
FREDERICK POWELL, E.M. (Columbia), Lecturer on Gold Dredging
JOHN G. SOHONING, Foreman Miner in charge of Mine Rescue Training, U. S. Bureau of Mines, Mine Safety Station.
HAROLD V. REDMOND,
George P. McCormick
JAMES MCKIM, Assistant in Ore Dressing
JOHN THOMAS CONDON, LL.M. (Northwestern) Professor of Law
HENRY KREITZER BENSON, Ph.D (Columbia), Professor of Chemical Engineering
TREVOR KINOAID, A.M. (Washington), Professor of Zoology
FREDERICK ARTHUR OSBORN, Ph.D. (Michigan),
ROBERT EDOUARD MORITZ, Ph.D. (Nebrasha), Ph.N.D. (Strassburg),
ROBERT EDUCARD MORITZ, FR.D. (Nebrasar), FR.R.D. (Strassburg),
CARL EDWARD MAGNUSSON, E.E. (Minnesota), Ph.D. (Wisconsin),
Professor of Electrical Engineering and Dean of the College of Engineering
EVERETT OWEN EASTWOOD, C.E.,A.M. (Virginia), S.B. (Massachusetts Institute of Technology),
DAVID CONNOLLY HALL, Sc.M., M.D. (Chicago), Professor of Hygiene
CHARLES CHURCH MORE, M.S., C.E. (Lafayette), M.C.E. (Cornell),
Professor of Civil Engineering
WILLIAM FRANKLIN ALLISON, C.E. (Cornell),
CHARLES LEONARD PHILLIPS, Colonel C.A.C., U.S.A., (U.S. Military Academy), A.B.
(Colby), C.E. (Maine),
LOREN DOUGLAS MILLIMAN, A.B. (Michigan), Associate Professor of English
CHARLES WILLIAM HARRIS, C.E. (Cornell), Associate Professor of Civil Engineering
VANDERVERE CUSTIS, Ph.D. (Harvard), Associate Professor of Economics
GEORGE SAMUEL WILSON, B.S. (Nebraska), Associate Professor of Mechanical Engineering
EDGAR ALLEN LOEW, B.S., E.E. (Wisconsin), Associate Professor of Electrical Engineering
HENRY LOUIS BRAKEL, Ph.D. (Cornell),Associate Professor of Engineering Physics
*CHARLES EDWIN WEAVER, Ph.D. (California), Associate Professor of Geology
ALLEN FULLER CARPENTER, Ph.D. (Chicago),Associate Professor of Mathematics
GEORGE IEVING GAVETT, B.S., (C.E.) (Michigan),Assistant Professor of Mathematics
George E. Goodspeed, S.B. (Massachusetts Institute of Technology),
FRED HARVEY HEATH, Ph.D. (Yale), Assistant Professor of Chemistry
CHRIS. G. DOBSON, E.M. (Montana State School of Mines).
Acting Instructor in Civil Engineering
,
• • • • • • • • • • • • • • • • • • • •
ANTEREST TO A TO A TOTAL

ADVISORY BOARD COLLEGE OF MINES UNIVERSITY OF WASHINGTON

SCOPE AND FACILITIES

Degrees.—The College of Mines offers specialized training in mining engineering, metallurgy, and ceramics. The four-year curricula lead to degrees as follows:

- I. Bachelor of science in mining engineering, B.S. (Min.E.)
- II. Bachelor of science in geology and mining, B.S. (Geol. and Min.)
- III. Bachelor of science in metallurgical engineering, B.S. (Met.E.)
- IV. Bachelor of science in coal mining engineering, B.S. (Coal Min. E.)
- V. Bachelor of science in ceramic engineering, B.S. (Cer. E.)

The degree of engineer of mines (E.M.) is given to graduates in mining engineering who have practiced their profession for at least three years and who present a satisfactory thesis. Graduates in metallurgy may receive the degree of metallurgical engineer (Met.E.) under similar conditions, and the appropriate advanced degrees are also open to graduates of the other curricula.

Mining and Metallurgical Industries Available for Study.—Excellent opportunities for becoming familiar with mining and metallurgical operations are open to students in the College of Mines. Mining machinery of the best type is in operation within, easy reach of the University. Much of the heavy mining machinery used in the neighboring states and Alaska is built in the city of Seattle, while patented machines, such as drills and concentrating tables of all makes, are kept in stock and as working exhibits by the firms that supply the North Pacific coast regions. More than 40 eastern firms dealing in mining equipment make their Seattle branches the distributing center for the Pacific Northwest, British Columbia and Alaska. Methods important to the mining engineer are the operations of the steam shovels, which are now used largely in iron, copper and gold mining. The engineers in charge of these plants have given the mining students every opportunity to become familiar with the methods of planning and carrying on the work, and the same statement applies to the mine operators throughout the state.

A partial list of the other available works of interest includes coal mines and coke ovens, with the largest production west of the Rocky mountains; metal mines of gold, silver, copper, arsenic, antimony, iron, etc.; cement plants, several stone quarries and dressing works; clay mines, clay and pottery works; gravel and sand pits with large production and approved methods; a region of varied geology with many economic minerals; the Tacoma smelters and refineries; the U.S. assay office; the West Seattle steel plant of the Pacific Coast Steel Co., and several plants engaged in electro-metal-lurgical work.

Laboratories.—For description of mining, metallurgical and ceramic laboratories, see page 34.

Mining Society.—The Mining Society, affiliated with the American Institute of Mining and Metallurgical Engineers, has a membership composed of all students in the College. At the monthly meetings of the society addresses are made by prominent mining engineers, and papers descriptive of their summer work are presented by the student members.

MINING AND METALLURGICAL RESEARCH

The purpose of this department is to stimulate and encourage development in the mining, metallurgical and ceramic industries of Washington, the Pacific Northwest and Alaska by research in the special problems presented, and to solve the problems through the efforts of fellowship holders and others studying in the department. Graduates from suitable technical courses at institutions of recognized standing, or men who present evidence of technical training which has fitted them to undertake investigations, are eligible to enroll in mining and metallurgical research. The degree of master of science may be granted to those students who, holding a suitable bachelor of science degree, complete investigative work in compliance with the University requirements for the master's degree. Although as much latitude as possible will be allowed in the choice of subjects for research, the general topics will be those which are of special importance to this region.

Research Fellowships.—In connection with the department, five research fellowships of \$780 annual value have been established. These fellowships are open to qualified graduates of scientific or technical courses in institutions of recognized standing. Applicants should send a copy of their record from the registrar's office of the college where they have been, or will be, graduated, and the names and addresses of at least three references who know their character, training and ability. Applications for these fellowships are due not later than June 1, and should be addressed to the Dean, College of Mines, Seattle, Washington.

Appointees to the fellowships report for duty on July 1, and are required to be on duty during the entire year, except that in case of reappointment for a second year, the fellowship holder is given a vacation from June 15 to July 1.

Fellowship holders are required to register as graduate students in the University of Washington and to become candidates for the degree of master of science in mining engineering, metallurgical engineering, or ceramic engineering, unless an equivalent degree has previously been earned.

Arthur A. Denny Fellowship.—In addition to the foregoing a fellowship of \$500 annual value is open to students in the College of Mines who are residents of the state of Washington. This fellowship is awarded on the bases of scholastic excellence and general merit, but only to those who need financial assistance. Applications must be made to the Dean of the College before March 15 preceding the academic year for which the fellowships are to be granted. The purpose of the fellowship is to encourage graduate work in the College.

Investigations of Problems.—The University will, under certain conditions, permit mining and metallurgical companies who have special problems for solution, to detail a representative to work on such problems, or to meet the expense of engaging a man to do so. Experiments which can be carried on as readily in commercial laboratories and which do not require direction from the Bureau's experts are not undertaken. The research work shall be under the direction of the department, and complete records of all the data obtained in the investigation of the problems shall be filed with the department which shall have the right to publish this information for the benefit of the mining and metallurgical industry.

Instruction for Coal Mining Men.—Miners taking the rescue training also receive instruction in the College of Mines on the subjects of mine gases, explosions and the origin and distribution of Pacific Coast and Alaska coals. Laboratory experiments are carried on to show the methods of analyzing coals and determining the uses to which they may be put. The methods of testing for permissible explosives at the Pittsburgh station and the safe methods of charging, tamping, and firing are explained. Coal men interested in the washing of coals are given full practice with the several types of apparatus used for this purpose.

Winter Session for Mining Men.—Applicants must be at least twenty years old. Admission to classes is without examination. For schedule of courses see pages 155, 156.

REQUIREMENTS FOR ADMISSION

Full information regarding requirements for admission, registration, and expenses may be found on pages 40, 48, 49.

CURRICULA OF THE COLLEGE OF MINES

MINING ENGINEERING (OPTION I), & 4 +10
FIRST YEAR
Autumn Quarter Oredits Winter Quarter Oredits Spring Quarter Oredits Mathematics 51 4 Mathematics 52 4 Mathematics 53 4 Civil Engineering 1 8 Civil Engineering 2 3 Civil Engineering 13 3 Civil Engineering 11 3 Civil Engineering 12 3 Civil Engineering 21 3 Chemistry 1 or 21 5 Chemistry 2 or 22 5 Chemistry 3 or 23 5 Mil. Sci. or Phys. Ed. 124 Mil. Sci. or Phys. Ed. 125 Mil. Sci. or Phys. Ed. 124 Mil. Sci. or Phys. Ed. 124
SECOND YEAR 13
Mathematics 61 3 Mathematics 62 3 English 4 3 Physics 97 5 Physics 98 5 Physics 99 5 Geology 1 5 Geology 21 5 Geology 120 3 Mining 51 3 Civil Engineering 27 3 Chemistry 111 5 Mil. Sci. or Phys. Ed. 1% Mil. Sci. or Phys. Ed. 1% Mil. Sci. or Phys. Ed. 1%
†Mining Practice in Summer Vacations.
THIRD YEAR 16
Tital Island
Civil Engineering 131 . 8 Geology 123
FOURTH YMAR
Mining 151 3 Mining 154 2 Mining 152 5 Mining 153 2 Mining 162 3 Mining 155 1 Metallurgy 155 3 Geology 127 5 Mining 182 3 Metallurgy 162 2 Mining 103 1 Electives 5 Electives 4 Electives 6
15- /10-
GEOLOGY AND MINING (OPTION II) FIRST YEAR
FIRST YEAR
Autumn Quarter Oredits Winter Quarter Oredits Spring Quarter Oredits
Autumn Quarter Gredits Winter Quarter Gredits Spring Quarter Gredits Mathematics 51 4 Mathematics 52 4 Mathematics 53 4 Civil Engineering 1 3 Civil Engineering 2 3 Civil Engineering 13 3 Civil Engineering 11 3 Civil Engineering 12 3 Civil Engineering 21 3 Chemistry 1 or 21 5 Chemistry 2 or 22 5 Mil. Sci. or Phys. Ed 1% Mil. Sci. or Phys. Ed 1% Mil. Sci. or Phys. Ed 1%
SECOND YEAR
Mathematics 61 3 Mathematics 62 3 Geology 4 3 Physics 97 5 Physics 98 5 Physics 99 5 Geology 1 5 Geology 21 5 Geology 120 3 Mining 51 3 Civil Engineering 27 3 Chemistry 111 5 Mil. Sci. or Phys. Ed. 126

tPractice in mining, metallurgy, geology or ceramics, accompanied by a report on the work performed is required of all students during a summer vacation following the sophomore or junior year.

THIRD YEAR

	Autumn Quarter Oredit Winter Quarter Credit Spring Quarter Credit Civil Engineering 181 3 Civil Engineering 182 3 Geology 122 2 4 Geology 123 3 Geology 124 2 Geology 125 2 4 Mining 101 3 Metallurgy 103 3 Metallurgy 102 5 Metallurgy 101 5 Metallurgy 158 3 Mining 106 2 Mechanical Eng. 54 1 Electives 8 English 4 3 †Mining practice in summer vacations. 7 Transport Value 7 Amount of the property o	44
	FOURTH YEAR	1.5
	Mining 151 3 Mining 154 2 / Mining 152 5 Mining 153 2 Mining 162 3 Mining 155 1 Metallurgy 162 2 Geology 127 5 Geology 138 5 Geology 126 3 Mining 103 1 Electives 4 Electives 4	do
	METALLURGICAL ENGINEERING (OPTION III)	
	FIRST YEAR 183+10	
	Autumn Quarter Credite Winter Quarter Credite Spring Quarter Credite Mathematics 51 High 1944 Mathematics 52 7	45
	SECOND IEAR !	
	Mathematics 61 Calc. 3 Mathematics 62 Calc. 3 English 4	12
	Civil Engineering 181 3 Civil Engineering 182 3 Electrical Eng. 121-122. 6 Mining 101	15
	Mining Practice in Summer Vacations.	
	- /5	
	FOURTH YEAR	1
,	Mining 151 Mining 154 There 2 Mining 152 Victorian Mining 153 Metallurgy 168 Mining 155 There 2 Metallurgy 168 Metallurgy 165 Mining 103 Metallurgy 165 Metallurgy 165 Mining 103 Metallurgy 165 Mining 103 Metallurgy 165 Mining 103 Mining 103 Metallurgy 165 Mining 103 Mining 103 Metallurgy 165 Mining 103 Mining 1	183+
	COAL MINING ENGINEERING (OPTION IV)	
	FIRST YEAR 184+10	
	Autumn Quarter Credits Winter Quarter Credits Spring Quarter Credits Mathematics 51 4 Mathematics 52 4 Mathematics 53 4 Civil Engineering 1 3 Civil Engineering 2 3 Civil Engineering 13 3 Civil Engineering 11 3 Civil Engineering 12 3 Civil Engineering 21 3 Chemistry 1 or 21 5 Chemistry 2 or 22 5 Mill. Sci. or Phys. Ed 124 Mil. Sci. or Phys. Ed 125 Mil. Sci. or Phys. Ed 126 Mil. Sci. or Phys. Ed 127	41'
	Practice in mining, metallurgy, geology or ceramics, accompanied by a report on the work performed is required of all student during a summer vacation following the sophomore	
	or junior year.	

SECOND YEAR

Autumn Quarter Oredits Mathematics 61 3 Physics 97 5 Geology 1 5 Mining 51 8 Mil. Sci. or Phys. Ed 134		Geology 4
Į •	THIRD YEAR	7)6
Civil Engineering 131 3 Mining 101	Civil Engineering 132 3 Electrical Eng. 101-102. 6 Mining 122 3 Metallurgy 103 3	Electrical Eng. 121-122 . 6 Metallurgy 102 5 English 4 3 Mining 108 2
#Mining Practice in Summ	er Vacations.	16
- 13	Wanner Wasa	(5
•	FOURTH YEAR	•
Mining 151	Mining 154 2 Mining 171 3 Mining 176 5 Mining 103 1 Electives 4	Mining 155 1 Mining 182 3 Mining 178 2 Electives 9
in the state of th		10
	>	
CER	AMIC ENGINEERING (OPTION	(v) (a) +10
		1011,
	FIRST YEAR	
Autumn Quarter Gredits	Winter Quarter Oredits	Roring Quarter Gradita
Mathematica 51	Mathematics 52	Spring Quarter Oredits Mathemtics 53 4 Civil Engineering 13 3 Civil Engineering 21 3 Chemistry 3 or 23 5 Mil. Sci. or Phys. Ed 1%
	SECOND YEAR	
Mathematics 61 3 Physics 97 5 Geology 1 5 Mining 51 3 Mil. Sci. or Phys. Ed. 1%	Mathematics 62	Ceramics 90 3 Physics 99 5 Geology 120 3 Chemistry 111 5 Mil. Sci. or Phys. Ed. 14
	THIRD YEAR	
Civil Engineering 131 . 3 Mining 101	Civil Engineering 132 . 3 Metallurgy 158 . 2 Chemistry 182 / 2 Ceramics 101	English 4
•	FOURTH YEAR	, 4
Ceramics 121 5 Ceramics 131 3 Electives 7	Ceramics 122 5 Ceramics 132 3 Mining 103 1 Electives 6	Ceramics 123

Courses

For description of courses, see Departments of Instruction, printed elsewhere in this catalogue. (See Index).

[‡]Practice in mining, metallurgy, geology or ceramics, accompanied by a report on the work performed is required of all students during a summer vacation following the sophomore or junior year.

WINTER SESSION FOR MINING MEN

The twenty-sixth annual winter session for mining men will open on January 4, 1923, and will continue until March 21. During this period each year twelve of the instructors in mining engineering offer a course for the benefit of persons interested in prospecting, mining, milling, assaying or smelting. A five-day excursion to a mining district is offered at the close of the session. Admission to the class is without examination. No previous preparation, training, or mining experience is necessary to enter the course, other than ability to read and write English. Many practical men with an interest in some branch of mining but with little education have obtained satisfactory results from the course; others with a college education and mining experience have gained much up-to-date training and information. The past experience and future aims of each student are taken into consideration, and the character of his work arranged accordingly. Prospectors and mining men may bring in their own ores and minerals for study, for assay, or for concentration tests, by ordinary wet methods or by flotation.

Instruction is given by lectures, laboratory exercises, and visits to mines and plants in operation. Each year a group of mining men is engaged to give special lectures during the period of the short session. These men represent the fields of coal, quartz and placer mining, dredging, milling and smelting.

Three general groups of studies are offered: (1) quartz mining; (2) placer mining; (3) coal mining.

- 1. Quartz Mining.—For men interested in quartz or lode mining, the course outlined consists of geology, mineralogy, mining, milling, field trips, mining law, surveying, chemistry and fire assaying. Optional subjects are forge and foundry, mine-timber framing, and mine rescue and first-aid training.
- 2. Placer Mining.—The placer mining group embraces surveying, hydraulic mining, placer mining, geology, mineralogy, mining, milling, mining law, and forge and foundry.
- 3. Coal Mining.—For coal miners the courses consist of coal analysis, coal washing, gas and lamp testing, mine rescue and first-aid training, chemistry, geology, mineralogy and surveying.

GENERAL INFORMATION

Students need not enroll for all the subjects listed in a group, changes in the choice of subjects in each group may be made, depending on individual circumstances. For students who return a second year, special courses are arranged in continuation of their previous work.

A tuition fee of \$20 is required of all students registering in the winter mining session, and each student makes a deposit for laboratory supplies actually used and also buys his own books. The deposits in the various courses are stated under the description of the subjects. Books and supplies cost on the average about \$10. The total cost of the full course for three months is less than \$40 in the placer group and \$60 in the quantz mining studies. All deposits are made at the beginning of the course.

Rooms and board may be obtained in the university district at reasonable costs. The University operates a cafeteria, and several good restaurants are located close to the University. A list of boarding and rooming-houses is kept on file at Mines hall for the benefit of prospective students. The use of library, gymnasium, showers and the privilege of attending lectures, concerts and assemblies, are open to all winter session students.

Students who satisfactorily complete a course of study are given upon request a certificate stating the amount and character of the work done.

TIME SCHEDULE, WINTER SESSION, COLLEGE OF MINES

	8:00	9:00	10:00	11:00	1:00-4:00
Mon.	Surveying DOBSON Mines Hall	LAT	l Mineralogy NDES ence Hali	Mining ROBERTS Mines Hall	Surveying Field Work, Mines Hall or Forge and Foun- dry. KANE Foundry Bidg.
Tues.	Mining Law O'BRYAN 300 Commerce	Mining ROBERTS Mines Hall	Chemistry Benson 307 Bagley	Milling DANIELS Mines Hall	Mining & Milling Laboratory Mines Hall
Wed.	Surveying Dobson Mines Hall	LA	l Mineralogy NDES ence Hall	Fire Assaying COREY Mines Hall	Fire Assaying Luboratory COREY Mines Hall
Thurs.	Mining Law O'BRYAN 309 Commerce	Mining ROBERTS Mines Hall	Chemistry BENSON 307 Bagley	Milling DANIELS Mines Hall	Fire Assaying Laboratory COREY
Fri.		LAN	Mineralogy DES ence Hall	Milling DANIELS Mines Hall	Mines Hall Chemistry Labor- atory, Benson Bagley Hall
Sat.	Surveying field v	vork or field tri	ps. (Time of	other coursest to	be arranged).

For more detailed information apply to the dean of the College of Mines.

COLLEGE OF PHARMACY

THE FACULTY

HENEY SUZZALLO, Ph.D. (Columbia), LL.D. (California),
*ABTHUE WILSON LINTON, B.S. (Michigan), M.S. (Washington,Associate Professor of Pharmacy
COENELIUS OSSEWAED, Ph.G., (New York College of Pharmacy, Dept. of Columbia University) Ph.C., (Northwestern University)
FOREST J. GOODEICH, Ph.C., M.S., (Washington),
JAMES THOMPSON, B.S., (Minnesota),Director of Drug Garden
EVA SABINE CARE, Ph.C., B.S., (Washington,
HENEY K. BENSON, Ph.D (Columbia),
FREDERICK ARTHUR OSBORN, Ph.D., (Michigan),
PIERRE JOSEPH FREIN, Ph.D., (Johns Hopkins),
THEODORE CHRISTIAN FRYE, Ph.D., (Chicago),
ROBERT EDOUARD MORITZ, Ph.D., (Strassburg),
STEPHEN IVAN MILLER, JR., A.B., (Stanford), LL.B., (Michigan,
ERNEST OTTO ECKELMAN, Ph.D., (Heidelberg),
ELI VICTOR SMITH, Ph.D., (Northwestern),

THE COLLEGE AND ITS EQUIPMENT

The College of Pharmacy was organized in 1894 to provide an opportunity for young men and women to become well trained practical pharmacists. The work of the original two-year course has been extended to three, four and five year courses. In the three-year course complete training is offered in technical and commercial pharmacy; in the four-year course an opportunity for training in more advanced scientific pharmacy together with a liberal training in other sciences and in languages. The five-year or graduate course offers an opportunity to do research work in one of the most fertile fields of modern science.

The students in pharmacy share the advantage and enjoy the spirit of one of the foremost educational institutions of the Pacific Coast.

REQUIREMENTS TO PRACTICE PHARMACY IN THE STATE OF WASHINGTON

The Administrative Code passed by the 1921 legislature abolished the Board of Pharmacy and placed the registration of pharmacists under a new department created by the Code and called the Department of Licenses.

The Department of Licenses will continue to enforce the requirements for registration as pharmacists that have been enforced by the Board of Pharmacy since 1914.

These requirements are;—1. Graduation from an approved College of Pharmacy.

- (a) Graduates of two-year courses are required to have two years of practical experience.
 - (b) Graduates of three-year courses are required to have 18 months of practical experience.
 - (c) Graduates of four-year courses are required to have 12 months of practical experience.

Graduates of the University of Washington College of Pharmacy are registered without examination upon payment of a fee of \$8. Graduates who have not had the required amount of practical experience are registered as assistant pharmacists and upon completing the required amount of practical experience obtain full registration as pharmacists.

Higher Standards in Pharmacy.—The minimum course of study in the College of Pharmacy is Three Years. The aim of this course is to give thorough scientific training for retail pharmacists; if the student desires, he may elect certain studies in the College of Business Administration that will better prepare him for the business side of retail pharmacy.

Retail pharmacy is recognized both as a profession and a business. The College of Pharmacy desires to meet as far as possible these two conditions. Special attention is given, primarily, to a thorough scientific training for the compounding and dispensing of drugs and medicines; such business training will be included as time will permit in the three-year course. Students desiring further business training can complete, in one more year, the four-year combined scientific and business course. In this four-year course the student receives training in economics, psychology, business law, accounting, advertising, salesmanship and business management. All of this training is useful in the every day life of the business side of retail pharmacy.

Students desiring more extensive training in scientific pharmacy may complete the three-year course by including advanced work in prescriptions, manufacturing pharmacy, toxicology, physiological chemistry and bacteriology. Graduates of this course are trained for positions in strictly prescription stores and for work in clinical diagnosis.

Graduates of the four-year scientific course are trained for positions as expert laboratory workers in both State and Federal laboratories, bacteriologists for physicians, City Boards of Health, and for State and Federal laboratories, manufacturing pharmacists and chemists for large pharmaceutical houses, and as teachers in the colleges of pharmacy.

It should be noted therefore that the College sets a high standard for pharmaceutical training and that a number of opportunities are open to graduates who take the time to thoroughly prepare themselves for responsible positions.

Preparation for Medicine.—Students taking the four-year scientific course have the opportunity of electing studies that will give them clear entrance to the best medical colleges. Pharmaceutical training is an excellent preparation for medicine. It gives the student a knowledge of drugs and medicines that can be obtained in no other way. In addition the graduate in pharmacy who finally completes medicine has the benefit of the two professions.

The American Conference of Pharmaceutical Faculties.—The College of Pharmacy is a member of the American Conference of Pharmaceutical Faculties. The objects of the conference are: to promote closer relations be-

tween the several colleges of pharmacy of the United States, to standardize pharmaceutical education and to encourage a higher standard of proficiency for members of the profession.

GENERAL INFORMATION

Garden of Medicinal Plants.—The College of Pharmacy maintains on the campus a garden in which plants of pharmaceutical importance are cultivated. The area and scope of this garden have been gradually extended, until the college now has a complete collection of medicinal plants which furnishes valuable material for classes in botany, materia medica and drug assay.

A specialist in medicinal plant cultivation, formerly associated with the U. S. Bureau of Plant Industry, is a member of the staff of the College of Pharmacy and is in charge of the garden of medicinal plants. Persons interested in medicinal plant cultivation are urged to write Mr. James Thompson, College of Pharmacy, University of Washington, Seattle, for desired information.

Service to Pharmacists of the State.—It is the desire of the college to render every possible service to the pharmacists of the state. We therefore invite the pharmacists to write us in regard to their prescription difficulties. Many pharmacists are now availing themselves of this privilege, and it is our wish to extend this service to the entire profession. Send your prescriptions with a history of difficulties encountered to Professor Cornelius Osseward, who is in charge of prescription courses in the College of Pharmacy.

Food and Drug Analysis.—The enactment of the Food and Drug Act by Congress, and of similar legislation by most of the states (Washington included), has given great importance to pharmaceutical education. It is at once apparent that a knowledge of drugs is equally important with chemistry in the administration and enforcement of this legislation. ate in chemistry is not wholly qualified to act as a food and drug inspection chemist for the government, states, private individuals, and corporations, if he is not trained in those subjects included in the collective name of These allied subjects are: Theory and practice of pharmacy, pharmacy. manufacturing pharmacy, drug assaying, pharmaceutical botany, study of the United States Pharmacopoeia and National Formulary, pharmacognosy, materia medica and therapeutics, etc. A great many pharmaceutical chemists are needed to carry out the analytical processes involved in the enforcement of this legislation, but the number of men adequately trained is very Students with high school training are urged to consider these limited. opportunities and to prepare themselves for such positions. The Dean of the College of Pharmacy is chemist for the Washington State Department of Agriculture and is also in close touch with the government food and drug work. Courses are offered that will fit students for this line of work.

Women in Pharmacy.—The opportunities for women in pharmacy are just as great as for men. Women are finding a place in retail pharmacy and are becoming noted for the satisfaction they give in both the scientific and business side of the average drug store. Women graduates of the four year course are also giving excellent satisfaction as food and drug chemists, bacteriologists and as teachers in colleges of pharmacy.

Library Facilities.—A branch of the university library containing books and current publications on pharmacy and chemistry is maintained in the pharmacy building. Practically all the domestic and some foreign journals on pharmacy are received by the college. The student is expected to make use of the library and to report from time to time on current topics of interest.

The Arthur A. Denny Fellowship.—The College of Pharmacy is indebted to the Arthur A. Denny estate for a fellowship that pays \$500 per year to the student selected for this honor. The fellowship is granted each year to a graduate of the four-year course in pharmacy. The graduate is selected on the basis of excellence in scholarship and promise of ability to do research work in some subject of pharmaceutical importance.

Observation Trips.—The observation visits made each year by the classes in pharmacy to the various large manufacturing and wholesale establishments of Seattle and to the large retail stores are an important feature of the work of the college. Among the places visited during the year 1921-1922 were Stewart & Holmes Drug Company, branch houses of Parke, Davis & Co., H. K. Mulford Company and some of the leading prescription and commercial pharmacies of the city. Also to the hydrastis and ginseng farm of Mr. C. E. Thorpe, situated near the University campus.

1. ADMISSION TO THE THREE-YEAR COURSE LEADING TO THE DEGREE OF PHARMACEUTICAL CHEMIST.

For admission to the three-year course, no subjects are prescribed beyond the general requirements for freshman standing in the University. (See page 43).

2. ADMISSION TO THE FOUR-YEAR COURSE, LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN PHARMACY.

For admission to this course a candidate must present the following credits, in the fifteen units required for freshman standing in the University:

- 2 units in one foreign language. 1 unit in one of the following sciences: physics, chemistry, botany, zoology, physiology, general biology.
- 3. ADMISSION TO THE FIVE-YEAR COURSE LEADING TO THE DEGREE OF MASTER OF SCIENCE IN PHARMACY.

Candidates for the degree of master of science, must have received the bachelor's degree from this college or from some other college of equal rank maintaining a four-year course which is the equivalent of the course at this institution.

4. STUDENTS NOT CANDIDATES FOR DEGREES.

Persons over twenty-one years of age, who present evidence of adequate preparation, may be admitted as special students. In general a student from an accredited high school will not be admitted as a special if he has been in attendance at high school during the previous year.

Applicants for admission as specials should file their applications and credentials with the registrar at least four weeks before the beginning of the quarter in which they wish to attend. Blanks for this purpose may be obtained from the registrar at any time.

DEGREES

- 1. The degree of pharmaceutical chemist (Ph.C.) will be conferred upon any student who has complied with the entrance conditions and has completed the three-year course.
- The degree of bachelor of science (B.S.) will be conferred upon any student who has fulfilled the entrance requirements and has completed either the four-year scientific course or the combined scientific and business course. This degree with honors may be conferred upon a student of the College of Pharmacy if recommended for this distinction by the pharmacy faculty.

3. The degree of master of science in pharmacy (M.S.) will be conferred upon any graduate of the four-year course who has completed at least one year of graduate work and has presented a satisfactory thesis.

NOTE--Students who have entered as candidates for the two-year degree of Graduate in Pharmacy (Ph.G.) prior to September, 1921, have the right to complete the requirements for this degree.

CURRICULA REQUIRED FOR GRADUATION

- 1. A three-year course which prepares its graduates for responsible positions as practical pharmacists. Opportunity is given in this course for training in business law, advertising, accounting, advanced work in pharmacy, bacteriology and chemistry.
- 2. A four-year scientific course which offers a well-rounded scientific and liberal training. Graduates of this course are prepared for positions as, (a) practical and manufacturing pharmacists; (b) manufacturing and technical chemists; (c) bacteriologists; (d) teachers in colleges of pharmacy; (e) food and drug inspection chemists and bacteriologists in the United States Civil Service; (f) pharmaceutical journalism.

Graduates of the four-year course have clear entrance to the best medical colleges and are well equipped to carry on their medical studies.

- 3. A four-year combined scientific and business course which includes the regular pharmacy work of the three-year course together with advanced training in pharmacy, and courses in the College of Business Administration and Schools of Journalism and Law which insures the student a thorough businesss training. Special attention will be given to courses in business law, advertising, accounting, salesmanship, insurance, money and banking and business organization. This course is designed to produce well trained men for either retail or wholesale pharmacy.
- 4. A five-year course offers opportunity to the four-year graduate to do graduate and research work in some line of scientific pharmacy and graduate work in some branch of allied science. Graduates of this course are prepared for responsible positions in many different lines of work.
 - 1. WITH DEGREE OF PHARMACEUTICAL CHEMIST. (Three-Year Course).

FIRST YEAR

Autumn Quarter Oredits Pharmacy 1 5 Chemistry 8 5 Physiology 7 5 Mil. Sci. or Phys. Ed. 1%	Winter Quarter Oredits Pharmacy 2 5 Chemistry 9 5 Botany 13 5 Mil. Sci. or Phys. Ed. 1%	Spring Quarter Credit Pharmacy 3 5 Chemistry 10 5 Botany 14 4 Pharmacy 4 2 Mil. Sci. or Phys. Ed. 1%			
	SECOND YEAR				
Chemistry 37	Chemistry 38 5 Pharmacy 6 5 Pharmacy 10	Chemistry 39 5 Pharmacy 7 3 Pharmacy 11 3 Pharmacy 18			
THIRD YEAR					
Pharmacy 101 2 Pharmacy 102 2 Pharmacy 103 2 Pharmacy 118 2 Bacteriology 101 3 Pharmacy 118 .					

2. WITH DEGREE OF BACHFLOR OF SCIENCE. (Four-Year Scientific Course).

FIRST YEAR

	Pharmacy 1 5 Chemistry 8 5 Physiology 7 5	Winter Quarter Oredits, Pharmacy 2	Spring Quarter Oredits Pharmacy 3 5 Chemistry 10 5 Botany 14 4 Pharmacy 4 2 Mil. Sci. or Phys. Ed. 1%
		SECOND YEAR	
	Chemistry 37 5 Pharmacy 5 5 Pharmacy 9 2 Pharmacy 9 3 Mil. Sci. or Phys. Ed. 1%	Pharmacy 6 5 Pharmacy 10 2 Pharmacy 12 3	Chemistry 89 5 Pharmacy 7 4 Pharmacy 11 2 Pharmacy 18 3 Pharmacy 15 1 Mil. Sci. or Phys. Ed. 1%
	,	THIRD YEAR	
In .	Pharmacy 101 2 Pharmacy 117 2 Pharmacy 100 2	Pharmacy 102 2 Pharmacy 118 2 Pharmacy 128	Pharmacy 108 25
year of	Language (Mod. Foreign) 5 Laboratory Science 4-5	Language (Mod. Foreign) 5 Laboratory Science 4-5	Language (Mod. Foreign) 5 Laboratory Science 4-5
		FOURTH YEAR	
	Language (Mod. Foreign) 5 Physics	Physics 5	Approved Elective 5 Approved Elective 5 Approved Elective 5
	The student is required to (15 each) if two languages are	take 25 hours of one modern taken.	foreign language or 80 hours
		ce may be varied so as to preparamanufacturing pharmacists and	

to colleges of medicine; (b) manufacturing pharmacists and chemists; (c) food and drug chemists; (d) bacteriologists; or (e) physiological chemists.

Total scholastic hours for graduation—180 plus 10 hours in military or physical education.

\sum_{t}

Autumn Quarter

3. WITH DEGREE OF BACHELOR OF SCIENCE. (Four-Year Combined Scientific and Business Course.)

Oredits Spring Quarter

Credits

FIRST YEAR

	Transmissi direction Cityania	11 419101 GMG1101 C100440	Spring Caured Crouss
	Pharmacy 1 5 Chemistry 8 5 Physiology 7 5 Mil. Sci. or Phys. Ed 1%	Pharmacy 2	Pharmacy 3 5 Chemistry 10 5 Botany 14 4 Pharmacy 4 2 Mil. Sci. or Phys. Ed 1%
		SECOND YEAR	
	Chemistry 37	Chemistry 38	Chemistry 39
	•	THIED YEAR	
of grand.	Pharmacy 101 2 Pharmacy 117 2 Pharmacy 180 3 Paychology 1 5 Bus. Admin. 54 (Law) 3 Pharmacy 125 1	Pharmacy 102 2 Pharmacy 118 2 Pharmacy 220 2 Approved Elective 5 Bus. Admin. 55 (Law) 3 Pharmacy 126 1	Pharmacy 103 2 Bacteriology 101 5 Economics 2 3 Approved Ellective 2 Bus. Admin. 56 (Law) 3 Pharmacy 127 1
for	Bus. Admin. 54 (Law)3	Bus. Admin. 55 (Law) 3	Approved Elective 2 Bus. Admin. 56 (Law) 3

Oredits Winter Quarter

Sol College of Pharmacy Grow 163

Autumn Quarter Oredits Winter Quarter Oredits Spring Quarter Gredits

Bus. Admin. 11 (Acc'tg) 5 Bus. Admin. 12 (Acc'tg) 5 Approved Electives ... 5

Approved Electives ... 5 Approved Electives ... 5

Total scholastic hours for graduation—180 plus 10 hours of military or physical education.

Attention of the student is called to business administration courses number 6, Business Correspondence; 57, Money and Banking; 106, Economics of Markets; 126, Commercial Credits; 141, Fire Insurance; 157, Income Tax as desirable electives.

4. WITH DEGREE OF MASTER OF SCIENCE IN PHARMACY. (Five-Year Course).

Graduates of the four-year course may continue work for the master's degree as follows:

Not more than 22 credits allowed outside of the department of pharmacy. Election may be made in one or more of the following studies: Bacteriology, 8 to 22 credits; botany, 4 to 22 credits; physics, 10 to 22 credits; chemistry, 5 to 22 credits; zoology, 4 to 12 credits.

Not less than 23 credits shall be elected in the department of pharmacy. At least 12 credits of the major work must be a research problem and the preparation of a thesis. Examination and thesis must conform to the regulations of the Graduate School.

5. WITH DEGREE OF DOCTOR OF PHILOSOPHY.

Students wishing to take the degree of doctor of philosophy with the thesis in the pharmaceutical field, shall take it under the same regulations as in the department of chemistry, writing the thesis under one of the pharmaceutical members of the department of chemistry. Prospective candidates for this degree should write for Graduate School Bulletin.

Courses

For description of courses, see Departments of Instruction, printed elsewhere in this catalogue. (See Index).

GRADUATE SCHOOL

THE FACULTY

Description of the second seco
HENRY SUZZALLO, Ph.D. (Columbia), LL.D. (California)
JOHN THOMAS CONDON, LL.M. (Northwestern)
FREDERICK MORGAN PADELFORD, Ph.D. (Yale)
HENRY LANDES, A.M. (Harvard, Professor of Geology and Mineralogy; Dean of the College of Science.
EDMOND STEPHEN MEANY, M.L. (Wisconsin)
J. ALLEN SMITH, Ph.D. (Michigan)
CAROLINE HAVEN OBERProfessor of Spanish
TREVOR KINCAID, A.M. (Washington)
MILNOR ROBERTS, A.B. (Stanford), Professor of MiningEngineering and Metallurgy; Dean of the College of Mines.
FREDDRICK ARTHUR OSBORN, Ph.D. (Michigan), Professor of physics; Director of Physics Laboratories.
WILLIAM SAVERY, Ph.D. (Harvard)
DAVID THOMSON, B.A. (Toronto) Professor of Latin; Dean of the College of Liberal Arts
CHARLES WILLIS JOHNSON, Ph.D. (Michigan), Professor of Pharmaceutical Chemistry; Dean of the College of Pharmacy.
PHERE JOSEPH FREIN, Ph.D. (Johns Hopkins)
THEODORE CHRISTIAN FREE, Ph.D. (Chicago)
ROBERT EDOUARD MORITZ, Ph.D. (Nebraska), Ph.N.D. (Strassburg), Professor of Mathematics.
CARL EDWARD MAGNUSSON, Ph.D. (Wisconsin), E.E. (Minnesota), Professor of Electrical Engineering; Dean of the College of Engineering.
EVERETT OWEN EASTWOOD, C.E., M.A. (Virginia), S.B. (Massachusetts Institute of Technology), Professor of Mechanical Engineering.
WILLIAM ELMER HENRY, A.M. (Indiana)Librarian and Director of the Library School
HERBERT HENRY GOWEN, D.D. (Whitman), F.R.G.S., F.R.S.A., Professor of Oriental History, Literature and Institutions.
OLIVER HUNTINGTON RICHARDSON, Ph.D. (Heldelburg)Professor of European History
CHARLES CHURCH MORE, M.S., C.E. (Lafayette), M.C.E. (Cornell), Professor of Civil Engineering.
HENRY KREITZER BENSON, Ph.D. (Columbia)Professor of Chemical Engineering
JOHN WEINZIRL, Ph.D. (Wisconsin)
HUGO WINKENWERDER, M.F. (Yale) Professor of Forestry; Dean of the College of Forestry
VERNON LOUIS PARRINGTON, A.B. (Harvard), A.M. (Emporia) Professor of English
FREDERICK ELMER BOLTON, Ph.D. (Clark), Professor of Education; Dean of the School of Education.
EDWIN JOHN VICKNER, Ph.D. (Minnesota)Professor of Scandinavian Languages
EFFIE ISABEL RAITT, M.A. (Columbia)
WILLIAM FRANKLIN ALLISON, B.S., C.E. (Cornell), Professor of Municipal and Highway Engineering.
STEVENSON SMITH, Ph.D. (Pennsylvania)
ALLEN ROGERS BENHAM, Ph.D. (Yale)
STEPHEN IVAN MILLER, JR., A.B. (Stanford), LL.B. (Michigan), Professor of Economics; Dean of the College of Business Administration.
FRED CARLETON AVER, Ph.D. (Chicage)
WILLIAM MAURICE DEHN, Ph.D. (Illinois)
HOWARD WOOLSTON, Ph.D. (Columbia)

```
MATTHEW LYLE SPENCER, Ph.D. (Chicago), Professor of Journalism; Director of the School
   of Journalism.
GEORGE MCPHAIL SMITH, Ph.D. (Freiburg) ............Professor of Inorganic Chemistry
THOMAS LATIMER KIBLER, Ph.D. (George Washington University), Professor of Transportation
HOWARD THOMPSON LEWIS, A.M. (Wisconsin) .......Professor of Business Administration
JOHN LOCKE WORCESTER, M.D. (Birmingham School of Medicine) .... Professor of Anatomy
THOMAS KAY SIDEY, Ph.D. (Chicago) ...........Associate Professor of Latin and Greek
EDWARD McMahon, A.M. (Wisconsin) .......Associate Professor of American History
GEORGE SAMUEL WILSON, B.S. (Nebraska) .... Associate Professor of Mechanical Engineering
CHARLES WILLIAM HARRIS, C.E. (Cornell) ......Associate Professor of Civil Engineering
VANDERVEER CUSTIS, Ph.D. (Harvard) .......Associate Professor of Economics
EDGAR ALLEN LOEW, B.S. (E.E.) (Wisconsin).. Associate Professor of Electrical Engineering
JOSEPH DANIELS, M.S. (Lehigh) . Associate Professor of Mining Engineering and Metallurgy
HENRY LOUIS BRAKEL, Ph.D. (Cornell) ......Associate Professor of Engineering Physics
GEORGE BURTON RIGG, Ph.D. (Chicago) ......Associate Professor of Botany
ABTHUE MELVIN WINSLOW, Ph.B. (Brown), B.S. (Massachusetts Institute of Technology),
   Associate Professor of Mechanical Engineering.
RODERICK DUNCAN MCKENZIE, Ph.D. (Chicago) ........Associate Professor of Sociology
ROBERT MAX GARRETT, Ph.D. (Munich) ......Associate Professor of English
FRIEDRICH KURT KIRSTEN, B.S., E.E. (Washington), Associate Professor of Electrical En-
   gineering.
ROY MARTIN WINGER, Ph.D. (Johns Hopkins) ...........Associate Professor of Mathematics
HENRY A. LANGENHAM, Ph.D. (Wisconsin) ............Associate Professor of Pharmacy
EDWIN JAMES SAUNDERS, A.M. (Harvard) ......Assistant Professor of Geology
CLARENCE RAYMOND COREY, E.M. (Montana State School of Mines), A.M. (Columbia), As-
   sistant Professor of Mining Engineering and Metallurgy.
ERNEST OTTO ECKELMAN, Ph.D. (Heldelberg) ..........Assistant Professor of German
JOHN WILLIAM HOTSON, Ph.D. (Harvard) .......Assistant Professor of Botany
LEWIS IRVING NEIKIRK, Ph.D. (Pennsylvania) ...........Assistant Professor of Mathematics
SAMUEL HERBERT ANDERSON, Ph.D. (Illinois) ................. Assistant Professor of Physics
BROR LEONARD GRONDAL, M.S.F. (Washington) ...........Assistant Professor of Forestry
*LESLIE FOREST CURTIS, B.E. (Tufts) .......Assistant Professor of Electrical Engineering
EDWIN RAY GUTHRIB, Ph.D. (Pennsylvania) ...........Assistant Professor of Psychology
HEWITT WILSON, Cert. Eng'r. (Ohio State University) ..... Assistant Professor of Ceramics
CURTIS TALMAGE WILLIAMS, Ph.D. (Clark) ..........Assistant Professor of Education
MARTHA KORHNE, A.M. (Ohio) .......Assistant Professor of Home Economics
J. PRINGLE JAMESON, D.Sc. (University of Aberdeen, Scotland), Assistant Professor of
   Zoology.
RALPH MASON BLAKE, Ph.D. (Harvard) .......Instructor in Philosophy
GRADUATE COUNCIL: DEAN PADELFORD, Chairman; DEANS CONDON, THOMSON, ROBERTS, and
MAGNUSSON; PROFESSORS MEANT, OSBORN, FRYE, MORITZ, DEHN, WOOLSTON, CUSTIS,
   WILLIAMS and GUTHRIE.
```

GENERAL STATEMENT

SPECIAL NOTE.—For detailed information concerning special facilities for graduate work in the various departments, consult the bulletin issued by the Graduate 'School.

The Aims of Graduate Study.—The principal aims of graduate study are the development of intellectual independence through the cultivation of the scientific attitude of mind, and the promotion of the spirit of research. The graduate student is therefore thrown more largely upon his own resources than the undergraduate, and must measure up to a more severe standard. The University is consistently increasing the emphasis upon graduate work in order that it may be a strong center for advanced study

Organization.—The Graduate School was formally organized in May, 1911. The graduate faculty includes:

- 1. All heads of departments which offer graduate work to major students and all full professors in such departments.
- 2. All associate professors, assistant professors and instructors offering graduate work for major students; provided no department shall have more than four representatives. If more than that number are eligible, the departmental representatives below the rank of full professor shall be elected by the members of the department.

Fees.—Graduate students pay a tuition fee of \$15 a quarter for the autumn, winter and spring quarters, if residents of the State of Washington or of Alaska, or \$50 a quarter for each of these quarters if non-residents. The regular fee for the summer quarter is \$20 for students working at the University; \$15, including a \$3 laboratory fee, for students working at the Biological Station.

Members of the staff on a full-time teaching schedule are relieved of all tuition. Teaching fellows, graduate scholars—formerly known as graduate assistants and graduate readers,—and non-instructional employees of the University pay a tuition fee of one dollar per quarter for each credit hour on the election blank.

The incidental fees, such as library and laboratory fees, are required from all who receive graduate instruction.

GRADUATE FELLOWSHIPS AND SCHOLARSHIPS

Loretta Denny Fellowships.—Three fellowships, of \$500 each, open to graduate students in any department of the University. Awarded by the faculty on the basis of scholastic excellence and general merit, but only to those who need financial assistance. Applications for these fellowships should be made on blanks supplied by the dean of the Graduate School and must be in his hands on or before March 15 preceding the academic year for which the fellowships are to be granted.

Arthur A. Denny Fellowships.—Six fellowships of \$500 each, open to graduate students in the departments of civil engineering, education, English, history, mining engineering, and pharmacy respectively. Awarded by the departments concerned on the basis of scholastic excellence and general merit, but only to those who need financial assistance. Applicants must be residents of the state of Washington. Applications for these fellowships should be made to the heads of the departments concerned on blanks supplied by them, and must be in their hands on or before March 15 preceding the academic year for which the fellowships are to be granted.

National Research Fellowships.—Fellowships in physics and chemistry, offered by the National Research Council, are open to promising research students, who have already taken the doctor's degree or have equivalent qualifications. A successful candidate can pursue his research at any university or research institute chosen by him and which is acceptable to the appointing board. The salary will ordinarily be \$1800 for the first year. Fellows are eligible for successive reappointments ordinarily with increase in salary. For details address the dean of the Graduate School or the heads of the departments.

University Honorary Fellowships.—Three honorary fellowships have been established by the University. These, like the Loretta Denny fellowships, are open to students in any department of the University. They carry no stipend, and are designed to furnish recognition of exceptional scholastic excellence in the case of graduate students who are not eligible for the Loretta Denny or the Arthur A. Denny fellowships, either because they do not need financial assistance or because they are not giving their entire time to their work in the University.

Research Fellowships in Mining and Metallurgy.—The College of Mines of the University in cooperation with the United States Bureau of Mines offers five fellowships in mining and metallurgical research. The fellowships are open to graduates of universities and technical schools who are properly qualified to undertake research work. The value of each fellowship is \$780 per year of twelve months. Fellowship holders are required to register as graduate students and to become candidates for the degree of master of science in mining engineering or metallurgy, unless an equivalent degree has previously been earned. Applications are due not later than May 15, and should be addressed to the Dean, College of Mines, University of Washington, Seattle, Washington.

Du Pont Fellowship.—Through its chemical department, Du Pont de Nemours & Co. offer a scholarship of \$700 in chemistry, known as the "Du Pont Scholarship," open to a senior student or graduate student in chemistry or chemical engineering.

The Bon Marche Industrial Fellowship.—The Bon Marche of Seattle offers an annual fellowship of \$600 to a graduate student in Home Economics for research work in textiles. The recipient of this fellowship is required to give one fourth of her time for eleven months to the testing of textiles for the Bon Marche.

Research Fellowship in Geology.—A research fellowship, given anonymously and carrying a stipend of \$500, is offered to a graduate student making a major in geology.

University Teaching Fellowships.—The University each year provides a number of teaching fellowships in various departments. The graduate student receiving such a fellowship divides his time equally between his studies and assistance in the teaching work of the department in which he is enrolled. These fellowships range from \$540 to \$720.

Graduate Scholarships.—A number of graduate scholarships are open to students who perform service as laboratory assistants, assistants in charge of quiz sections, or readers. The remuneration is proportioned to the service, and ranges from \$180 to \$360.

Rosenberg Scholarship.—A scholarship of \$200, known as the "Samuel Rosenberg Scholarship, endowed in loving memory by Ella S. Rosenberg, his wife," is open to graduate students in French.

Admission

Three classes of students are recognized in the Graduate School:

- 1. Candidates for the master's degree.
- 2. Candidates for the doctor's degree.
- 3. Students not candidates for a degree.

Admission.—A graduate of the University or of any other institution of equal rank, will be given full graduate standing. Before being recognized as a candidate for a degree, however, a student must be approved by a committee appointed by the dean of the Graduate School, which shall also constitute the advisory committee to oversee the student's subsequent work. Unless the committee are already sufficiently acquainted with the candidate's capacity and attainments, there shall be a conference of the committee and the candidate, the purpose of which is twofold:

- (a) To determine whether the student has the quality of mind and the attitude toward advanced work which would justify his going on for an advanced degree.
- (b) To satisfy the major and minor departments and the graduate council that the student has the necessary foundation in his proposed major and minor subjects. If he lacks this foundation, he will be required to establish it through undergraduate courses or supervised reading.

If the student is from a college or university which falls below a satisfactory standard in curriculum, efficiency of instruction, equipment, or requirements for graduation, he may be required to take other undergraduate courses in addition to those required as a foundation in the major and minor subjects.

After having been approved by his advisory committee, a candidate for a degree must file with the dean of the Graduate School an outline of his proposed work, on a blank provided for that purpose. When it has received approval of the graduate council and the student has been notified, he will be regarded as a candidate for a degree.

Students on the Staff.—Assistants, associates, or others in the employ of the University are normally permitted to carry three hours of graduate work if full-time employees, and ten to eleven hours if half-time employees. Permission to exceed these hours must be secured from the dean of the Graduate School and the president.

Graduate Study in the Summer.—As the summer offers leisure for advanced study to a large number of teachers, the University lays special emphasis on graduate work during the summer quarter. Graduates of colleges or universities in attendance then are urged to enroll for the strictly graduate courses, as these courses give an opportunity to work with a select group of mature students toward the acquisition of an advanced degree.

Graduate students will enroll with the dean of the Graduate School.

Attendance during three summer quarters will satisfy the residence requirement for the master's degree. A fair amount of credit toward the doctor's degree may also be earned in the summer quarter.

DEGREES

THE DOCTOR'S DEGREE

Doctor of Philosophy.—Graduate students will be received as candidates for the degree of doctor of philosophy in such departments as are adequately equipped to furnish requisite training. Each department introduces its pro-

gram of courses with a specific statement of the graduate training that it is prepared to direct, and of the distinctive opportunities that it offers for graduate work. This degree is conferred only on those who have attained proficiency in a chosen field and who have demonstrated their mastery by preparing a thesis which is a positive contribution to knowledge.

The requirements for the degree of doctor of philosophy are as follows:

- 1. At least three years of graduate work, of which not less than one year must be spent in residence at the University of Washington. If a candidate is otherwise engaged in any regular employment, a correspondingly longer period of study will be required.
- 2. Completion of courses of study in a major and two minor subjects, the work in the minors to constitute approximately one-third of this work. The marks for graduate students shall be "passed" or "failed". In courses open to undergraduates and graduates, the passing grade for a graduate student shall be "B" or above if the course is in his major subject, "C" or above, if the course is in his minor subject. Before being recognized as a candidate for the degree, a student must be approved by a committee as provided above.

These courses of study cover at least two years of work. The work of the first year is virtually identical with that for the master's degree, and normally the candidate will wish to take this degree incidentally; the work of the second year is of still more advanced character. Not earlier than the end of the second year and at least a year before the time when the candidate expects to take the degree, the major and minor departments, supplemented by a representative from the graduate council, shall submit the candidate to a careful oral and written examination, to determine whether he has the native equipment and the scholarship to warrant him in continuing.

3. The preparation of a thesis, as stated above, embodying the results of independent research. This thesis may properly be initiated in the second year, and should occupy the greater part of the third year. If the thesis is of such a character, or falls in such a department, that it requires library or laboratory facilities beyond the resources of the University, the student will be required to carry on his investigation at some other university, at some large library, or in some special laboratory. This thesis must be approved by a committee appointed by the major department, of which the instructor in charge of the thesis shall be a member, and also by a special committee from the graduate council.

4. Examinations as follows:

The Preliminary Examination.—An oral and written examination, covering the major and minor subjects. In so far as the examination is oral, it shall be before a committee appointed by the dean of not less than three representatives of the major department, not less than one representative of each of the minor departments, and a representative of the graduate council. The preliminary examination will normally be taken not less than two quarters before the final examination.

The Final Examination.—An oral, or oral and written examination, covering the work of the candidate, especially that part of it in which the thesis falls. The examination shall be given by a committee appointed by the dean including, so far as feasible, all of the instructors with whom the student has worked and a representative of the graduate council. If there is division of opinion in the committee in charge of either examination, the case shall be decided by the graduate council, with right of appeal to the graduate faculty.

- 5. Evidence of a reading knowledge of scientific French and German and of such other languages as individual departments may require. Such evidence must be filed with the dean and approved by him at least one academic year before the degree is granted. Only in rare cases shall the requirement of a reading knowledge of scientific French and German be waived and then only when, in the judgment of the council, substitutions for either or both of these languages will be to the advantage of the student's training.
- 6. One copy of the thesis in typewritten form (or library hand) shall be bound at the expense of the candidate and deposited with the librarian for permanent preservation in the University archives, at least four weeks before the date on which the candidate expects to take the degree.

The thesis, or such parts thereof, or such a digest as may be designated by the council, shall be printed. The candidate shall contribute \$100 to a fund for printing of theses, whether his thesis appears in the University series or elsewhere. From this fund the library is provided with 150 copies and the candidate with 50 copies.

7. A card certifying that all courses and examinations have been passed and that the thesis has been accepted and properly filed in the library, shall be presented to the dean at least one week before graduation. This card must bear the signatures of all major and minor instructors in charge of the student's work, of the committee appointed by the major department to pass on the thesis, and of the librarian or his appointed representative.

THE MASTER'S DEGREE

Master of Arts.—The degree of master of arts implies advanced liberal training in some humanistic field, gained through intensive study of one of the liberal arts supplemented by study in one or two supporting subjects. This detailed study culminates in a thesis which, if not an actual contribution to knowledge, is concerned with the organization and interpretation of the materials of learning. Creative work of a high quality may be offered in lieu of a thesis.

Master of Science.—The degree of master of science implies training similar to the above in some province of the physical or biological sciences. The thesis for this degree, however, must be an actual contribution to knowledge.

The requirements for the degrees of master of arts and master of science are as follows:

- 1. At least three full quarters or their equivalent spent in undivided pursuit of advanced study. If a candidate has done graduate work elsewhere, his program may be slightly less exacting, but this work must pass review in the examination, and shall not reduce the residence requirement at this University.
- 2. Completion of courses of study in a major and one or two minor subjects, the whole to total not less than 36 hours, of which 24 are normally in the major. The marks for graduate students shall be "passed" or "failed". In courses open to undergraduates and graduates, the passing grade for a graduate student shall be "B" or above if the course is his major subject, "C" or above, if the course is in his minor subject.

The requirements of a minor or minors may be waived, but only on recommendation of the head of the major department and with the consent of the graduate council.

No work in the major subject may be counted toward the master's degree until the candidate has complied with the departmental requirements as to previous work in that subject, which in no case shall be less than eighteen hours.

Elementary or lower division courses may not count toward the minor requirement, and teachers' courses may not count toward either the major or minor requirements.

- 3. The preparation of a thesis, as defined above.
- 4. An oral, or written, or an oral and written examination, given by a committee appointed by the head of the major department, including so far as feasible, all the instructors with whom the student has worked. If division of opinion exists among the examiners, the case shall be decided by the graduate council, with right of appeal to the graduate faculty.
- The candidate's thesis shall be in charge of the instructor in whose field the subject falls, and it must be approved by a committee of the major department, of which the instructor in charge shall be a member. If the committee is divided in opinion, the case shall be decided by the graduate council, with right of appeal to the graduate faculty. At least two weeks before the date on which the candidate expects to take the degree, one copy of the thesis in typewritten form or printed form (or library hand, in case the thesis is of such character that it cannot be typewritten) shall be deposited with the librarian for permanent preservation in the University archives. The thesis must meet the approval of the librarian as to form, and the cost of binding must be deposited with the thesis.
- 6. A card certifying that all courses and examinations have been passed, and that the thesis has been accepted and properly filed in the library, shall be presented to the dean at least one week before graduation. This card must bear the signatures of all instructors in charge of the student's work, of the instructors in charge of the thesis, and of the librarian or his appointed representative.

Master of Science in Technical Subjects.-The degree of master of science is given in technical subjects as follows:

Master of Science in Chemical Engineering

Master of Science in Civil Engineering

Master of Science in Electrical Engineering

Master of Science in Mechanical Engineering

Master of Science in Ceramic Engineering

Master of Science in Coal Mining Engineering

Master of Science in Geology and Mining

Master of Science in Metallurgy

Master of Science in Mining Engineering

Master of Science in Forestry Master of Science in Fisheries

Master of Science in Pharmacy

The requirements for these degrees are essentially the same as those for the degrees of master of arts and master of science.

Master's Degree in Technical Subjects.—The master's degree is given in technical subjects as follows:

Master of Forestry

Master of Business Administration

Master of Laws

The requirements for these degrees are essentially the same as those for the degrees of master of arts and master of science, with the exception that all the work may be in the major.

PROFESSIONAL DEGREES

Professional Degrees.—The professional degrees of chemical engineer, civil engineer, electrical engineer, mechanical engineer, metallurgical engineer and engineer of mines may be conferred in three years on those who hold the bachelor of science degree in their respective lines from the University of Washington, who give evidence of having engaged continuously in acceptable engineering work and who present satisfactory theses.

Courses

For description of courses, see Departments of Instruction, printed elsewhere in this catalogue. (See Index).

٠,

DEPARTMENTS OF INSTRUCTION

EXPLANATIONS

The University reserves the right to withdraw temporarily any course which has not an adequate enrollment at the end of the sixth day of any quarter. For changes in registration, due to the withdrawal of a course, no fee will be charged.

Courses bearing numbers 1 to 99 inclusive are normally offered to freshmen and sophomores; those from 100 to 199, to juniors and seniors, and those from 200 upward to graduate students.

Two or three numbers connected by hyphens indicate a course which ordinarily carries credit only when pursued for the full time; the instructor's permission must be obtained for credit for only a single quarter of such a course. No credit in a beginning foreign language is given for less than two quarters' work.

The credit indicated in connection with each course is the "quarter credit," being based on the class periods per week.

The descriptions of courses in each department include: (1) the number of the course as used in university records; (2) the title of the course; (3) a brief statement of its subject matter and method; (4) number of quarter credits given; (5) quarter in which it is given (autumn, winter, spring, summer); (6) name of instructor.

Courses preceded by a * are not given in 1922-1923.

AERONAUTICAL ENGINEERING

Engineering Hall

- 101. Aerodynamics.—Use of the wind tunnel in the determination of the characteristics of aerofoils, selection of areofoils for a given purpose. Prerequisite, junior standing. Three credits. 7, W, S, Kirsten
- 111. Aerial Propellers.—Study of the theory and design of airscrews including a review of the methods of calculating thrust and efficiency. Prerequisite, junior standing. Three credits.
- 121. Airplane Design.—Selection of the type and construction of an airplane for a given purpose; computation of and performance from aerodynamic data; design of flying boats and seaplanes; the distribution of weights and the proportioning of parts. Prerequisite, A.E. 101. Three credits.
- **141. Airships.—Aerostatics, including a study of lighter-than-air machines. Prerequisite, A.E. 101, 121. Three credits. Kirsten
- **161. Aerial Transportation.—Design and layout of landing fields and aircraft terminals. Aerial transportation as an industrial factor and as an instrument of warfare. Prerequisite, A.E. 111, 121, 141. Three credits.

 Kirsten

ANATOMY

Science Hall and Anatomy Laboratory

PROFESSOR WORCESTER

GROSS ANATOMY

- 101, 102, 103. General Human Anatomy.—Thorough study of the human body. Osteological collections loaned to the students. Especially intended for students taking the pre-medical, nurses' or physical education courses; open to others. Prerequisite, Zool. 3 and 4 or their equivalent. Six credits a quarter; autumn, winter, and spring. Worcester.
- 104. Topographic Anatomy.—Cross and saggital sections for correlation. Prerequisites, Anat. 101, 102, and 103. Four credits; autumn, winter, spring.

 Worcester.
- 108. Special Dissections.—For physicians or students who have completed the above courses in gross anatomy. Hours and credits to be arranged; autumn, winter, spring.

 Worcester.

MICROSCOPIC ANATOMY

- 105, 106. Histology and Embryology.—Microscopic anatomy of developing and adult mammals studied both in their fresh and fixed conditions. Especially for students in pre-medical and nurses' courses; open to others. Prerequisite, Zool. 3 and 4 or their equivalent. Six credits a quarter; autumn and winter.

 Worcester.
- 107. Neurology.—Dissection of the human brain and cord and special organs of sense; comparative developmental history of the central nervous system; a microscopic study of the nuceli and fiber tracts. Prerequisites, Anat. 105 and 106 or their equivalents. Especially for pre-medical students; open to others. Six credits a quarter; spring.

 Worcester.

200.—Graduate and research work in anatomy for those qualified. Credits and time arranged. Autumn, winter, spring.

Worcester.

ARCHITECTURE

Education Hall

Associate Professor Gould; Instructors, McClelland, Sexsmith

- A student should have some previous training in free-hand drawing and he will be required to confer with the head of the department as to his special qualifications for taking the subject. It is desirable that a student have credits in plane geometry, algebra through quadratics, trigonometry, physics, and at least two years of modern language. Forty hours of foreign language will be required before graduation. Twenty hours are provided for in the curriculum.
- 1-2. History and Elements of Architecture.—Illustrated lectures giving an historic survey of domestic architecture. Exercises given in drawing and simpler elements of buildings. Excursions to buildings and building supply companies. Two credits a quarter; autumn, winter.

 Gould.
- 3. History and Elements of Architecture.—General survey of the important periods of architectural history studied, wherever possible, in terms of present-day conditions. Two credits; spring.
- 4-5-6. Architectural Drawing.—Presentation of problems in architectural drawing based on the Greek and Roman Orders. Studies in plan, elevation, and section. Three credits a quarter; autumn, winter, spring. Sexsmith.

- 7. Descriptive Geometry.—Theoretical and practical problems. Orthographic projection. Emphasis on draftsmanship. Two credits a quarter;
- 8. Shades and Shadows.—Construction by descriptive geometry of shades and shadows found in architectural renderings. Prerequisite, Arch. 7. Two three-hour laboratory periods a week. Two credits; winter.
- 9. Perspective Drawing.-Theory of architectural perspective from simple problems in single point perspective up to and including the more complicated problems. Office methods and short-cut methods will be studied and compared with the theory. Two 3-hour laboratory periods. Prerequisite, Arch. 7. Two credits: spring.
- 10-11-12. Free-hand Drawing.—Fundamentals of free-hand drawing and free-hand perspective. Drawing in charcoal or crayon from cast or architectural ornament and from still life. One credit a quarter; autumn, winter, McClelland. spring.
- 13-14-15. Dimension Drawing.—Fundamentals of draftsmanship; orthographic projection, shades and shadows, perspective, brief study of the classic orders and mouldings. Majors in Painting, Sculpture and Design. Two credits a quarter; autumn, winter, spring.
- 47-48. Statics.—Analysis of fundamental structural problems by application of the laws of equilibrium. Five credits a quarter; autumn and winter.
- 51. History and Elements of Architecture.—Egyptian—Greek—Roman. Two credits a quarter; autumn. Gould.
- 52. History and Elements of Architecture.—Byzantine-Romanesque-Gothic. Two credits a quarter: winter.
- 53. History and Elements of Architecture.—Principals of design in terms of structural elements. Study and theory of planning. Two credits: spring. Gould and staff.
- 54-55-56. Architectural Design.—Problems in design and planning. Society of Beaux Arts Architects program will be used and work sent to New York City for judgment in competition with the work from leading architectural schools. Lab. deposit, \$2. Five credits a quarter; autumn, winter, spring. Gould.
- 60-61-62. Building Construction and Inspection.—Lectures on building construction methods. Full size and large scale studies of detail. Inspection trips. Two credits a quarter; autumn, winter, spring. McClelland.
- 73-74. Free-hand Drawing.—Studies of architectural ornament and cast of the human figure. One credit a quarter; winter, spring. McClelland.
- 101-102-103. History of Architecture.—The Renaissance. A comparative study of the period in Italy, France and England. Two credits a quarter; autumn, winter, spring. McClelland.
- 104-105-106. Architectural Design.—Advanced problems in ornamental design and planning as applied to different materials. Laboratory deposit, \$2. Five credits a quarter; autumn, winter, spring. McClelland.

 106 - 918 21 fer #. Shipman

 113-114. Water Color.—Still life studies, out-door subjects and archi-
- tectural rendering. One credit a quarter; autumn, spring. McClelland

115. Sanitation and Plumbing.—Methods of sewage disposal and water supply in modern buildings; modern appliances and office practice; specifications. Two credits; autumn. Sexsmith.

116. Specifications and Office Practice.-Two credits a quarter; win-Sexsmith.

151-152-153. History of Architecture.--Modern architecture; city and industrial planning. Prerequisite, Arch. 103. Two credits a quarter; autumn, winter, spring. Gould.

154-155-156. Architectural Design.—Beaux Arts Class A projects first two quarters; third quarter, thesis. Lab. deposit, \$2. Five credits a quarter; autumn, winter, spring. 187-158-159- Treehand Wrawing. McClelland.

ASTRONOMY

The Observatory

Owing to Professor Boothroyd's resignation and the necessity on the part of the University to curtail expenses wherever possible, only courses I and 2 will be offered for the year, all other courses being temporarily suspended.

The work in astronomy is planned for two classes of students: (a) Those who desire some knowledge of astronomy as a part of a liberal education; (b) engineers and navigators who need some knowledge of the science as a part of their technical training.

In the College of Science, courses 11 and 12 satisfy the science requirements.

In the College of Liberal Arts, courses 11 and 131 are recommended for those electing astronomy for the science requirement. Those who want only five hours may take Ast. 11 or 1, 2 and 31.

- 1. Introduction to Astronomy.—Lectures illustrated by planetarium lantern slides and by views of the more interesting of the heavenly bodies with the equatorial telescope. Use of charts in the study of the sky with the unaided eye. Open to all students of the University. Lab. fee, \$1. One credit; autumn, winter, spring.
- 2. Elements of Astronomy.—A descriptive course designed to give clear ideas regarding our place in the universe, the succession of the seasons, tidal phenomena, phases of the moon, etc., as well as some conception of the scope of astronomy and a clear idea of the scientific method. Five credits; autumn, winter, spring.
- *11. The Solar System.—Observation and study of the real and apparent motions of the various bodies which make up the Solar System. Study of the fundamental principles of mechanics which are revealed through the science of astronomy. Five recitations and laboratory periods per week and three laboratory periods to be arranged. Lab. fee, \$1. Five credits; autumn, winter.
- *112. The Sun and Stars.—Prerequisite, course 11 and at least high school physics. Five recitation periods a week. Five credits; spring.
- *123. Nautical Astronomy.—Actual determination of time, latitude and azimuth from observations made by the student with the sextant. Prerequisites, Math 52 and course 1 or the equivalents. Lab. fee, \$2. Two lab. periods a week. Two credits; autumn.
- *131. History of Astronomy.—An exposition of the scientific method as illustrated by the progress of astronomy. Prerequisites, course 11 or 2,

^{*}Not offered in 1922-1923.

Physics 47, 48, 49 or equivalent. Two lecture and recitation periods a week. Two credits; spring.

- *171. Engineering Astronomy.—Actual determination of time, latitude and azimuth from observations made on the sun and stars by the student with the surveyor's transit. Prerequisite, Math. 52, C.E. 21, and must be preceded or accompanied by course 1 or its equivalent. Two laboratory hours a week. Two credits; autumn. Lab. fee, \$2.
- *172. Geodetic Astronomy.—The precise determination of time, latitude and azimuth. Prerequisites, Ast. 171, Math. 62. Ten hours laboratory work a week. Five credits; winter. Lab. fee, \$5.

BACTERIOLOGY AND PATHOLOGY

Science Hall

PROFESSOR WEINZIEL; ASSISTANT PROFESSOR NICKSON

With the exception of general bacteriology all the courses offered are applied in one of the following fields: (a) medicine; (b) sanitation; (c) industry. Laboratory work forms an important part of all courses.

SUGGESTED ELECTIONS

For majors in bacteriology:			
Sophomore year	101,	102,	103
Junior year			
Senior year			
	213,		
For medical, dental students and nurses			
	110,	111,	112
For home economics students			
For fisheries students			
For pharmacists and engineers			
For graduates All cour	rses a	bove	100

- 4. Bacteriology of Foods.—S.C. Fisheries.—A brief study is made of the technique of handling bacteria. Most of the time is given to the bacteriology of fermentation, putrefaction, sterilization, sanitation, and canning. Lab. fee, \$3; winter.

 Weinzirl.
- 101. General Bacteriology.—Technique in growing and examining bacteria, structure, functions and distribution; identification of species; study of common disease bacteria. Prerequisite, junior standing except for bacteriology majors. A knowledge of biology and general chemistry is desirable. Lab. fee, \$3. Five credits; autumn, spring, summer. Weinzirl and assistant.
- 102. 'Sanitary Bacteriology.—Consideration of water supplies and sewage disposal; milk, meat and other foods; certain industrial applications; inspection trips. Prerequisite, Bact. 101. Lab. fee, \$3. Five credits; winter. Weinzirl and assistant.
- 103. Public Hygiene.—Conservation of health; prevention of diseases; school hygiene; industrial hygiene, etc. Prerequisite, junior standing except for bacteriology majors. Five credits, lectures only, spring quarter.

 Weinzirl.

^{*}Not offered in 1922-1923

- 104. Serology.—Consideration of the types of immunity; immunization of animals and man; study of immune products. Prerequisite, Bact. 101, and senior standing. Lab. fee, \$4. Four credits; autumn.
- 105. Infectious Diseases.—Detailed study of the pathogenic bacteria, and methods of diagnosis of infectious diseases. Prerequisite, Bact. 101. Laboratory fee, \$4. Four credits; winter.
- 106. Clinical Diagnosis.—Examination of sputum, urine, blood, gastric and intestinal contents, parasites, etc. Prerequisite, Bact. 101. Lab. fee, \$4. Four credits; spring.
- 110. Pathology.—Gross and microscopic study of tumors. Class limited to ten students. Prerequisites, Bact. 101, Anat. 105. Lab. fee, \$4. Three credits; autumn.
- 111. Pathology.—Gross and microscopic study of inflammation and degeneration. Prerequisite, Bact. 110. Lab. fee, \$4. Three-credits; winter.

 Nickson.
- 112. Pathology.—Pathology applied to the systems of the body. Prerequisite, Bact. 111. Lab. fee, \$4. Three-credits; spring. Nickson.

GRADUATE COURSES

- 204, 205, 206. Advanced Bacteriology.—The student may pursue work along the following lines: 1. technique; 2. physiology; 3. enzymes; 4. special groups of bacteria; 5. analysis; 6. diagnosis; 7. serology; 8. other topics on consultation. Not more than two topics may be taken during any one quarter. Laboratory work, written reports and conferences. Perequisite, graduate standing. Lab. fee, \$4. Five credits; autumn, winter, spring, summer. Weinzirl and assistants.
- 207, 208, 209. Applied Bacteriology.—By special arrangement the student may spend not less than 18 hours per week in the state and city laboratories. The student may do analysis one term, bacterial diagnosis a second term, and complement fixation a third term. Credit will depend upon a satisfactory statement from the director in charge of the laboratory. Prerequisite, graduate standing. Five credits; autumn, winter, spring, summer.
- 210, 211, 212. Seminar.—A consideration of topics not included in the regular courses; also reports on recent investigations and of research work done by the members. Prerequisite, senior or graduate standing, and Bact. 102 or 105. Two credits a quarter; autumn, winter, spring. Weinzirl.
- 213, 214, 215. Research.—Investigation of assigned problems. Open to qualified students after consultation. Credits and time to be arranged; autumn, winter, spring, summer. Weinzirl.

BOTANY

Science Hall

PROFESSOR FRYD; ASSOCIATE PROFESSOR RIGG; ASSISTANT PROFESSOR HOTSON

SUGGESTED SELECTIONS

For the required biological science in the Colleges of Liberal Arts and Science, only courses 1, 2, 3, 105, 106, 107 will be accepted.

For a major: Courses 105, 106, 107, 140, 141, 142, 143, 144, 145 of which 105 and 106 are required.

For teaching botany: 105, 106, 107, 140, 141, 142, 143, 144, 145.

For pharmacy students: 13, 14.

For forestry students: 11, 12, 111, 140, 141, 142.

For fisheries students: 53, 130.

- 1. Elementary Botany.—The structure and functions of roots, stems, leaves and seeds. Only for those who have had no botany in high school. Five credits; autumn. Rigg and assistants.
- 2. Elementary Botany.—Types of the great groups of plants from the highest to the lowest. Open to students entering the second quarter without any previous botany. Five credits; winter.

 Frye and assistants.
- 3. Elementary Botany.—Plant analysis; field work with local flora. Open to students entering the third quarter without any previous botany. Five credits; spring.

 Frye and assistants.
- 8, 9, 10. Ecology and Taxonomy.—For city teachers. Field trips every other Saturday. Two to four credits a quarter; autumn, winter and spring quarters.

 Frye.
- 11, 12. Foresters' Botany.—Study of types of plants to illustrate the advance in complexity. For forestry students. Prerequisite, Bot. 1 or 2. Five credits a quarter; winter and spring.

 Hotson and assistant.
- 13, 14. Pharmacy Botany.—Gross structure of vegetative and reproductive parts of seeds; brief study of spore plants; microscopy of powdered drugs. Five credits, winter; four credits, spring. Rigg and assistant.
- 26. School Garden.—Prerequisite, Bot. 1, 2, or 10. Five credits; spring quarter. Hotson.
- 53. Aquatic Botany.—The plants of fresh water habitats especially those involved in the study of fishes and their culture. Five credits; spring.

 Rigg.
- 105, 106, 107. Morphology and Evolution.—Morphological study of types to show advances in complexity. Required for all majors unless courses 11 and 12 were taken in the freshman year. Prerequisite, Bot. 2 or 10, or Zool. 1 and 2, or senior standing without prerequisites. Five credits a quarter; autumn, winter, spring.

 Frye, and assistant
- 111. Forest Pathology.—The recognition and treatment of common wood destroying fungi. Prerequisite, Bot. 10 or 105. Five credits; autumn.

 Hotson and assistant.
- '130. Economic and Marine Botany.—Economic marine plants, their condition, the products derived therefrom and the process of manufacture. Prerequisite one year of chemistry and junior standing. Four credits; autumn.
- 140, 141, 142. General Fungi.—Morphology and classification of fungi as a basis for plant pathology. Prerequisite, Bot. 11 or 105, junior standing. Five credits a quarter; autumn, winter and spring. Hotson.
- 143, 144, 145. Plant Physiology.—Prerequisite, two quarters of botany and Chem. 21, junior standing. Five credits a quarter; autumn, winter and spring.
- 187. Journal Club.—Reviews of articles in current journals, suggested for seniors, graduates and instructors in the department. Prerequisite, junior standing; two years of botany. No credit; each quarter. Frye.

190, 191, 192. Rusts.—Morphology and classification of the Urediniales. Prerequisite, Bot. 142. Five credits a quarter; autumn, winter and spring.

Hotson and assistants

GRADUATE COURSES

- 200. Proseminar.—Semi-independent work by students. Open only on consultation with the head of the department. Credit to be arranged.

 Frye, Rigg, Hotson
 - 233. Research.—Credit to be arranged; any quarter.

Frye, Rigg, Hotson

- 240. Phycomycetes.—Prerequisite, Bot. 142. Five credits. Any quarter.
 Hotson
- 241. Ascomycetes.—Prerequisite, Bot. 142. Five credits. Any quarter.
 Hotson
- 242. Basidiomycetes.—Prerequisite, Bot. 142. Five credits. Any quarter.
 Hotson
- 250. Algae.—Prerequisite, Bot. 105. Five credits; any quarter. Frye
- 251. Bryophytes.—Prerequisite, Bot. 106. Five credits; any quarter.

 Frye
- 252. Pteridophytes.—Prerequisite, Bot. 106. Five credits; any quarter.
 Frye
- 253. Gymnosperms.—Prerequisite, Bot. 107. Five credits; any quarter.
- 254. Angiosperms.—Prerequisite, Bot. 107. Five credits; any quarter.

 Frye
- 261, 262, 263. Plant Pathology.—Study of diseases of plants and the fungi which produce them. Prerequisite, Bot. 142. Five credits a quarter; autumn, winter, spring.

 Hotson
- 271, 272, 273. Experimental Morphology.—Prerequisite is course 106, 145, one year chemistry, graduate standing. Two credits a quarter. Frye
- 279. Colloidal Biology.—Prerequisite, Bot 143, Chem. 32, graduate standing. Five credits; any quarter. Rigg
- 280. Micrometabolism.—Prerequisite, Bot. 12 or 107, 145, graduate standing. Five credits; any quarter.

CERAMICS

Mines Hall

ASSISTANT PROFESSOR WILSON

Norn: Mining, metallurgical, geological, or ceramic experience. Each student is required to spend at least one summer vacation. or its equivalent, in practical contact with the industry, and to submit upon his return to college a detailed report of his observations. Work of this nature offers an opportunity to secure data and material for the graduation thesis.

90. Ceramic Materials.—Origin, occurrence, physical properties and preparation of clays, feldspar, limestone, magnesite, silica, and other materials used in the ceramic industry. Prerequisite, sophomore engineering or mining standing. Three lectures and recitations. Three credits; spring. Wilson

of for fall F.W schroeder "Winter

- given Winter (3) *100 Ceramic Products.
- *101. Drying and Burning.
- *102. Ceramic Decoration.
- *104, 105. Ceramic Calculations. given winter (3)
- *110. Ceramic Physical-Chemical Measurements.
- *121, 122, 123. Ceramic Products Laboratory. CK, fall for F, WS&hreelry.
 *125, 126, 127. Ceramic Plant Design.
- *125, 126, 127. Ceramic Plant Design.
- *131, 132, 133. Ceramic Thesis.
- 140. Pottery.—Occurrence, winning and preparation of materials used in pottery manufacture. Processes used in molding, drying, firing, glazing, and decorating of pottery. Two lectures and recitations. Two credits; autumn.
- 150. Lime, Plasters and Cements.—Raw materials, manufacture and testing of lime, calcined gypsum, sand-lime brick, and Portland cement. Prerequisite, Chem. 3. Three lectures and recitations. Three credits; winter.
- 160. Glass Technology.—Theory and factory practice of glass manufacture. Prerequisite, Cer. 105. Two lectures and recitations. Two credits; autumn.
- 170. Metal Enamels.—Theory and practice of metal enameling. Prerequisite, Cer. 105. Two lectures and recitations. Two credits; autumn.
- 180. Refractories.-Origin, occurrence and physical properties of fireclays and other refractory materials. The manufacturing problems of fire-clay, silica, magnesia, chromite brick, electric furnace products and special refractories. Prerequisite, junior standing. Two recitations and on lab. period. Lab. fee, \$5. Three credits a quarter; autumn, winter or spring.
- 191, 192, 193. General Ceramics.—Occurrence, winning and preparation of materials used in ceramics. Process used in preparation of raw materials, shaping, drying and firing of ceramic products. One recitation and two lab. periods. Lab. fee, \$10. Three credits; autumn, winter and spring.
- 221, 222, 223. Ceramic Resources.—A study of the ceramic resources of Washington and the Pacific Northwest, or of some particular area in this region. Prerequisite, graduate standing. Hours and credits to be arranged.

GRADUATE COURSES

231, 232, 233. Ceramic Manufacture.—Studies in the manufacture of clay products, especially the utilization of raw materials found in the Pacific Northwest. Prerequisite, graduate standing. Hours and credits to be arranged. Wilson

CHEMISTRY

Bagley Hall.

Proyessors Benson, Johnson, Dehn, Smith; Associate Peofessor Tartar; Assistant Professors Heath, Thompson, Lynn; Instructors MoMillin, Whitwell, Powell, Gailey; Associates Radford, Whipple, Semon, Draves.

The instruction in this department is designed to satisfy, as far as possible, the requirements of those students who desire to study chemistry as a means

^{*}Not offered in 1922-1923.

V

of culture and as a necessary complement of a liberal education. It is realized that the subject is eminently practical; hence it is the desire of those in charge so to guide the student that he may fit himself for work in those lines in which chemistry has become an applied science.

REQUIREMENTS OF THE DEPARTMENT

Students desiring to specialize in chemistry may select one of the three courses: (1) the elective curriculum designed for those who wish to take a general course in chemistry and leading to the degree of B.S. in the College of Science (see page 76); (2) the suggested curriculum designed for those who intend to make use of chemistry as a vocation and leading to the degree of B.S. in Chemistry (see page 78); (3) the prescribed curriculum in chemical engineering designed for those who plan to engage in the manufacturing industries and leading to the degree of B.S. in Chemical Engineering (see page 121.)

The fee for each laboratory course is \$7.50 a quarter. This covers the general laboratory expenses such as gas, water, depreciation, etc. For the purchase of chemicals and apparatus, each student is required to buy a breakage ticket when he obtains his locker key. The cost of this ticket is \$5. Any unused portion of the breakage ticket will be refunded.

1-2. General Inorganic Chemistry.—Fundamental chemical theory and the chemistry of the non-metallic elements. Open only to students not having had an accredited high school course in chemistry. Three lectures and two lab. periods a week. Five credits a quarter; any quarter.

Smith, Tartar, Thompson

- 4. General Chemistry.—For short course miners. Three lectures and one 4-hour lab. period a week. No credit; winter. Thompson
- 5-6. General Chemistry.—Open only to women in home economics and physical education. Three lectures and two lab. periods a week. Five credits a quarter; winter, spring.
- 8-9-10. General Chemistry and Qualitative Analysis.—Open only to pharmacy students. The work in the spring quarter is qualitative analysis. Three lectures and two lab. periods a week. Five credits a quarter; autumn, winter, spring.

 Lynn
- 21-22. General Inorganic Chemistry.—Fundamental chemical theory and the chemistry of the non-metallic elements. Open only to students having had an accredited high school course in chemistry. Three lectures and two lab. periods a week. Five credits a quarter; any quarter.

 Smith, Tartar, Thompson
- 23. Elementary Qualitative Analysis.—Two lectures a week deal with the chemistry of the metallic elements. One lecture a week and the entire laboratory time is devoted to qualitative analysis. Prerequisite, Chem 2, 22 or equivalent. Three lectures and two lab. periods a week. Five credits; any quarter.

 Smith, Tartar, Thompson.
- 37-38-39. Organic Pharmaceutical Chemistry.—Study of the organic chemicals of the U. S. Pharmacopoeia. Open only to pharmacy students. Prerequisite, Chem. 10 or its equivalent. Three lectures and two lab. periods a week. Five credits a quarter; autumn, winter, spring.

 Johnson
- 52. Chemical Technology.—Application of the preceding courses to chemical manufacturing practice. No fee. Prerequisites, Chem. 23, Physics 97, Math. 61. Three lectures. Three credits; spring. Whitwell

*55. Forest Products.

- 101. Advanced Qualitative Analysis.—Two lectures and three lab. periods a week. Prerequisite, Chem. 23 or its equivalent. Five credits; autumn, winter, spring. Thompson
- 104. Food Chemistry.—For home economics students. Methods of analysis of various foods and federal and state laws studied. Two lectures and two lab. periods a week. Four credits; spring.
- 105, 106, 107. Food Chemistry.—Laboratory and class work in analysis of food products and study of federal and state laws regulating the sale of food products and drug products. Five credits per quarter; autumn, winter,
- 111. Quantitative Analysis.—A brief course which deals with both gravimetric and volumetric methods. Prerequisite, Chem. 23 or its equivalent. Two lectures and three lab. periods a week. Five credits; autumn, winter, spring.
- 112. Quantitative Analysis.—Gravimetric analysis. Prerequisite, Chem. 23 or its equivalent. Two lectures and three lab. periods a week. Five credits; autumn, winter, spring. Heath
- 113. Quantitative Analysis.-Volumetric analysis. Two lectures and three lab. periods a week. Prerequisite, Chem. 23 or its equivalent. credits; autumn, winter, spring. Heath.
 - 114. Advanced Quantitative Analysis.—Two lectures and three lab. periods a week. Prerequisite, Chem. 23, and either 112 or 113. Five credits; autumn. Heath.
 - 116, 117, 118. Industrial Chemistry.—Brief course covering the materials and processes involved in the manufacturing industries. Autumn-fuels, materials of construction, water supply and sanitation; winter-acids, alkalies and salts; spring—technology of oils, fats, resins and waxes. Any quarter's work may be taken separately. Three lectures. Prerequisite, Chem. 3 or 23 or equivalent. No fee. Three credits a quarter; autumn, winter, spring.
 - 121, 122, 123. Industrial Chemistry.—Autumn—fuels, gases, cements, ck.for zer refractories, iron and steel, and alloys with special reference to technical forwarder testing; winter-machinery and processes for the manufacture of acids and for neturne alkalies; spring—organic industrial chemistry, particularly with the technology of oils, fats, paints, rubber and cellulose products. The work of each quarter may be undertaken independently. Three lectures and two lab. periods a week. Prerequisite, Chem. 52, 111 or equivalent. Five credits a quarter; autumn, winter, spring.

 Benson, Whitwell.
 - 128-129. Organic Chemistry.—Brief course for medical, chemical engineering and technical students. Three lectures and two lab. periods a week. Prerequisite, Chem. 23 or its equivalent. Five credits a quarter; winter, spring.
 - 131, 132, 133. Organic Chemistry.—For major students in chemistry and for students in the College of Science. Three lectures and two lab. periods a week. Prerequisite, Chem. 23 or its equivalent. Five credits; autumn, Dehn. winter, spring.

^{*}Not offered in 1922-1923.

g netter omrese g Ogenstein Dije ogs

- 134. Manufacture of Industrial Organic Chemicals.—Laboratory course in the preparation of organic chemicals on a semi-commercial scale which may be taken independently or in lieu of the regular laboratory work in course 129 or 133. Two lab. periods a week. Two credits; spring. Powell.
- 135-136. Organic Chemistry.—For home economic students. Only women are admitted. Three lectures and two laboratory periods a week. Prerequisite, Chem. 6 or its equivalent. Five credits a quarter; autumn, winter.

 Powell.
- 141-142. Physiological Chemistry.—General course for students of medicine, biology and bacteriology. Chemical composition of foods, tissues, secretions and excretions, their physiological and pathological changes. Prerequisite, Chem. 111 or 113 and 129 or equivalent. Three lectures and two lab. periods. Five credits; autumn, winter.
- 144. Physiological Chemistry.—For fisheries and other technical students. Prerequisite, Chem. 129 or its equivalent. Three lectures and two lab. periods a week. Five credits; spring.
- 146. Chemistry of Blood and Urine.—Study of normal and pathological blood and urine. Intended for pre-medical students, nurses and clinical technicians. One lecture and two lab. periods. Prerequisite, Chem. 111 or 113 and 120. Three credits; spring.
- 150. Industrial Seminar.—A special course for advanced students will be given each year by members of the staff especially qualified for some particular subject. During 1922-23 the subject will be synthetic dye-stuffs. Lectures and laboratory periods will be arranged. Two credits; winter.

Dehn.

- 160-161. Elementary Physical Chemistry.—Brief course, general survey, descriptive, non-mathematical, particularly for the needs of premedic and science students majoring in subjects other than chemistry. Chemistry majors may, with the instructor's permission, take this instead of 181-182. Two lectures and one lab. period. Prerequisites, Chem. 111 or equivalent and ten hours of physics. Three credits a quarter; winter, spring.
- 181-182. Physical and Theoretical Chemistry.—Course deals with the fundamental theories of chemistry based upon physical and chemical measurements. Three lectures and two lab. periods a week. Prerequisite, Physics 2 and Chem. 113. Five credits a quarter; autumn, winter.
- 183. Electro-Chemistry.—Theories and laws of voltaic currents and laboratory work with electro-chemical processes and measurements. Three lectures and two lab. periods a week. Prerequisite, Chem. 182. Five credits; spring.
 - *184. Chemistry of Colloids.
- 192. Chemistry of Plants and Animal Tissues.—Application of physiological chemistry to the study of biology. Prerequisite, Chem. 111 or 113 and 129. One lecture and two lab. periods. Three credits; winter. Gailey.
- 193. Chemistry of Nutrition.—Study of enzyme and chemical reactions involved in digestion and metabolism. Prerequisite, Chem. 111 or 113 and 129. Two lectures and one lab. period a week. Autumn. Gailey.
- 200. Journal Seminar.—Advanced students may register for assigned readings and reports on the chemical literature. Different members of the

^{*}Not offered in 1922-1923.

staff will have charge of the course during the various quarters. No fee. One credit a quarter; autumn, winter, spring.

GRADUATE COURSES

- 203. Advanced Physical Chemistry.—Chemical statics and dynamics. Prerequisite, Chem. 182 or equivalent. No fee. Three lectures. Three credits; autumn.
- 205, 206, 207. Inorganic Preparations.—Preparation of special substances involving representative laboratory methods. Any quarter may be taken independently. Two lab. periods a week. Two credits a quarter; autumn, winter, spring.

 Thompson.
- 210, 211, 212. Organic Preparations.—Preparation of special substances involving representative laboratory methods. Any quarter may be taken independently. Two lab. periods. Two credits a quarter; autumn, winter, spring.
- 213. Organic Analysis.—Special methods used in the analysis of organic substances. Two lab. periods a week. Prerequisite, Chem. 133 and 113. Two credits; autumn.
- 215, 216, 217. Chemical Engineering.—For seniors and graduates in chemical engineering. Autumn—course consists of selected chemical processes with special emphasis on the factors of control and inspection; winter—preparation of drawings and specifications of fundamental apparatus such as driers, coolers, grinders, conveyors, evaporators, and stills, together with computations of heat interchange, etc.; spring—the evolution of a chemical process from assigned raw materials quantitatively and experimentally tested. This quarter's work may be reported in the form of a thesis for the bachelor's degree. Prerequisite, Chem. 123, C.E. 2 and M.E. 90. Lab. hours and fees to be arranged. Five credits a quarter; autumn, winter, spring.

 Benson, Whitwell.

*219. Advanced Chemical Engineering.

- 221, 222, 223. Advanced Inorganic Chemistry.—A comprehensive course based on the periodic system of the elements; illustrative applications of various laws and theories. Two quarters devoted to the elements and their ordinary compounds, and one quarter to the chemistry of the higher order compounds. Recommended for all majors and graduate students. No fee. Two credits a quarter; autumn, winter, spring.
- 224, 225. History of Chemistry.—Lectures and assigned reading. No fee. Prerequisite, Chem. 133, 182. Two credits; autumn, winter. Smith.
- 231, 232, 233. Advanced Organic.—Detailed study of special fields of crganic chemistry. Any quarter may be taken independently. Prerequisite, Chem. 129, 182. No fee. Three lectures; three credits a quarter; autumn, winter, spring.
- 250. Research.—The work in research is of three types: (1) Special investigations by advanced students may be carried on under the direction of members of the staff. (2) Research for the master's degree. Maximum credit is nine hours. (3) Research for the doctor's degree. Work for this degree may be carried on under the direction of any member of the regular staff of the department. Maximum credit is forty-five hours.

^{*}Not offered in 1922-1923.

CIVIL ENGINEERING

Education Hall

PROFESSORS MORE, ALLISON; ASSOCIATE PROFESSORS HARRIS, RUBSY;
ASSISTANT PROFESSORS RATHEUN, COLLIER, MAY; INSTRUCTORS, WHITE, HAMILTON, MILLER,
BROWN, DOBSON, DANA, THOMPSON, WILCOX, TRUESBELL; ASSOCIATES, WELD, STRANBERG,
WERNEGKE

- 1. Engineering Drawing.—Lettering; engineering sketching, fundamental principles of working drawings; mapping, map conventions. Lab. deposit, \$2. Three credits; autumn, winter, spring. White.
- 2. Engineering Drawing.—Detail and assembly drawings; readings of drawings; use of instruments; tracing; standards and conventions. Prerequisite, C.E. 1. Three credits; autumn, winter, spring. White.
- 4. Topographic Surveys.—Field and office collection of information and platting of field notes for topographic surveys. For geology students. Lab. fee, \$2. Three credits per quarter; spring.

 Wilcox.
- 11. Engineering Problems.—Training in methods of attacking, analyzing and solving engineering problems. Coaching in proper methods of work and study, including training in systematic arrangement and clear workmanship. Deals mainly with the dynamic side of the problems. Three credits; autumn, winter, spring.

 Truesdell.
- 12. Engineering Problems.—Continuation of the work in C.E. 11 but devoting most of the time to statics. Prerequisites, C.E. 1, C.E. 11 and Math. 51. Must be preceded or accompanied by Math. 52. Three credits; autumn, winter, spring.
- 13. Engineering Problems.—Detailed analysis and solution of numerous engineering problems dealing with space and dimensions by the use of graphic methods. Prerequisites, C.E. 1 and C.E. 2. Three credits; autumn, winter, spring.
- 21. Plane Surveying.—Surveying methods, instruments, computations, mapping. U. S. public land surveys. Prerequisites, C.E. 1 and Math. 52. All freshmen engineers. Laboratory fee, \$2. Three credits; autumn, winter, spring.
- 22. Railroad Surveying.—Plane curves, grades and earthwork. Elementary railroad engineering. Prerequisite, C.E. 21. Laboratory fee, \$2. Four credits; autumn.
- 23. Higher Surveying.—Meridian observations; triangulation and base line measurements; computations and adjustment of measurements; plane table surveying. Prerequisite, C.E. 21. Laboratory fee, \$2. Four credits; winter.
- 24. Field Engineering.—Field and office practice in the survey of highways, railroads, canals, etc. Prerequisites, C.E. 21 and C.E. 22. Laboratory deposit, \$2. Four credits; spring.
- 27. Mine Surveying.—Surface and underground practice; observation for meridian; topography; mining claim survey; tunnels, and vertical shaft work and connections; mapping. Prerequisite, C.E. 21. Sophomore mining engineers. Laboratory deposit, \$2. Three credits; winter. Rubey.
- 30. Surveying.—(Short session in Forestry). Laboratory fee, \$2. Five credits; winter.

- 38. Surveying.—(Short session in Mining). Laboratory fee, \$2. Five credits; winter.
 - 55. Forest Surveying.—For students in forestry. Laboratory fee, \$2. Two credits; winter. Hayden.
 - 56. Forest Surveying.—Chain, compass, transit and level surveying, with reference to work in forestry. Laboratory fee, \$2. Five credits; spring.

 Rubey.
 - 91, 92, 93. Mechanics:...For Civil Engineers.—Applications of elementary principles of statics, dynamics, and mechanics of materials. Prerequisite C.E. 12. Three credits a quarter; autumn, winter, and spring. More.
 - 112. Railway Construction.—Railway construction methods, machinery and tools; details of track, and terminal structures. Prerequisite, C.E. 24. Three credits; winter. With drawn Rubey.
 - **115. Railway Economics.—The economic theory of railway location, operation and maintenance. Prerequisite, C.E. 24. Three credits; spring.
 Rubey.
 - 122. Highways.—Location and construction of standard types, with application to local conditions. Prerequisite, C.E. 22. Three credits; spring.

 Allison.
 - **126. Roads and Pavements.—Materials, construction and maintenance. Laboratory study of materials used in pavements. Prerequisite, C.E. 122. Laboratory deposit, \$2. Five credits; autumn.

 Allison.
 - 131. Mechanics.—Algebraic and graphic application of elementary principles of statics. Prerequisites, C.E. 12 and Math. 62. Three credits; autumn, winter, or spring.

 More.
 - 132. Mechanics.—Application of elementary principles of dynamics. Prerequisite, C.E. 131. Three credits; autumn, winter or spring. May.
 - 133. Mechanics.—Continuation of C.E. 131 and C.E. 132; and mechanics of materials. Prerequisite, C.E. 132. Three credits; autumn, winter, spring.
 - 134. Framed Structures.—Application of mechanics to analysis of structural details and simple framed structures. Prerequisite, C.E. 93 on C.E. 133. Three credits; autumn.
 - 135. Advanced Mechanics.—General theories of flexure. Problems in indeterminate structures. Senior and graduate engineers. Prerequisite, C.E. 93 or C.E. 133. Five credits; spring.
 - **137. Mechanics.—Analytical study of problems in mechanics. Prerequisite, C.E. 93 and Math. 2. Three credits; spring. Rathbun.
 - 139. Reinforced Concrete.—Fundamental principles of reinforced concrete. Prerequisite, C.E. 93 or C.E. 133. Three credits; spring. More.
 - 142. Hydraulics.—Flow of water through pipes, orifices, over weirs, and in open channels; energy and reaction of jets with application to impulse wheels; review of hydrostatics. Prerequisite, C.E. 131 or C.E. 93. Laboratory deposit, \$2. Five credits; autumn, winter, spring.
 - 143. Hydraulic Engineering.—Complete problems presenting hydraulic engineering. Prerequisite, C.E. 142. Three credits; winter. Harris.

^{· **}Will be offered if a sufficient number of students elect the course.

- **145. Hydraulic Machinery.—Development and theory of water wheels and turbine pumps; design of a reaction turbine; reference to hydrostatic machinery and dredging equipment. Prerequisite, C.E. 142. Senior and graduate E.E. and M.E. Three credits; winter.
- 147. Hydraulic Power.—Generation of power; penstock and turbines; types of installations. Prerequisite, C.E. 142. Senior and graduate C.E. Five credits; spring.
- 153. Water Supply.—Principal engineering operations necessary to secure suitable water supplies for cities, towns and industrial plants. Senior and graduate C.E. Prerequisite, C.E. 142. Three credits; autumn. Allison.
- 154. Sewerage and Drainage.—Design and construction of sewerage and drainage systems for cities and towns. Senior and graduate C.E. Prerequisite, C.E. 142. Three credits; winter.
- 155. Water Supply Problems.—Methods used in obtaining a suitable supply; purification of water. Senior and graduate C.E. and Ch.E. Prerequisite, C.E. 142. Three credits; winter.
- and methods of obtaining it for irrigation purposes. Design and construction of irrigation works. Prerequisite, C.E. 142. Three credits; authors.
- **158. Sewage Treatment.—Supplementary to C.E. 154, especially relating to public health; sewage disposal; garbage collection and destruction. Senior and graduate C.E. and Ch.E. Three credits; spring.

 Allison.
- **160. Building Construction.—Study of construction problems from the standpoint of the builder. Prerequisite, C.E. 93 or C.E. 133. Three credits; spring.
- 161. Structural Design.—Relation of theory of structures to engineering practice. Special application to roof and bridge trusses. Prerequisite, C.E. 134. Five credits; winter. Rathbun.
- **164. Advanced Structural Design.—Reinforced concrete, arches, statically indeterminate truss design. Prerequisite, C.E. 161. Five credits; spring.
- 167. Materials of Construction.—The properties of materials used in engineering construction; timber, concrete, steel, etc. Recitations and laboratory. Prerequisite, C.E. 93. Lab. fee, \$2. Five credits; autumn. Collier.
- 169. Engineering Relations.—Consideration of the construction and operation of projects, and of the involved business relations. Prerequisite, senior standing. Five credits; autumn.

 Rubey.
 - 198. Thesis. Five credits.
- 210, 212, 214. Research.—Time to be arranged. Two to five credits; autumn, winter, spring.

CLASSICAL LANGUAGES AND LITERATURE

Denny Hall

PROFESSOR THOMSON; ASSOCIATE PROFESSOR SIDEY; ASSISTANT PROFESSORS DENSMORE, CLARK

Requirements for a major; at least 36 hours in the department, chosen from the courses other than Greek 11 and 13-14; Latin, 1, 2, 3, 4, 5, 6, 11; 14-15-16. A student specializing in Greek must take at least nine hours of Latin; one specializing in Latin must take at least ten hours of Greek.

**Will be offered if a sufficient number of students elect the course.



I. GREEK

- 1-2-3. Elementary Greek.—Introduction to a knowledge of the Greek language is made through the medium of Homer. Book I of the Iliad will be covered during the year. To insure proper adaptation to the ability of the student, the method of supervised study will be followed during one afternoon period each week. Five credits a quarter, beginning any quarter.
- 4-5. The World of Homer.--Readings from the story of Achilles and the wanderings of Odysseus on a background of a general study of the history of the period down to Hesiod. Three credits; autumn, winter.
- 6. The Persian War Period.—Wide readings in Herodotus. Three credits; spring. Densmore.
 - *7. New Testament Greek.
 - *8-9-10. Greek Art.
- 11. Greek Civilization.—Institutional and cultural survey of the Greek world from the earliest times to the Roman conquest. Illustrated lectures, conferences and discussions. Knowledge of Greek not required. Five credits; autumn. Densmore.
- 13. Greek Literature. The masterpieces in English translations. Knowledge of Greek not required. Five credits; autumn, winter, spring.
- 14. Greek and Roman Literature.—Continuation of course 13 but may be elected by those who have not had Greek 13. Five credits; autumn, winter, spring.
- 15-16. Greek Civilization and Literature.—Duplication of course 11, but including the literature in translation as a fundamental expression of the Greek genius. Five credits a quarter; winter, spring.
- 101-102-103. The Periclean Age.—An intensive study of Greek civilization from the founding of the Delian confederacy to the death of Socrates. Readings, conferences, and reports Prerequisite, Greek 4-5 or equivalent. Three credits a quarter; autumn, winter, spring. Densmore.
- 104-105-106. Greek Poetry.—Lyric, dramatic, pastoral. Prerequisite, Greek 6. Two credits a quarter; autumn, winter, spring. Densmore.
- 107-108-109. Greek Prose Writers.—Xenophon's Economist; The Constitution of Athens; Demosthenes; Plutarch's Lives. Two credits a quarter; Densmore. autumn, winter, spring.

151-152-153. Plato: The Republic.—Three credits a quarter; autumn, Densmore.

1-2-3. Elementary Latin .-- Course covers the first and second years of high school Latin. Designed to help those who have previously had little or no Latin to an appreciation of the sources of the English and Romanic languages, as well as to enable those who desire to study Latin more thoroughly to bring their preparation up to the college requirements. It will be given if any considerable number of students desire it. Five credits a quar-Sidey. ter: autumn, winter, spring.

^{*}Not offered in 1922-1923.

- 4-5-6. Third Year Latin.—Open to those who have completed two years of high school Latin or who have had Latin 1-2-3 in the University. May be used as a substitute for the requirement in ancient language, Life and Literature and will also qualify a student to enter Latin 21. The work will consist of a review of grammar and syntax and the study of selections from Cicero and Vergil. Five credits a quarter, autumn, winter, spring.

 Thomson, Clark.
- 11. Roman Civilization.—The part played in history by the Romans; their contributions to modern civilization. Lectures, illustrated, when possible; collateral reading and reports. Five credits; autumn, winter, spring.

 Clark.

13. Roman Literature.—(See Greek 13-14.)

- 14-15-16. Roman Art.—Roman architecture for two quarters, followed by sculpture, numismatic and minor arts. Illustrated by photographs and slides. Primarily for students of fine arts but open to all. Alternates with the course in Greek art. One credit a quarter; autumn, winter, spring.
- 21. Cicero De Senectute.—Comparison of Cicero's work with similar essays. Exercises in grammar and composition. Prerequisite, three and one-half years of high school Latin. Five credits; autumn. Clark.
- 22. Ovid.—Selections, chiefly from the Metamorphoses, with some study of the same myths as they appear in English literature. Grammar and composition. Prerequisite, three and one-half years of high school Latin. Three or five credits; winter.
- 23. Catullus.—The Latin lyric. Emphasis upon finished translation and comparison of the best English versions; grammar and composition. Prerequisite, three and one-half years of high school Latin. Three or five credits; spring.
- 50. Livy.—One book and selections from the other books. Prerequisite, Latin 21, 22, 23, or special permission. Five credits; autumn. Thomson.
- 60. Horace: Odes; Vergil: Eclogues.—Prerequisite, Latin 21, 22, 23 or special permission. Five credits; winter.

 Thomson.
- 70. Tacitus: Agricola; Martial: Epigrams.—(Selections). Prerequisite, Latin 21, 22, 23 or special permission. Five credits; spring. Thomson.
- 106. Syntax and Prose Composition.—Prerequisite, Latin 50 or 60 or 70. Three credits; autumn. Clark.
- 107. The Age of Cicero.—A study of selected portions of Cicero's Letters and the Civil War of Caesar. Prerequisite, Latin 50, 60 or 70. Three credits; winter (Not to be offered in 1923-1924).
 - *108. Vergil's Aencid_(To be offered in 1923-1924). Clark
- 109. Tacitus' Annals.—A reading course. Prerequisite, Latin 50, 60 or 70. Three credits; spring
 - *110. Lucretius.
 - *111. The Roman Epic.
 - *112. Short Stories from Apuleius.
- 151. Latin Satire.—A study of Horace, Juvenal and minor satirists. Two credits; autumn.

^{*}Not offered in 1922-1923

- 152. Christian Latin.—Selections from Minucius Felix, Augustine, Lactantius and other early Christian writers. Two credits; winter. Sidey.
- 153. Medieval Latin.—Einhard's Life of Charlemagne and Bede's Ecclesiastical History of England. Two credits; spring.

Note—For courses in Conparative Philology, see the department of Scandinavian Languages and Literature.

Note—For teachers' course in Latin, see department of education, Educ. 160.C.

DRAMATIC ART

Denny Hall

PROFESSOR GORSUOH; INSTRUCTOR HUGHES

The work in this department is planned for three classes of students:
(a) those who desire some knowledge of dramatic art as part of a liberal education; (b) those who need some knowledge of dramatic art as part of their technical training; and (c) those who wish to pursue the subject more intensively than either of the former groups, except courses 101-102-103.

For a major the department requires 38 to 60 credits, of which 24 must be in the department, including courses 1-2-3 and 21-22-23.

Courses 1-113 (inclusive) may be entered at the beginning of the first, second or third quarters.

- 1-2-3. Dramatic Literature.—Introductory course. Selected plays of the great dramatists are studied with the purpose of increasing the student's power of analysis and appreciation. Three credits a quarter; autumn, winter, spring.

 Gorsuch.
- 21-22-23. Shakespeare.—Dramatic reading and interpretation of selected plays. Courses 21-22-23 have as their general purpose the interpretation of the drama. Selected plays are used as exercises in dramatic delivery and for the study of effectiveness in the heading of lines. The special aims are to correct personal mannerisms of vocal expression and to encourage habits of speech that are right and natural; to cultivate proper instinctive expression and the use of imagination in conceiving the situation, relation and characterization as these are manifested in utterance. Three credits a quarter; autumn, winter, spring.
- 27-28-29. Contemporary Drama.—Dramatic reading and interpretation of selected plays. For further information see courses 21-22-23. Gorsuch.
- 31. Practical Public Speaking.—An introductory course. Principles of public speaking are studied and short, original talks are prepared and delivered. Prerequisite, English 1. Three credits a quarter; autumn, winter, spring.

 Gorsuch.
- 32-33-34. Practical Public Speaking.—Prerequisite, Dram. Art 31, or junior standing. Three credits a quarter; autumn, winter, spring. Gorsuch.
- 101-102-103. Play-acting and Play-producing.—A practical course in the art of acting, with some time given to the problems of producing. Includes work in interpretation of both standard and original plays. Four credits a quarter; autumn, winter, spring.

 Hughes—
- 111-112-113. Play-writing.—A study of the principles of dramatic composition, together with experimental creative work. Five credits a quarter; autumn, winter, spring.

 Hughes-

Work to be announced later will include courses in producing, general stagecraft.

ECONOMICS AND BUSINESS ADMINISTRATION

Commerce Hall

PROFESSORS MILLER, KIBLER, LEWIS, PRESTON; ASSOCIATE PROFESSORS CUSTIS, SMITH, MORIANTY, COX; ASSISTANT PROFESSORS MOMAHON, SKINNER (ABSENT ON IRREDUCTORS GREGORY, DRAFER, LEIB, DRISGOLL, TARBILL, HAMAGE, MCGIRE, ACTING INSTRUCTOR RUBSHL; LECTURERS, MCCONAHEY, DAVIS, ROBERTSON, HENDERSON; ASSOCIATES, VAN DE WALKER, FARWELL; TEACHING FELLOWS, TROWE, BACHELOR, WILCOX, DICKERSON, BUTTERBAUGH, FSILLOWS, BLAINEY; STUDENT ASSISTANTS WOODBRIDGE, LAMONT, NEWMAN. WEENER, ZENER.

Those students in Liberal Arts choosing economics as their major, should consult with the head of the department or the professor in charge of Advanced Economics with regard to a proper selection of courses. The following courses may be regarded as available for such students: 1, 2, 57, 58, 61, 104, 105, 106, 121, 123, 127, 159, 160, 161, 162, 164, 165, 168, 201, 205, 207.

- 1. General Economics.—Introductory course covering general principles of economics. Prerequisite to all sophomore, junior and senior courses in bus. admin. Fee, \$1.50. Five credits; autumn, winter, spring, summer.

 Miller and staff
- 2. General Economics.—Same as B.A. 1 above, abbreviated for chemistry, pharmacy, forestry and fisheries. Fee, \$1.50; Three credits; spring.

 Miller and staff.
- 7. Economic Resources of the World.—Study of world's principal agricultural and mineral resources; geographical distribution and development; governmental policies of conversation; world commerce, trade routes. Fee, \$1.50. Five credits; autumn, winter, spring.
- 11. First Year Accounting.—First half. Functions of accounts; trial balances; balance sheets; profit and loss statements; books of original entry; ledgers; business forms and papers. Given all four quarters. Fee \$5.50. Five credits. Sections: Woodbridge, Butterbaugh, Dickerson.
- 12. First Year Accounting.—Second Half. Accounts peculiar to partnerships and corporations; correct classification of accounts; manufacturing and cost accounts; controlling accounts and subsidiary ledgers; voucher system. Given all four quarters. Fee, \$5.50. Five credits. Sections: McGirr, Trow, Lamont.
- 52. Navigation.—Correction of courses; the sailings, dead reckoning, piloting, latitude, longitude, azimuth, amplitude, determination of position at sea by the methods of Marc Saint Hilaire and Aquino; compass adjusting. Fee, \$1.50. Five credits; spring and summer.
- 54. Business Law.—Fundamental principles of law. The more general and practical principles are developed from problems and selected cases, particularly as related to the law of contracts, property, agency, negotiable papers; insurance partnership and corporations with special lectures on the statutory regulations pertaining thereto. Fee, \$1.50. Three credits; autumn. Ayer. 55. Business Law.—A continuation of B.A. 54. Fee, \$1.50. Three cred-

its; winter.

55. Business Law.—A continuation of B.A. 54. Fee, \$1.50. Three credits; winter.

- 56. Business Law.—A continuation of B.A. 55. Fee, \$1.50. Three credits; spring.

 Ayer.
- 57. Money and Banking.—An introductory course. Among the subjects considered are the functions of money; standards of value; financial conditions, and the principles of banking with special reference to the banking system of the United States. Prerequisite, B.A. 1 Fee, \$1.50. Five credits; autumn, winter, spring.

- 58. Risk and Insurance.—Study of the risk factor in its economic and social consequence; ways of meeting risk; the general broad outline of life, fire and other insurance. Prerequisite, B.A. 1. Fee \$1.50. Five credits; autumn.
- 61. Social and Economic Standards of Living.—Their origin and development; class standards and their influence on industry. A comparative study of budgets. Prerequisite, B.A. 1. Fee, \$1.50. Five credits; autumn, winter, spring.

 McMahon.
- 64. Second Year Accounting.—First Half. Preparation of balance sheets and profit and loss statements; factory costs; general principles of valuation; caluses and methods of treating depreciation; capital and revenue concepts. Given all four quarters. Prerequisite, B.A. 11-12. Fee, \$3.50. Five credits. Sections:
- 65. Second Year Accounting.—Second Half. Valuation of balance sheet and revenue statement items; surplus and reserves; dividends; sinking funds; liquidation of partnerships and corporations; consolidated balance sheets; reports of trustees and receivers. Given all four quarters. Prerequisite, B.A. 11-12. Fee, \$3.50. Five credits.

 Sections:

 Draper and Van de Walker.
- 66. Ship Operation.—Types of vessels, with reference to materials and methods of construction, stress and stability of hulls, methods of propulsion, measurement, stowage of cargo. Fee, \$1.50. Five credits; autumn and winter.
- 67. Paper Work in Shipping.—Study of the forms used in documenting, entering and clearing, and in making coastwise and foreign shipments, with the solution of a number of practice problems. Fee, \$1.50. Five credits; autumn and winter.
- 81. Typewriting I.—Beginners' course in typewriting technique. Two class hours and eight practice hours weekly. Fee \$10. No credit; autumn, winter, spring.
- 82. Typewriting II.—Continuation of B.A. 81, with attention to speed, accuracy, form, etc. Fee \$10. No credit; autumn, winter, spring. Hamack.
- 83. Office Training.—Designed to familiarize the student with the work of the business office. The laboratory method is used as far as facilities will permit; this training supplemented by surveys of the office equipment and routine in some of the local business establishments. Prerequisites, B. A. 81, 82, 84, 85. Fee \$10. Three credits; autumn, winter, spring. Hamack.
- 84. Shorthand I.—Beginner's course in shorthand theory and technique. Fee \$10. No credit; autumn, winter, spring.
- 85. 'Shorthand II.—Continuation of B.A. 84. Fee \$10. No credit; autumn, winter, spring.
- 86. Shorthand III.—Continuation of B.A. 85, with dictation. Fee, \$10. No credit; autumn; winter, spring.
- 87. Practical Reporting.—Training and drill are given in reporting court procedure, sermons, conference discussion and debate, etc. Fee, \$10. No credit. Prerequisites, B.A. 84, 85, 86. Autumn, winter, spring. Hamack.
- 101. Secretarial Training.—The functions of the secretary, modern methods of organizing, systematizing, the work of the ordinary business office. Includes study of the use of office appliances, indexing, filing, refer-

ence work, interviewing, business ethics, practical details of office work. Prerequisites, B.A. 81, 82, 84, 85 or equivalent. Fee, \$1.50. Five credits; autumn.

Draper.

- 102. Office Management.—General survey of the office manager's problems of office administration. Attacks the problem of office control by the various activities and study each in relation to all the others. Fee, \$1.50. Five credits; winter.
- 104. Economics of Transportation.—Study of the relation of transportation to industry and society; development and present status of American transportation system; organization of the service; traffic associations; classification territories; routes; traffic agreements; rates and regulations. Prerequisite, B.A. 1. Fee, \$1.50. Five credits; autumn. Kibler.
- 105. Business Organizations.—Study of business corporations, associations, combinations; special reference to their functions, operation, advantages and disadvantages; relation to the anti-trust laws. Prerequisite, 10 hours of economics and business administration, including B.A. 1. Fee, \$1.50. Five credits; autumn.
- 106. Economics of Markets.—Application of the principles of economic theory to problems of marketing; a general survey of modern marketing methods in raw and manufactured products. Prerequisite, B.A. 1. Fee, \$1.50. Five credits; autumn.
- 109. Marketing of Lumber.—Study of the inter-relations of manufacturers, wholesalers and retailers of lumber applying economic principles to effective methods of marketing lumber. Fee, \$1.50. Five credits; spring.
- 111. Third Year Accounting.—First Half. Advanced partnership and cooperation accounting; nature of profits, dividends, the legal status of same; statement of affairs; realization and liquidation accounts. Fee, \$3.50. Prerequisites, B.A. 64-65. Five credits; autumn, winter, spring.

Cox and McConahey

- 112. Third Year Accounting.—Second Half. Bond and stock issue problems; premiums and discounts on securities; funds and reserves; mergers and consolidations; graphs and comparative statements; estate accounting. Prerequisites, B.A. 64-65. Fee, \$3.50. Five credits; autumn, winter, spring. Cox and McConahey.
- 113. Ports and Terminals —Study of the factors of a well coordinated port; modern terminal facilities representative river, lake and sea ports. Fee, \$1.50. Three credits; autumn and winter.
- 119. Water Transportation.—Study of the economics of shipping with particular reference to organization and management; ship building and operating costs; rate practice and control; pools, agreements and conferences; ocean routes; shipping subsidies, etc. Fee, \$1.50. Five credits; spring and summer.
- 120. Business Report Writing.—Study of the methods of securing and arranging facts, use of references, preparation of outlines, effective presentation of material including use of charts or graphs, checking or proof reading. Special attention to accounting papers. Fee, \$1.50. Five credits; autumn, winter, spring.
- 2121. Corporation Finance.—Financial problems connected with the promotion of corporations, underwriting and sale of securities, management, expansion and reorganization of those that are unsuccessful. Prerequisites, B. A. 1, 11-12. Fee, \$1.50. Five credits; winter.

16

- 122. Railroad Finance and Administration.—Study of the organization and administration of the departments of the modern American railroad with comparative study of foreign systems. Survey of Federal administration. Prerequisite, B.A. 104. Fee \$1.50. Five credits; winter. Kibler.
- 123. Investments and Speculation.—Distinction between investment and speculation; selection of sound investments; how investments are made; character of the investment market; relation to the money market. Prerequisite, B.A. 121. Five credits; spring.
- 125. Banking Practice.—Practical survey of methods and machinery of bank operations. Internal organization of the bank; relation of the different functions; accounting methods; finding costs for the bank; problems of bank administration. Prerequisites, B.A. 11-12, 57. Fee, \$1.50. Five credits; winter.

 Preston.
- 126. Commercial Credits.—Essential considerations in the extension of credit; the credit department; sources of information; credit analysis; credit insurance; practical problems. Prerequisite, B.A. 57. Fee, \$1.50. Five credits; winter.
- 127. Foreign Exchange and International Banking.—Theory of international exchange; rates of exchange; financing imports and exports; specie movements; foreign money market factors; foreign banking by American institutions; financing foreign trade; the present status of the foreign exchange situation. Prerequisite, B.A. 57. Fee, \$1.50. Five credits; autumn. Preston
- 137. Economics of Advertising.—Fundamental economic principles applied to the proper relations of advertising to product, sales plans and media. Fee, \$1.50. Five credits; winter.

 Russell.

 138. Sales Management.—Selling methods and the organization of the
 - 138. Sales Management.—Selling methods and the organization of the sales force. The personal side of the technique of marketing and merchandising. Required investigation in the different fields. Prerequisite B. A. 106. Fee \$1.50. Five credits; autumn. Russell.
 - 141. Fire Insurance.—Theory and practice of fire insurance; study of clauses in standard fire policies; apportionment of losses; rate making; fire prevention. Prerequisite, B.A. 58. Fee, \$1.50. Five credits; autumn.

Smith.

- 142. Life Insurance.—Functions of life insurance; premiums; reserves; kind of companies and policies; dividends; lapses. Disability, group and industrial insurance. State regulations of life insurance business, Prerequisites, B.A. 58. Fee, \$1.50. Five credits; spring.
- 149. Marine Insurance.—History, principles and practice of marine insurance as applied to ships, freight and cargo. Prerequisites, B.A. 58. Fee, \$1.50. Five credits; winter.
- 151. Rail and Marine Rates.—A study of the principles governing the making of rates and the interpretation of federal and state statutes affecting rail and water rates; influence of competitive forces; traffic geography; classifications; rate adjustments; survey of decisions of commissions and courts, interstate and local rate problems. Prerequisite, B.A. 104. Fee, \$1.50. Five credits; spring.
- 152. Shipping and Consular Regulations.—Study of navigation laws relating to prevention of collisions at sea, inspection of vessels; employment of seamen; carrying of cargo and passengers; towage and pilotage; wharfage

and moorage; liability of vessels and owner; duties of consular officials; administration of the navigation laws. Fee, \$1.50. Three credits; spring and summer.

- 154. Corporation Accounting.—Different corporation securities; corporation records, accounts; stock and dividend transactions; funds and reserves; redemption of bonds; preparation of corporate reports; methods of consolidation; reorganization, receivership and dissolution. Fee, \$3.50. Five credits; autumn.
- 155. Cost Accounting.—Production factors; cost finding methods for different business; material, labor records; distribution of indirect expense; preparation of operating statement; production, service departments; cost reports for administration officials. Fee, \$3.50. Five credits; winter.

 McConahey.
- 156. Auditing.—Auditing procedure; balance sheet audits; analysis of asset and liability values; profit and loss statement audits; analysis of income and expense; certifications and reports; classification of audits and investigations. Fee, \$3.50. Five credits; autumn.
- 157. Income Tax Accounting.—Government decisions affecting the practical determination of taxable income; persons, corporations, partnerships subject to the tax; exemption and exceptions; deductions and allowances; preparation and analysis of returns. Fee, \$3.50. Five credits; winter.

 McConahey...
- 158. Accounting Systems.—Organization and duties of accounting department in business concerns; suggested systems for various types of business. Fee, \$3.50. Five credits; spring.

 Davis.
- 159. Advanced Money and Banking.—Critical study of selected topics in monetary science and business finance; value of money; financial effects of the great war, the Federal Reserve system, agricultural credit, business cycles. Prerequisite, B. A. 57. Fee, \$1.50. Five credits; spring. Preston.
- 160. Advanced Economics.—For seniors and graduate students; thorough training in economic theory, application to concrete problems. Prerequisite, B.A. 1 and senior standing. Fee, \$1.50. Five credits; autumn, winter, spring.

 Moriarty.
- 161. American Labor Problems.—Course showing the relation between the development of the American Labor Movement and free lands, immigration, economic organization prices, industrial crises. Prerequisite, B. A. 1. Fee, \$1.50. Five credits; autumn.
- 162. European Labor Problems.—Comparative study of labor movements of modern Europe; economic and political backgrounds, in relation to types of labor organizations. Prerequisite, B.A. 1. Fee, \$1.50. Five credits; winter.
- 164. Labor Legislation.—Development of the law, its interpretation in the solution of the American and European labor problems. Prerequisite, B.A. 1. Fee, \$1.50. Two credits; spring.

 McMahon.
- 165. Economics of Consumption.—Historical development of human wants in relation to the economic laws of consumption; influence on the production and distribution of wealth. Attempts made to control consumption through private and governmental agencies. Prerequisite, B.A. 1. Fee, \$1.50. Three credits; spring.

*166. Women in Industry.

167. Industrial and Employment Management.—Study of the organization and administration of industrial enterprises; factors in plant location; types of factory building; equipment of the plant; departments; executive control; labor policies; wages; service and welfare features; scientific management; employee representation. Practice in representative business establishments. Should be preceded by B.A. 105 and B.A. 161 or equivalents. Fee, \$1.50. Five credits; winter and spring. 1. 1. 1 P. 1. 1.

168. History of Economic Thought.—Study of the chief contributors to economic theory from Adam Smith to Bohn-Bawerk as a basis for understanding present economic problems. Prerequisite, B.A. 1. Fee, \$1.50. Five Moriarty. credits; winter.

*169. The Economics of Distribution.

170. Real Estate and Casualty Insurance.—Study of real estate transactions, interests, liens, sales, transfers, mortgages, valuations, title, credit, fidelity, automobile, tornado and miscellaneous forms of property and liability insurance. Prerequisite, B.A. 1. Fee, \$1.50. Five credits; spring.

Smith.

171. Exporting and Importing.—The technique of exporting and importing; the administration and operation of exporting and importing departments; analysis of markets; preparation of documents and calculation of values of staples and of manufactured products and the financing of shipments. Prerequisites, B.A. 1 and 7. Fee, \$1.50. Five credits; autumn.

Lewis.

- 173. Commercial Policies.—Study of the commercial policies of the nations of the world in connection with the development of American foreign trade. Fee, \$1.50. Five credits; autumn.
- 174. International Commercial Relations.—Study of the rules and regulations of states applying to foreign commerce; with special attention devoted to conflicts of commercial interests; commercial treaties; effect of war upon commerce. Fee, \$1.50. Five credits; winter. Driscoll.
- 175. Business Statistics.—Collection, presentation and interpretation of statistical data relating to business operations, including consideration of business barometers, market analysis, sales and advertising. Prerequisite, Math. 13. Fee, \$1.50. Five credits; spring.
- 177. Trade of Far and Near East.—Intensive study of resources and trade of China, Japan, Siberia, the Philippines, French-Indo China, Siam, India, The Malay-Peninsula, the Dutch East Indies, Australasia, Persia, Mesopotamia, Syria, Arabia, Turkey and the Balkan States. Prerequisite, B.A. 7. Fee, \$1.50. Five credits; winter.
- 178. Trade of Europe.—An intensive study of the resources of Europe and Africa, and of the trade relations of these sections with the rest of the world, especially the United States. Prerequisite, B.A. 7. Fee, \$1.50. Five credits; winter.
- Trade of the Americas. Intensive study of the resources and trade of Mexico and the Central American and South American countries. Lewis. Prerequisite, B.A. 7. Fee, \$1.50. Five credits; spring.

^{*}Not offered in 1922-1928

- 185. C.P.A. Problems.—Selected problems covering various accounting principles. Work taken from American Institute and state C.P.A. examinations. Emphasis is placed on speed, accuracy and forms of presentation. Fee, \$3.50. Five credits; spring.

 McConahey.
- 187 ABC. Research in Secretarial Training.—Two-five credits; autumn, winter, spring. Hours to be arranged.

 Draper
- 191 ABC. Research in Accounting.—Two-five credits; autumn, winter, spring. Hours to be arranged. OK for ice. for Myones for Cox.
- 192 ABC. Research in Insurance.—Two-five credits; autumn, winter, spring. Hours to be arranged.

 Smith.
- 193 ABC. Research in Transportation.—Two-five credits; autumn, winter, spring. Hours to be arranged. Kibler.
- 195 ABC. Research in Foreign Trade.—Two-five credits; autumn, winter, spring. Hours to be arranged.

 Lewis.
- 196 ABC. Research in Business Administration and Industrial Management.—Two-five credits; autumn, winter, spring. Hours to be arranged.
- 197 ABC. Research in Business Finance.—Two-five credits; autumn, winter, spring. Hours to be arranged. Custis.
- 198 ABC. Research in Marketing and Advertising.—Two-five credits; autumn, winter, spring. Hours to be arranged. Moriarty.
- 199 ABC. Industrial Research.—Two-five credits; autumn, winter, spring. Hours to be arranged.

 Tarbill.

COURSES 200 AND OVER-PREREQUISITE, GRADUATE STANDING

- 201 ABC. Seminar in Economics and Business Administration.—Two-five credits; autumn, winter, spring.

 Miller and Custis.
- 203 ABC Auditing Technique.—Five credits; autumn, winter, spring. Daily 7:30 p.m. Robertson.
- 205 C. Economic Problems.—More intensive study of special economic problems than is possible in B.A. 160. Interaction of economics tendencies and their application to fundamental economic problems in business and political life. Prerequisite, B.A. 160 or 168. Fee, \$1.50. Five credits; spring.
- 207 ABC. Seminar in Labor.—Two-five credits; autumn, winter, spring. Hours to be arranged.

 McMahon.

Norn: For the teachers' Course (Commercial Teachers' Course) see department of education. Educ. 160.D.

EDUCATION

Education Hall

PROFESSORS BOLTON, AYER, RANDOLPH; ASSISTANT PROFESSORS WILLIAMS, TERRY, HINES; ASSOCIATE ROBERTS; TEACHING FELLOW, HUGHES

I. MINIMUM REQUIREMENTS FOR NORMAL DIPLOMA

101.—Introduction to the Study of Education.—A general course covering the field of education. Open to all sophomores who have earned 65 quarter

hours of credit and prerequisites to all other courses in education. Five credits; autumn, winter, spring, or summer.

110. Psychology of Teaching Methods.—An attempt to discover the psychological foundation of methods. The application of these to concrete illustrations of teaching. Especially applied to high school instruction. Prerequisite Educ. 101. Five credits; autumn, winter, spring, or summer.

Bolton, Williams.

119

- 119. Secondary Education: Problems of the High School Teacher.— Secondary school curricula and closely related problems. Prerequisite, Educ. 101. Recommended also 110. Three credits; autumn, winter, spring, or summer.
- 145. Practice Teaching.—One lecture each week, conferences with the instructor, assigned readings, and one period each day during the quarter devoted to observation and practice teaching under supervision in the Seattle city schools. As far as possible the details of the course are arranged to meet individual needs. Prerequisite, Educ. 101, 110, 119. Five credits; (For Phys. Educ. majors, two, three or five credits.) Autumn, winter or spring. Roberts.

Courses 101 and 110 are prerequisite to courses 160.C to 160.U.

of the "teachers' courses" required for the normal diploma.

160.C. Teachers' Course in Latin.—Methods and problems in the teaching of high school Latin. Prerequisite, Latin 50 or 60 or 70. Except by special arrangement this course must be taken in combination with Latin 107. Two credits; autumn

- 160.D. Commercial Teachers' Course.—Typical business courses are examined and made the basis for discussions in relation to the needs of local business conditions; a study of the content of high school commercial courses and of texts. Prerequisites, B.A. 11-12, 64-65, 81, 82, 84, and 85. Fee \$1.50. Five credits; spring. Draper.
- Teachers' Course in English.—Methods and problems in the teaching of English in the high school. Continued in the winter and spring quarter as English 188, 189. Two credits; autumn. Garrett
- 160.F. Teachers' Course in Geography.—The teaching of geography, physical geography, and commercial geography in the schools. Prerequisites, one term of geology, physiography and geography. Two credits; winter. Saunders.
- Teachers' Course in German.—Aims and methods in their application to the teaching of German; lesson plans; courses of study for high schools; textbooks and aids in teaching; coaching of underclassmen in elementary classes. Prerequisite, Ger. 110. Two credits; spring. Eckelman.
- 160.H. Methods of History Teaching.—With special reference to the work of the high school. Required of majors in history who expect to teach. Five credits; spring. McMahon.
- 1601.-1691. Teachers' Course in Home Economics.—Curricula, methods of teaching and equipment. Prerequisite, H.E. 5-6, 107, 112-113, 143, 144, 145; Arch 1-2; Physics. 89-90; Bact. 101. Three recitations. Three credits each quarter; autumn, winter. Raitt, Denny.
- Teaching of Mathematics.—A consideration of the problems peculiar to the teaching of high school mathematics. The nature and value of mathematics with their pedagogic bearings. A critical review of courses and methods of teaching. Examination of recent high school texts. Required of mathematics majors who are candidates for the normal diploma. Pre-Winger. requisite Math. 109. Two credits; spring.

- 160.N. Teachers' Course in School Music.—Prerequisite, Music 113, 114.
 Two credits; spring.
 Dickey.
- 160.O. Civics in Secondary Schools.—Attitude of approach, arrangement of material, methods of presentation; the development of an appreciation of the reality of our political system; and in handling political facts; the use of material, textbooks, current articles, legislative bills, sample ballots, observation of local government agencies, etc. Surveys the content of civics courses with reference to historical origins, government structure and functions and present day political life. Two credits; spring.

 Laube.
- 160.P. Methods of Teaching Art.—Courses of study methods and material. Two credits; autumn. Rhoades.
- 160.R. Teachers' Course in Physical Education.—The study of curricula, application of educational principles to the teaching of physical education, administration in public schools. Prerequisites, Phys. Educ. 101-102-103, 104-105-106, 111-112-113. Two credits; autumn quarter.
- 160.T. Teachers' Course in French.—Aims, and methods best suited to attain them. Prerequisites, French 41, 101, 102, 103, 158, and 159. Two credits; spring.
 - 160.U. Teachers' Course in Spanish.—Methods of teaching Spanish. Practice in the classroom. Prerequisites, Span. 101, 102; Span. 103 and 191 must be taken concurrently with 159. Two credits; spring.

 Ober.
 - 160Z. Teachers' Course in Zoology.—For students preparing to teach zoology in high schools. Lab. fee, \$1. Prerequisite, Zool. 1-2. Two credits; winter.

 Gunthorp.

II. ADVANCED UNDERGRADUATES AND GRADUATES

To be admitted to courses in this group (II) students must have earned at least 10 credits in education, including courses 101, 110.

150. Introduction to Educational Measurements.—A study of the development of the use of tests and scales in improving instruction in the public schools. Consideration of elementary statistical methods, intelligence tests and subject tests. Lab. fee, \$3. Three credits; autumn, winter or spring.

Hines

- 151. Educational Sociology. Social Foundations.—A brief perspective over the nature of the fundamental social structures and their relation to progress, followed by a special application of modern social knowledge to the problems promoting human welfare through educational activities. Three credits; autumn, winter, spring, or summer.

 Randolph.
- 152. Social Surveys of School Studies and Activities.—A critical study of the literature seeking to evaluate the existing materials and to suggest fruitful reconstruction in the light of social needs. Two credits; autumn, winter, spring, or summer.

 Randolph.
- 154. Junior High School.—History of the movement for reorganization; functions and features of this new organization. Prerequisite, Educ. 119. Two credits; autumn, winter.
- 156. High School Organization: The High School Principal. Supervision in high school including the school population, extra-curricular activities, publicity, cooperative curriculum making, etc. Prerequisite, Educ. 119. Two credits; autumn, winter, spring.

14V

E,

161. History of Education.—Social interpretation of the historic be-161 ginnings of education, the contributions of the Greeks and Romans, the development of Christianity, medievalism, and the beginning of modern edu-162 cation. Development of educational practices since the Renaissance. The growth of democracy in and through education. Five credits; autumn.

- 172. Psychology of Elementary School Subjects.—Survey of experimental studies which furnish the basis for current practice in learning and teaching reading, writing, arithmetic, spelling, drawing, language, etc. Three Williams. credits; winter.
- Psychology of High School Subjects.—Consideration of experi-173 mental studies which form the basis for learning and teaching the subjects in the high school curriculum; history, mathematics, English, foreign language, science, etc. Three credits; spring.
 - *176-177-178. Vocational Guidance.

172

- 181. Educational Problems of Adolescence.—A critical consideration of the physical, intellectual, emotional, moral and social characteristics of adolescents, and the educative activities suited to the period of secondary school education. Five credits; autumn.
- 191. Educational Administration: State and County.—The principles of proper administration of school systems in states and counties, including a comparison of school laws and school systems in several states with special attention to Washington and neighboring states. Three credits; autumn.

- 192-193. Educational Administration: City School.—For those preparing for superintendencies, principalships, and other supervisory positions. Three credits a quarter; winter and spring. Five credits in summer.
- 195. School Supervision.—A course focusing upon the recognized techniques of effective classroom work as the central factor of in-service education and the common concern of teacher and supervisor. In connection with the treatment of each type of activity the special opportunities of the supervisor will be pointed out. Five credits; winter, spring, or summer.

Randolph.

196-197-198. Individual Mental Testing.—A study of the concept of intelligence with its practical bearing upon school and social ability, Demonstration and practice is given in applying the Stanford Revision of the Binet-Simon tests. Other individual tests considered. Designed for advanced students, teachers and principals. Two credits a quarter; autumn, winter, and spring. Five credits in summer. Laboratory fee, \$2 a quarter. Williams.

... FOR GRADUATES ONLY

To be admitted to courses in this group (III) students must be college graduates, and must have earned at least 18 credits or the equivalent in education. The following courses may be counted toward the masters' and doctors' degrees.

211-212-213. Comparative Education.—The critical study of modern education in foreign countries, especially in Germany, France, England, Norway,

^{*}Not offered in 1922-1928

Sweden and Canada. Relations between social ideals of nations and their educational systems. Influence upon educational theories and practices in America. Two credits a quarter; autumn, winter, and spring.

Bolton.

- 215. Experimental Education.—Method and practice in experimental procedure and technique in conducting experiments in connection with school work. Three double periods a week. Lab. fee \$2. Three credits; autumn. Williams.
- 221. Educational Statistics.—Covering theoretical and practical aspects of statistical methods as applied to education. Practice will be given in the treatment of statistical data. Prerequisite to Educ. 222 and 223. Three credits; autumn. Lab. fee \$2.
- 222. Group Intelligence Tests.—Critical survey of the literature of intelligence tests with especial reference to principles of measuring intelligence. Practice in giving the best and latest tests. Prerequisite Educ. 221. Lab. fee \$2. Three credits; winter.
- 223. Educational Measurements in Supervision.—An advanced course in subject tests. Practice in giving tests, scoring, and interpreting results. Covers both elementary and high school fields. Prerequisite, Educ. 221. Lab. fee \$3. Three credits; spring.
- 231-232-233. Advanced Educational Psychology.—A survey of the contributions to educational psychology with special emphasis upon learning, its progress, conditions and effects. Two credits; autumn, winter, and spring. Williams.
- 241-242-243. Current Literature of Education.—Readings and discussions. Periodical lectures by members of staff. Course designed for well prepared students who desire to make a thoroughgoing investigation of present day problems in American education. Two credits a quarter; autumn, winter, and spring.
- 261-262-263. Seminar in Educational Sociology.—A survey of recent contributions to educational sociology and study of special problems. Two credits a quarter; autumn, winter, and spring.

 Randolph.
- 271-272-273. Seminar in Educational Surveys.—Development, functions, methods, and results of educational surveys as discovered by a critical examination of city, rural, vocational, and state educational surveys and literature of a related character. Practical survey work. Two credits a quarter; autumn, winter, spring.

 Ayer.
- the problems of high school administration and supervision. Two credits a quarter; autumn, winter, and spring.

 285-286-287. Seminar in Educational Measurements.—Arranged especi-
- 285-286-287. Seminar in Educational Measurements.—Arranged especially for teachers of Seattle and vicinity. Statistical methods, group intelligence tests, and subject tests. Laboratory fee \$3. Two credits a quarter; autumn, winter, spring.
- 298-299-300. Individual Research or Thesis Work.—Intensive study and original investigation of special problems. Results are usually reported in one of the seminars and when especially meritorious may be published. The special problems are directed by the members of the department representing the fields of work chosen by the students. Credits to be arranged. Staff.

185

171

new

13/2

261-2-5

271-2.3

3/13/-6-

new

2982

ELECTRICAL ENGINEERING

Engineering Hall

PROFESSOR MAGNUSSON; ASSOCIATE PROFESSORS LOEW, KIRSTEN; ASSISTANT PROFESSOR CURTIS; INSTRUCTORS, SHUCK, KALIN, HOARD, TOLMIE, SMITH

- 101. Direct Currents.—Short course in continuous current machinery for non-electrical students, to be taken in connection with E.E. 102. Prerequisite, Phys. 98. Four credits; autumn, winter, spring. Kalin, Hoard.
- 102. Direct Currents Laboratory.—Short laboratory course in continuous current machinery for non-electrical students. Prerequisite, Phys. 98. Lab. deposit, \$4. Two credits; autumn, winter, spring. Shuck, Hoard, Kalin.
- 109. Direct Currents.—Theory of the electric and magnetic circuits; construction, operation and characteristics of direct current generators and motors. Prerequisite, Phys. 98. Four credits; autumn, winter, spring.

 Hoard. Tolmie.
- 110. Direct Currents Laboratory.—Laboratory work on direct current machinery. Prerequisite, Phys. 98. Lab. deposit, \$4. Two credits; autumn, winter, Spring.

 Shuck, Kalin.
- 111. Direct Currents.—Continuation of E.E. 109 in direct current machinery. Storage batteries. Regulation and control of direct current systems. To be taken in connection with E.E. 102. Prerequisite, E.E. 109. Four credits; autumn, winter, spring. Curtis, Shuck, Tolmie.
- 112. Direct Currents Laboratory.—Experimental work on direct current dynamo machinery and on storage batteries. Prerequisite, E.E. 110. Lab. deposit, \$4. Four credits; autumn, winter, spring. Curtis, Shuck.
- 15. Elementary Direct Currents.—(Extension Night Class). Laws of the electric and magnetic circuits with application to direct current machinery without the aid of advanced mathematics. For electricians having at least two years of practical experience with electrical machinery. Shuck.
- 20. Elementary Alternating Currents.—(Extension Night Class). An introduction to alternating current theory with experimental work on alternating current machinery. Prerequisite, E.E. 15. Shuck.
- 121. Alternating Currents.—Short course in alternating currents for non-electrical students. To be taken in connection with course 122. Prerequisite, E.E. 101. Four credits; autumn, winter, spring. Curtis, Hoard.
- 122. Alternating Currents Laboratory.—Experimental work on alternating current machinery. Prerequisite, E.E. 102. Laboratory deposit, \$4. Two credits; autumn, winter, spring. Curtis, Shuck.
- 131. Electric Communication.—Wire and radio telephone and telegraph. Theory, construction and operation of electric communication systems. Central telephone station practice. Junior or senior elective. Prerequisite, E.E. 109, 110. Four credits; autumn, spring.
- **132. Telephones and Telegraphs.—Details of automatic and manual switchboards; testing and locating faults; multiplex telegraphy; railway signal systems. Junior or senior elective. Prerequisite, E.E. 131. Lab. deposit, \$2. Three credits.
- 141. Illumination.—Electric lamps; commercial photometry; adaptation of electric lighting to commercial requirements. Junior or senior elective. Prerequisite, E.E. 109, 110. Lab. deposit, \$2. Four credits; winter. Hoard.

^{**}Will be offered if a sufficient number of students elect the course.

- 152. Electrical Machine Design.—Complete design of one direct current generator or motor. Prerequisite, E.E. 111, 112. Five credits; autumn, winter, spring.

 Loew.
- 161. Alternating Currents.—Theory of singlephase and polyphase system; energy storage in magnetic and dielectric fields; vector diagrams and the symbolic methods of analysis; power factor and power measurements; hysteresis and eddy currents; theory of the transformer, singlephase and polyphase induction motors. Prerequisite, E.E. 111. Six credits; autumn, winter, spring.

 Magnusson, Loew.
- 162. Alternating Currents Laboratory.—Experimental work with alternating current machinery. Prerequisite, E.E. 112. To be taken in connection with E.E. 161. Lab. deposit, \$4. Four credits; autumn, winter, spring.

 Curtis, Shuck.
- 163. Alternating Currents.—Theory of alternators, rotary converters, synchronous and commutator motors and transmission lines; high tension phenomena; corona; commercial wave forms; unbalanced and inter-linked systems. Prerequisite, E.E. 161. Six credits; autumn, winter, spring.

 Magnusson, Loew.
- 164. Alternating Current Laboratory.—Prerequisite, E.E. 162. Lab. deposit, \$4. Four credits; autumn, winter, spring. Curtis, Hoard.
- 171. Electric Railways.—Equipment, roadbed, construction and operation. Prerequisite, E.E. 109, 110. Four credits; winter. Curtis.
- 173. Central Stations.—Location, design and operation of electric central stations. Prerequisite, E.E. 163, 164. Three credits; autumn, spring.

 Kirsten.
- 175. Power Transmission.—Theory, design and operation of electric power transmission lines. Prerequisite, E.E. 163, 164. Four credits; autumn, spring.

 Loew.
- 181, 182. Radio.—Radio systems; lineal, open and complex oscillations; coupled circuits; resonance; transmitters; receivers; vacuum tubes in radio work; quenched and undamped oscillations. Prerequisites, E.E. 161, 162. Lab. deposit, \$2. Five credits a quarter; winter, spring.
- 186, 188. Thesis.—After consultation with the head of the department the student selects a suitable topic for investigation. Reports of progress are made weekly to the instructor in charge of the work selected. A complete report of the work is typewritten and bound and a copy deposited in the University library. Two to five credits a quarter; autumn, winter spring.

 Magnusson, Loew, Kirsten, Curtis.
- 191. Engineering Equations.—A mathematical investigation of electrical phenomena with quantitative solutions of typical engineering problems. Prerequisite, E.E. 161, 162. Three credits; spring.

 Hoard.
- 195. Electric Transients.—The exponential law of simple transients; single and double energy transients; current oscillations and traveling waves; natural period of transmission lines; short circuit transients; surges; corona; lightning phenomena. Prerequisite, E.E. 161, 162. Two credits; autumn, winter, spring.

 Magnusson.
- 196. Electric Transients Laboratory.—To be taken in connection with E.E. 195. Prerequisite, E.E. 162. Lab. deposit, \$2. Two credits; autumn, winter, spring.

- 198. Electric Transients Laboratory.—Continuation of E.E. 196. Lab. deposit, \$2. Two credits; autumn, winter, spring. Kalin.
- 210, 212, 214. Research.—Two to five credits per quarter; autumn, winter, spring. Magnusson, Loew, Kirsten, Curtis.

ENGLISH

Denny Hall

PROFESSORS PADELFORD, PARRINGTON, BENHAM; ASSOCIATE PROFESSORS MILLIMAN, COX, GARRITT; ASSISTANT PROFESSORS, HARRISON, MENST; INSTRUCTOR, HENSHAW; ASSOCIATES, HAGGETT, P. JONES, BEOWNING, MES. EINBT, VICKNER, KERIGAN, SICKELS; ASSISTANTS, MCCAUSLAND, Z. JONES, MARCHAND, MOHE; TEACHING FELLOWS, LEWIS, GUNDLACH, ARNESEN, FAIRBANKS, BRELAND; DEBATE COACH, BERLAND.

REQUIREMENTS FOR MAJOR STUDENTS

The plan of work for major students consists normally of, (1) a minimum of 27 hours work in lecture and recitation courses, and (2) a course of individual reading in English and American literature under departmental tutors, extending throughout the senior year.

At the conclusion of the senior year all major students are required to take an examination in the history of English literature and the plan of work should be designed to that end.

Candidates for the teacher's diploma are required to take Educ. 160. E and Eng. 188 and 189.

- 1-2-3. Elementary Composition.—A course in the principles and practice of composition, with conferences for personal criticism. The work done in this course is regarded as belonging rather to the high school than to the University. Those whose preliminary training has been superior are excused from the course on examination. A grade of "A" in course 1 excuses a student from course 2. Five credits for two quarters. For students in Fine Arts, three credits; autumn, winter, spring. Students intending to major in English are expected to enroll in sect. W, which combines practice in writing with the study of modern authors. Five credits; autumn, winter, spring.

 Padelford in charge
- 4. Elementary Composition.—For students in engineering, forestry, fisheries, and pharmacy. Students are required to repeat the course if their work is not of high quality. Three credits for one quarter.

 Padelford in charge
- 5. Elementary Composition.—A second quarter's work for students in fisheries and forestry. Three credits a quarter. Padelford in charge
 - *21. An Introduction to Poetry.
- 24, 25, 26. Nineteenth Century Essayists.—A study of the main movements of thought and the conflict of ideas in the last century as represented in the prose writings of Hazlitt, Coleridge, Lamb, DeQuincey, Hunt, Macaulay, Spencer, Mill, Newman, Carlyle, Ruskin, Arnold, Huxley, Morris, Pater, and Stevenson. Five credits a quarter; autumn, winter, spring.

 Henshaw
 - 37. Argumentation.—Five credits; autumn.
 - 38. Debating.—Prerequisite, Eng. 37. Five credits; winter. Bree

- 39. Debating.—Prerequisite, Eng. 38. Five credits; spring.
- \$40-41. Development of the Oration. Breland 500
- 51, 52, 53. Advanced Composition.—Composition based upon model English and American essays. May be taken for upper division credit. Prerequisite, English 1-2. Two sections. Three credits a quarter; autumn, winter, spring.
- 54, 55, 56. Advanced Composition.—A practical course in criticism and style designed to give a critical and philosophical basis to one's judgments on men, affairs, literature and art. May be taken for upper division credit. Prerequisite, Eng. 1-2. Three credits a quarter; autumn, winter, spring.

 Cox

*61-62-63. Versification.

- 64, 65. Literary Backgrounds.—A study of important works in English literature. Open to all. Required in the freshman year of pre-journalism majors. Five credits a quarter; autumn, winter. Garrett
- 67, 68, 69. Great American Writers.—Studies in the works of Emerson, Hawthorne, Longfellow, Lowell, Whitman, Poe, Bryant, Whittier, Mark Twain, and others. Two credits a quarter; autumn, winter, spring. Milliman
- 70, 71. Shakespeare.—A detailed study of a few plays, with rapid reading of the remainder. Three credits a quarter; autumn, winter.
- 73, 74, 75. Lower Division Contemporary Literature.—Essay studies of European and American thought during the nineteenth century and later; followed by readings in poetry, novel and drama involving similar ideas. Three or five credits; autumn, winter, spring.

 Milliman, Harrison, Ernst,
- 81, 82, 83. Literature of the English Colonies.—Autumn quarter devoted to the study of the literature of Canada; winter quarter to the literature of Australasia and of South Africa; spring quarter to the English literature of India. Two credits a quarter; autumn, winter, spring.
- 98. The Bible as Literature.—A study of the literature of the Old Testament. Open to all students. Three credits a quarter; spring. Padelford
- 101. Intercollegiate Debating.—Students who represent the University in one or more intercollegiate debates are allowed two credits therefor, and the credit is entered as Eng. 101 for the quarter in which the debating takes place.
- 102. Advanced Composition for Engineers.—An elective course open to those engineering students who have done superior work in Eng. 4. Three credits for one quarter; winter, spring.

 Mrs. Ernst
- 104-105-106. Contemporary Literature.—Special studies in contemporary literature for advanced students. Three credits a quarter; autumn, winter, spring.

 Cox, Harrison, Ernst
- 124. Chaucer.—A study of the poetical works of Chaucer. Three credits; autumn. Garrett
- and their influence upon modern literature.—The life and the ideals of the Middle Ages and their influence upon modern literature. Texts read will include Piers Plowman, Aucassin and Nicolette, The Pearl, Malory's Morte D'Arthur. Three credits; winter.

- 126. Mediaeval Literature (continued).—Texts read will include the mediaeval lyric and drama, Froissart, Dante, the Story of Burnt Njal, the Nibelungenlied. Three credits; spring.

 Garrett
 - *127, 128, 129. Milton and His Contemporaries.
- 130, 131, 132. The English Drama.—A study of plays representative of the origin and development of English drama. Three credits a quarter; autumn, winter, spring.

 Benham
- 133, 134, 135. Main Tendencies in English Literature, I.—A study in English national ideals, from the beginning to 1642, with consideration of significant literary figures and works. Open to sophomores who are expecting to major in English. Three credits a quarter; autumn, winter, spring.
- 136, 137, 138. Main Tendencies in English Literature, II.—A study in English national ideals from 1642 to the present. Open to sophomores who are expecting to major in English. Three credits a quarter; autumn, winter, spring.

 Parrington
- 141, 142. Social Ideals in Literature.—A study of model commonwealths, and of such other literature as illustrates the development of social and economic thought. Three credits a quarter; winter, spring. Benham.
 - *144, 145, 146. Romantic Revolt.
- 147, 148, 149. The English Novel.—A study of the movements in English prose fiction, with an analysis of some of the principal works. Two credits a quarter; autumn, winter, spring.
- 161-162-163. American Literature from the Beginnings to the Year 1870.—The autumn quarter deals with the period before 1800; the winter quarter, with Irving, Brown, Cooper, Bryant, Poe, and the slavery controversy; the spring quarter, with the New England group. Three credits a quarter; autumn, winter, spring.
- 164, 165, 166. American Literature since 1870.—The autumn quarter deals with the beginnings of realism; the winter quarter, with tendencies from 1900 to 1915; the spring quarter, with contemporary fiction and poetry. Three credits a quarter; autumn, winter, spring.

 Parrington
 - *167, 168, 169. Present Day Tendencies in American Literature.
- 174, 175, 176. Nineteenth Century English Poetry.—Wordsworth, Shelley, Keats, Tennyson, Browning; Swinburne, Morris, Arnold, Rossetti Three credits a quarter; autumn, winter, spring. Padelford
 - 183, 184, 185. General Literature.—A study of classical culture, with special reference to its influence on English literature. Three credits a quarter; autumn, winter, spring.

 Henshaw
 - *187. Philosophy in Contemporary Drama.
 - 188, 189. Advanced Teachers' Course.—Methods and problems in the teaching of English in the high school. A continuation of Educ. 160E. Two credits a quarter; winter, spring.

 Garrett
 - 191, 192, 193. Major Conférence.—For senior students. Individual conferences for the purpose of effecting a correlation of studies and for guid-

ance in individual reading. Each student is expected to meet his instructor once a week in conference. Three credits a quarter; autumn, winter, spring. Harrison, Cox, Ernst

*194, 195, 196.—Studies in Romance.

GRADUATE COURSES

201. Introduction to Graduate Study.—Studies in the methodology and bibliography of the English language and literature. Three credits; autumn.

Benham

\$204, 205, 206. Chaucer. CK for M. A. Davis

garre H

*207, 208, 209. English Literature from Chaucer to Dryden.

211, 212, 213. English Literature of the Tudor Period.—For the coming year the class will study the poetry of Edmund Spenser as a fusion of classical, mediaeval and Renaissance impulses and traditions. This course may be taken to advantage by students who have already studied Spenser during a summer session. Two to eight credits a quarter; autumn, winter, spring.

Padelford

221, 222, 223. Modern English Literature.—Studies in modern English and American literature from the mid-nineteenth century period to the present day. Two to eight credits a quarter; autumn, winter spring. Parrington

*224, 225, 226. American Literature.

Parrington

*227, 228, 229. Literary Criticism.

Cox

230, 231, 232. Early English.—The grammar of the early English. Readings in Old and Middle English authors. Three credits a quarter; autumn, winter, spring.

Benham

COURSES IN FOREIGN LITERATURE TAUGHT IN ENGLISH

(For details see foreign language departments)

German, 70-71; Greek 13-14; Italian, 181-182, 184; Oriental Languages, 50-51-52; Scandinavian, 180-181-182.

NOTE: For courses in Comparative Philology, see department of Scandinavian Languages and Literature.
For the teachers' course in English, see department of Education, Educ. 160-B.

FISHERIES

Fisheries Hall

PROFESSORS COBD, KINCAID; INSTRUCTORS, CRAWFORD, ANDERSON.

- 1, 2. Introduction to Fisheries.—A general review and history of the world's fisheries. Two credits a quarter; autumn, winter.
- 3, 4, 5. Ichthyology.—Structure, classification and habits of economic fishes. Course 5 will also include other economic marine animals, particularly oysters and clams. Prerequisite, Zool. 1, 2. Laboratory deposit, \$3. Five credits a quarter; autumn, winter, spring.

 Kincaid, Crawford.
- 6. Pacific Fisheries.—General review and history of the fisheries of the Pacific. Winter quarter is open to short course students. Two credits; winter, spring.

^{*}Not offered in 1922-1923

Courses 7,8,9,10,12,13.—(See short course subjects on page 14, College of Fisheries bulletin.)

- 101-102-103. Fish Culture.—Developmental history and artificial propagation of economic fishes, lobsters, etc. Prerequisite, Fish. 3, and Zool. 5. Laboratory deposit, \$3. Five credits a quarter; autumn, winter, spring. Crawford.
- 104-105. Fishery Methods.—Construction and uses of apparatus; handling and transportation of products, etc. Three lectures and two laboratory periods. Laboratory deposit, \$3. Five credits a quarter; winter, spring.
- 106-107. Preparation of Fishery Products.—Curing and preservation of fishery products. Prerequisite, Fish. 3 and 5. Three lectures and two laboratory periods. Laboratory deposit, \$4. Five credits a quarter; autumn, spring.
- 112. Oyster and Clam Culture.—Development and propagation of oysters and clams. Prerequisite, Fish. 5. Laboratory fee, \$3. Five credits a quarter; autumn. Kincaid
- 115. The Economic Fishery Resources of North America.—A study of the fishery resources of the North American continent and adjacent seas, their development and commerce, and government policies of conservation. Three credits; spring.
- 117. Diseases of Fish.—Nature and causes of disease in fishes. Prerequisite, Fish. 3-4-5. Lab. fee, \$3. Five credits; autumn.
- 150, 151, 152. Problems in Fish or Shellfish Culture.—Students with the proper preparation, which should include at least 15 hours' work in fish culture or 15 hours' work in shellfish culture and Fish. 5, will be assigned special topics to be worked upon under the direction of one of the instructors. Five credits a quarter; autumn, winter, spring.

 Kincaid.
- 155, 156, 157. Problems in Fisheries.—Students with the proper preparation, which should include at least 15 hours' work in fishery methods and preparation of fishery products, will be assigned special topics to be worked upon under the direction of the instructor. Five credits a quarter; autumn, winter, spring.

FORESTRY AND LUMBERING

Forest Products Laboratory

Professor Winkenwerder, Kirkland; Associate Professor Clark; Assistant Professor Grondal; Mr. Zimmerman.

- 1. Elementary Dendrology.—Nomenclature, classification and indentification of trees. A detailed study of all northwest species and of one type species of each genus of the important timber trees of North America. Prerequisite, high school botany. Required of freshmen. Two recitations, one quiz and two 3-hour laboratory periods a week, field trips additional. Laboratory deposit \$2.50. Five credits; autumn or spring.

 Winkenwerder and assistant.
- 2. General Forestry.—A general survey to familiarize the student with the field of work he is about to enter. Required of freshmen. Three credits a quarter; autumn. Winkenwerder
- 3. General Forestry.—A continuation of For. 2 but need not be preceded by it. Three credits; winter. Winkenwerder

- 4. Forest Protection.—Its economic importance; forest fires, their prevention and control. Required of freshmen. Three credits; spring.

 Winkenwerder.
- 5. Woodcraft.—Food and clothing, camp equipment and sanitation, packing a horse, and general woodcraft. A section will be arranged for students not enrolled in forestry if not less than 12 apply. Two lectures per week; demonstrations and practice work additional. Laboratory deposit, \$2.50. Two credits; autumn.
- 6. General Forestry.—A general introductory course for students not majoring in forestry. This course is prerequisite to all other courses in forestry for non-majors in forestry primarily offered for students in the College of Business Administration who desire to prepare themselves for work in lumber marketing, others admitted until the section is full. Five credits; winter.

 Winkenwerder.
- 51. Forest Mensuration.—Principles and methods of computing, scaling, cruising, mapping; the construction of volume tables, taper tables, form factors, etc. Open to short course students. Three recitations, two 3-hour laboratory periods. Laboratory deposit \$2.50. Five credits; winter.

Winkenwerder, Clark.

- 52. Forest Mensuration.—Methods of studying growth in diameter, height and volume; sample plot methods; construction and use of growth and yield tables. Three recitations and two-3-hour laboratory periods. Laboratory deposit, \$2.50. Five credits; spring. Winkenwerder, Grondal.
- 53. Construction.—Trails, roads, logging railroads, telephone lines, wooden bridges, cabins, barns, and fences; clearing from the standpoint of United States Forest Service improvement work, and logging construction. Required of sophomores. Laboratory deposit, \$2.50. Three credits; autumn. Clark and assistants.
- 57a. Silvics.—Climate, soil and life factors which determine character of forest vegetation. Form and character of the individual tree. Life history of the forest. Silvical characteristics of the tree species. Lectures and quiz. Required of sophomores. Prerequisite, 10 hours botany, For. 1 and 52. Three credits; autumn.
- 57b. Field Methods in Silviculture.—To accompany 57 a. One 3-hour laboratory period. Elective. Laboratory deposit, \$2.50. One credit.

 Kirkland.
- 58. Silviculture.—Regeneration of forests by natural reproduction, seeding or planting. Care of young, middle-aged and older stands. Required of sophomores. Prerequisite For. 57a. Laboratory deposit, \$2.50. Five credits; spring.

 Kirkland.
- 101. Wood Technology.—Wood structure, leading to identification of the commercial timbers of the United States; physical properties of woods, kiln drying. Each student is required to prepare permanent microscopic mounts of fifty species. Required of juniors. Prerequisite to all courses in forest products; prerequisites, college botany, For. 1, 10 hours chemistry and general physics. Laboratory deposit, \$2.50. Five credits, autumn.

Grondal.

102. Wood Identification.—This course includes the laboratory work only of For. 101. Open to students in other departments. Prerequisite, college botany, 8 hours. Laboratory deposit, \$2.50. Two credits; autumn.

Grondal.

28

- 103. Wood Analysis.—Identification, physical properties and characteristics of woods used in building construction. Open only to students in architecture. Two credits; spring.

 Grondal.
- 104. Timber Testing.—Stresses, tests, theory of flexure, moisture and strength; mechanical properties of wood. Required of juniors. Prerequisite, Math. 54, 55, 56 and For. 101, general physics. Laboratory deposit, \$2.50. Five credits; spring.
- 105. Wood Preservation.—Nature of decay of timber and methods and economics of preservation. Laboratory work with the college treating plant and reports on local creosoting plants. Required of juniors and graduates. Prerequisites, For. 101 and one year of chemistry. Laboratory deposit \$3. Five credits; spring.
- 110. Characteristics of Trees.—Identification, distribution, life habits, and uses of trees of the Pacific Northwest. Offered only to students not enrolled in the College of Forestry. Two lectures weekly and occasional field trips. Two credits; spring.

 Winkenwerder.
- 112. Properties and Uses of Woods.—Offered only as a correspondence course. Grondal.
- 119. Forest Administration.—Objects, principles and methods of administering private and public forests and forest industries. Prerequisite, For. 126 or may be taken concurrently. Three credits; winter. Kirkland.
- their relation to other industries and resources. Statistics of production and consumption. Required of juniors or seniors in forestry and open to students in other departments. Prerequisite, B.A. 1. Three credits; winter.
- 151. Forest Finance and Valuation.—Mathematics of forest finance; compound interest calculations applied to forest operations; application of financial tests to silvicultural and other forest measures; cost of growing timber; valuation of land for forest production; valuation of mature or immature timber and of damage to forests. Required of statents in senior or graduate year. Prerequisites, For. 52 and 58. Five credits; autumn.

 Kirkland.
- 152. Forest Organization.—Principles of forest organization and regulation of the cut; advantages of foresight and planning in forest operations for a term of years in advance; sustained yield management of forests; forest working plans. Required of students in senior or graduate year. Prerequisite, For. 151. Five credits; winter.
- 153. General Lumbering.—Prerequisite to all courses in logging and milling. Comparative methods of lumbering on the Pacific Coast and in other lumbering regions of the United States. Required of juniors. Five credits; autumn.
- 157. Lumber and its Uses.—Wood structure, leading to identification of local species; the physical and mechanical properties of wood; kiln drying and other milling practices; economic uses of lumber in construction, wood preservation. Primarily for students in the College of Business Administration (not open to students majoring in forestry). Prerequisite, For. 6. Four class periods and one 3-hour laboratory period. Five credits; winter.

Grondal.

- 158. Forest Utilization.—Pulp and paper manufacture, tannic acid, naval stores and other secondary forest products; lumber and its economic uses in construction. Required of juniors and graduates. Prerequisite, For. 101, and one year in chemistry. Five credits; winter. Grondal.
- 159. Scientific Management.—Fundamental principles of scientific management, with special reference to the lumber industry. Given in alternate years, not in 1923-1924. Two credits; autumn. Kirkland.
- 183. Milling.—The sawmill; yard arrangements; practical operation, practical problems at local saw-mills. For seniors and graduates. Prerequisites, M.E. 82, For. 153, 158, 104. Five credits; autumn. Grondal.
- 184. Manufacturing Problems.—Technical trade requirements, routine of sawmill practice; relation of waste to marketing, lumber grades and their uses. Prerequisite, For. 183. Three credits; winter. Grondal.
- 185-186-187. Logging Engineering.—Logging machinery and equipment, organization of logging companies, construction of railroads, camps, etc. Lectures, demonstrations at plants manufacturing logging machinery, and field work in nearby logging camps. During the third quarter all the work is transferred to the field, where extensive work in logging engineering is carried on. No credit is given for 186 unless followed by 187. Primarily for seniors and graduates. Prerequisites, For. 52, 53, 58, 104, 153, M.E. 82, C.E. 22. Laboratory deposit for 187, \$3. Four credits a quarter, autumn and winter; sixteen credits; spring.
- 188, 189. Advanced Forest Products.—Advanced studies in wood technology and utilization, with individual problems. A laboratory course. Prerequisite, For. 101, 158. Laboratory deposit \$3. Five credits. Any quarter. Grondal.
- 201. Forest Geography.—Advanced dendrology. Silvicultural regions, their relation to regional industrial development and the general problems of lumbering and management. Prerequisite, senior or graduate standing in the College of Forestry. Three credits; autumn. Winkenwerder. 202 1925 5 3 208, 209 Seminar.—Reviews, assigned readings, reports, and discussions
- 208, 209 Seminar.—Reviews, assigned readings, reports, and discussions on current periodical literature and the more recent Forest Service publications. Prerequisite, senior or graduate standing in the College of Forestry. Two credits a quarter; autumn, winter.

Winkenwerder, Kirkland, Grondal.

213, 214, 215. Senior or Graduate Research.—Credits to be arranged any quarter. Instructors assigned according to nature of work. Not open to students below senior standing. Laboratory deposit, \$3.

221. Forest History and Policy.—Forest policy of the United States; forestry in the states and island possessions; the rise of forestry abroad. Prerequisite, senior or graduate standing. Three credits; autumn.

Kirkland.

223. Advanced Forest Management.—About one week of field work on a tract of 50,000 to 100,000 acres on which data concerning different soil classes, forest types, etc., and the volume of timber is already available. This work will be followed by the actual formation of a working plan providing for regulation of the yield and organization of all forest work on the area, with estimates of outlay and income. Prerequisite, For. 151-152. Eight credits; spring.

Kirkland.

224. Advanced Milling and Marketing.—Sawmill design and a detailed study of special problems in sawmill operation and management. Prerequisites, senior or graduate standing, For. 183, 184. Five credits, spring.

Grondal.

(For short course subjects see College of Forestry bulletin, pages 18, 19.)

GEOLOGY

Boience Hall

PROFESSOR LANDES; ASSISTANT PROFESSORS SAUNDERS, GOODSPEED; INSTRUCTOR HANNA.

Courses in the department are grouped to lead into different fields of geological work, as follows:

General Geology: Courses 1-9, 100-109, 200-209.

Geography, Climatology, and Physiography: Courses 10-19, 110-119, 210-219.

Mineralogy, Petrography and Economic Geology: Courses 20-29, 120-129, 220-239.

Paleontology and Stratigraphy: Courses 30-39, 130-139, 230-239.

- 1. General Geology.—Physical. Geological agencies and processes affecting the earth. Lectures and laboratory work, with occasional half-day field trips. Lab. fee, \$2.50. Five credits; autumn or winter. Goodspeed
- 2. General Geology.—Historical. Continuation of course 1, dealing with the origin and evolution of the earth. Lectures and laboratory work, with some field excursions. Prerequisite, Geol. 1, 5, or 12. Lab. fee, \$2.50. Five credits; autumn, winter, spring.
- 4. Principles of Geology.—Historical. The earth's origin and the general history of the continent. For College of Mines students only. Lectures, recitations and field trips, without laboratory work. Three credits; spring.

 Hanna
- 5. Engineering Geology.—A survey of the field of general geology, for the special needs of students in civil and chemical engineering and forestry. Lab. fee, \$2.50. Five credits; spring. Goodspeed
- 10. Modern Geography.—Introductory study of the problems of modern geography; the scientific investigation of geographic environment and its influence; use of maps and charts; geographic control of production and trade; study of the major geographic features of the continents. Five credits; autumn.

 Saunders
- 11. Meteorology and Elementary Climatology.—Weather elements and controls; causes and effects of atmospheric conditions; principles and methods of weather forecasting and use of instruments. With or without laboratory work. Lab. fee, \$1. Three or five credits; winter.

 Saunders
- 12. Physiography.—Land forms or earth's features with reference to origin and characteristic changes under different agencies during the geographic cycles. Occasional field trips. With or without laboratory work. Lab. fee, \$1. Three or five credits; spring.
- 21. Mineralogy.—A brief study of crystallography followed by descriptive mineralogy and blowpipe methods. At least a high school course in chemistry is essential as a prerequisite, and a quarter in general geology is desirable. Lab. fee, \$3. Five credits; winter.

 Goodspeed

- 31. General Paleontology.—A consideration of the broad principles of paleontology. An elementary course open to all students. Prerequisite, Geol. 1 or 5. Lab. fee, \$2.50. Five credits; autumn.
- 107. Geology of Washington.—Lectures with assigned readings and laboratory study. Prerequisite, one quarter of general geology or physiography. Two credits; spring.

 Landes
- 111. Climatology.—The broader aspects of climate controls and characteristics of different climates and climatic provinces, with special references to United States and the Pacific Coast. Presequisite, Geol. 10 or 11. Three credits; spring.
- 112. Physiography of the United States.—The physiographic regions of the United States and their effects on development and history of the country. Lectures and map study. Prerequisite, Geol. 10 or 12, or 1, 3, or 5. Lab. fee, \$1. Three credits; autumn.
- 113. Physiography of Europe.—The physiographic regions of Europe and effects of topography and climate on development and relations of different countries. Lectures and map study. Prerequisite, Geol. 10 or 12 or 1, 3 or 5. Lab. fee, \$1. Three credits; winter.
- 114. Oceanography.—Study of the ocean, oceanic circulation and temperatures in their geographic relations and influence. Prerequisite, Geol. 11 or equivalent work. Two credits; spring.
- 116. Economic Geography of Washington.—The economic and industrial development of the state, based on the geological, physiographic and climatic conditions. Three credits; autumn.

 Landes
- 117. Geography of Asia.—A study of the continent by natural regions based on topography and climate. Prerequisite desirable, Geol. 10 or 12. Three credits; spring.

 Saunders
- 118. Geography of South America.—Physiographic features, climate and resources of the continent and their effects on development and relations of different countries. Prerequisite desirable, Geol. 10 or 12. Three credits; winter.
- 120. Petrology.—A study of rocks, their components, occurrence and structural relations. Occasional field trips. Lab. fee, \$2.50. Prerequisite, Geol. 21 and either 1, 5, or 12. Three credits; spring. Goodspeed
- 121. Advanced Mineralogy.—A study of opaque, metalliferous minerals with the use of the reflecting microscope, or "mineragraphy"; the relation of the latter to geologic, mining and metallurgical problems. Prerequisite, Geol. 21. Three credits; autumn. Goodspeed
- 122. Field Methods.—Principles and methods of geologic surveying and mapping. Detailed field work in small areas, with field trips. Prerequisite, Geol. 1 and 2, or 5 with 21 and 120. Two credits; spring. Goodspeed
- 123. Optical Mineralogy.—The use of the polarizing microscope in the examination of minerals and rocks in thin sections. Prerequisite, Geol. 1 or 5, and 21. Lab. fee, \$2.50. Three credits; autumn. Goodspeed
- 124. Petrography.—The principles of petrography and petrographic methods in the systematic study of igneous, sedimentary and metamorphic rocks. Prerequisite, Geol. 123. Lab. fee, \$2.50. Four credits; winter.

 Goodspeed

125. Advanced Petrography.—A continuation of the work in petrography for majors in mining and geology. Prerequisite, Geol. 124. Two credits with additional credits optional; spring. Goodspeed



- 126. Economic Geology.—Economic deposits of non-metallic minerals, their production and use. Lectures and discussions of papers. Prerequisite, Geol. 1 or 5, and 21. Three credits; autumn.

 Landes
- 127. Economic Geology.—Economic deposits of metallic minerals, their production and use. Lectures and discussions of papers. Prerequisite, Geol. 1 or 5, and 21, 124. Five credits; winter. Landes
- 128. Economic Geology.—An intensive study of certain economic minerals or of particular areas of great importance. Prerequisite, Geol. 126 or 127. Two or more credits; spring.

 Landes
- 131. Invertebrate Paleontology.—A detailed and systematic biologic study of fossil and living representatives of the Mollusca. Prerequisite, Geol. 31. Lab. fee, \$2.50. Five credits; winter.
- 133. Stratigraphic Paleontology.—A study of the fundamental principles of stratigraphy and the characteristic fossils by means of which the geologic formations of the continent may be determined. Prerequisites, Geol. 1 or 2, 12 or 31. Lab. fee, \$2.50. Five credits; spring.

GRADUATE COURSES

- 200.—Field studies or advanced work in general geology. Credits and hours to be arranged.
- 210.—Advanced or research work in geography, climatology or physiography. Credits and hours to be arranged. Each quarter.
- 220. Advanced or research work in mineralogy, petrography and metamorphism. Credits and hours to be arranged. Each quarter.
- 225.—Advanced or research work in economic geology. Credits and hours to be arranged. Each quarter.
- 230.—Advanced or research work in paleontology and stratigraphy. Credits and hours to be arranged. Each quarter.

SPECIAL SHORT COURSES

- S.C. 1. Geology.—Two lectures a week. Laboratory fee, \$1. Winter Landes
- S. C. 2. Mineralogy.—A laboratory course in physical determination of minerals and the use of blowpipe methods. Three laboratory periods per week. Lab. fee, \$2.50. Winter.

For the teachers' course, (Course in Geography) see department of education, Educ. 160-F.

GERMANIC LANGUAGES AND LITERATURE

Denny Hall

ASSISTANT PROFESSOR ECKELMAN; ASSOCIATE KRAFFT

Requirements for a departmental major: at least 35 hours in the department chosen from courses other than German 1, 2, 3. For the departmental or academic major, who wishes a recommendation to teach: the same, including Ger. 110, and Educ. 160G and at least 9 additional credits in literature.

Credit is allowed for any quarter in any course except 1-2 All courses are conducted in German unless otherwise specified.

- 1-2. First Year.—Stage pronunciation, grammar, reading of easy prose and verse, conversation. Five credits a quarter; autumn and winter, winter and spring, spring and summer. Eckelman and Krafft
- 3. First Year Reading.—Reading of modern prose, conversation, composition, continuation of grammer. Prerequisite, Ger. 1-2 or one year in high school. Five credits a quarter; autumn, winter, spring. Eckelman, Krafft
- 5. Second Year Reading.—Pronunciation, vocabulary building, reading of modern prose, simple conversation. Prerequisite, Ger. 3 or two years high school. Three credits; autumn, winter. Krafft
- 6. Second Year Rapid Reading.—Modern prose, vocabulary building, simple conversation. Prerequisite, Ger. 5, 10 or 11, or 60, or two and one-half years high school. Three credits; spring.
- 10, 11. Second Year Supplementary Reading.—Modern prose, grammar review with emphasis on syntax, simple conversation. Prerequisite as for Ger. 5. Two credits; autumn, winter. Krafft, Eckelman
- 60. Lower Division Scientific German.—Introduction to chemical German. Class work. Suitable outside reading. Vocabulary building. Prerequisite, Ger. 5, 10, or 11; combinations with consent of instructor. Two or three credits; autumn, winter.
- 100. 'Schiller. Life and dramatic works. Jungfrau von Orleans. Don Carlos or Wallenstein. Prerequisite, Ger. 5 or 6. Three credits; autumn.
- 103, 104. Recent Writers.—The best prose and dramatic literature adapted to rapid reading and representative of German middle class and industrial life. Written and oral reports. Prerequisite, Ger. 5 or 6. Three credits; winter, spring.
- 106, 107, 108. German Literature in Translation.—Goethe, the lyric poet. The novel and the drama of the nineteenth century. Reading and discussion of the most significant works. Written reports. No knowledge of German required. Two credits; autumn, winter, spring.
- 110. Advanced Prose Composition and Conversation.—Written exercises, letter writing, themes. Extemporaneous reproduction. Recitation or series, narrative and dramatic selections. Grammar and syntax. Prerequisite, Ger. 5 and 10 or 11. Two credits; winter Eckelman
- 112, 113, 114. Upper Division Scientific German—Scientific essays, monographs and technical periodicals. Each student does private reading in his own field under the guidance of the instructor and major professor. Conference work. Prerequisite courses 5 and 10, or 5 and 60, or 6, or three years in high school. Two or three credits a quarter; autumn, winter, spring.

 Eckelman

4011011

- *116-117-118. German Prose Reading.
- *120. Phonetics.
- *130-131-132. German Institutions.
- *133-134-135. Modern Novels.

^{*}Not offered in 1922-1928

*136-137-138. Modern Drama.

- 142. Lyrics and Ballads.—The Romanticists. Uhland, Heine, Moerike. Storm and others. Prerequisite, course 100 or 103 or 104. Three credits, graduate students may exceed this credit; autumn. Eckelman
 - *151. Lessing.
- 152, 153. Goethe.—Growth and development of the lyric poet. Outside reading and reports. Faust, Part I. Genesis, plan and purpose of the drama. Assigned reading and reports. For advanced students. Three credits, graduate students may exceed this credit; winter, spring.
- 180, 181. Nineteenth Century Literature.—Study of the drama and novel to 1880. Kleist, Grillparzer, Hebbel, Ludwig, Raabe, Keller, Storm, C. F. Meyer. For advanced students. Three credits, graduate students may exceed this credit; autumn, spring.
 - *200-201-202. Goethe's Lyrics and Letters.
 - *203-204-205. Storm and Stress Period.
 - *206-207-208. Romantic School.
 - *220-221-222. Inter-relations of German and English Literature.
 - *250-251-252. History of the German Language.
- 253. Middle High German.—Grammar and selections from authors for rapid reading in the original. Two to five credits; winter. Eckelman
 - *256-257-258. Gothic.
 - *259. Old Saxon.

NOTE—For courses in comparative philology, see the department of Scandinavian Languages and Literature.

For the teachers' course in German, see department of education, Educ. 160-G.

HISTORY Denny Hall and Philosophy Hall

PROFESSORS' MEANT, RICHARDSON; ASSOCIATE PROFESSOR MCMAHON; ASSISTANT PROFESSORS LUCAE, LARSEN; INSTRUCTORS, EDDY, FARRAR; PROFESSOR GOWEN OF THE DEPARTMENT OF ORIENTAL LANGUAGES AND LITERATURE.

REQUIREMENTS OF THE DEPARTMENT

The University requirements in history may be satisfied by one of the following courses:

Medieval and Modern European History (1-2). It is desirable that this course be selected in fulfillment of the history requirements and that it be taken in the freshmen year. This course is repeated beginning with each quarter.

History of the United States (57-58). Primarily for sophomores.

English Political and Social History (5-6). Open without prerequisites to freshmen, sophomores and upperclassmen.

Ancient History (71-72-73). Open without prerequisites to sophomores and upperclassmen.

For a major at least eighteen credits shall be obtained in the most advanced undergraduate courses. Course 1-2 is required of all history majors.

200

^{*}Not offered in 1922-1923.

It is recommended that all history majors shall take, in excess of departmental requirements, additional work in history, political and social science, philosophy, modern languages, and English literature. Medieval Latin is desirable for those who intend to study history for advanced professional purposes.

Prospective teachers of history as a major subject in high schools who desire the recommendation of the department of history must become acquainted with the elementary facts requisite for the teaching of all courses in history and in civil government taught in the high schools of the state, and have specialized knowledge in their chosen fields. Courses in history, government and economics should be elected with this aim in view.

The work in undergraduate courses consists of lectures, papers, assigned and collateral readings, with quiz sections organized for the larger classes. Graduate courses are devoted to research work and reports thereon.

1-2. Medieval and Modern European History.—A general survey from the Roman world empire of Augustus to our own times. Five credits a quarter; autumn, winter.

Lucas, Larsen, Eddy

The above course is repeated beginning with the winter quarter.

- 5-6. English Political and Social History.—A survey of the political, social, economic and intellectual development of the English people from the Saxon conquest to the present time. Five credits a quarter. (By performance of special work under direction of the instructor upper division students may receive upper division credit.) Autumn, winter. Richardson
- 8. Westward Movement in the U.S. to 1912.—A study of the advance of the frontier and its effect on American ideals from the colonial period to the war of 1812. Two credits; autumn.
- 9. Westward Movement in the U.S. 1812-1860.—A study of the frontier from the war of 1812 to the civil war. Two credits; winter.
- 10. The Agrarian Crusade in the U.S. 1860-1920.—A study of the agrarian movements for control, their causes and results. Two credits; spring.
- 21-22. History of China.—From the earliest time to the present. Three credits a quarter; autumn, winter.
 - 23. History of Japan.—Three credits a quarter; spring. Happ Gowen
- 57-58. History of the United States.—A general survey with emphasis upon political and economic history. Not open to freshmen. Five credits a quarter; autumn, winter.

 McMahon
- 60, 61, 62. Makers of the Nations.—American history through the biographies of prominent characters. Not open to freshmen. Two credits a quarter; autumn, winter, spring.

 Meany
- 71-72-73. Ancient History.—A survey of the history of the ancient world to the times of Augustus. By performance of special work under the direction of the instructor upper division students may receive upper division credit. Not open to freshmen. Three credits a quarter; autumn, winter, spring.

 Larsen
- 81-82-83. England Since the Accession of George I.—Deals with the construction of the British commonwealth of nations and with Imperial problems. It emphasizes also internal economic and institutional developments, especially

not

those related to the growth of democracy. Prerequisite, Hist. 1-2 or 5-6. By performance of special work under the direction of the instructor upper division students may receive upper division credits. Not open to freshmen. Two credits a quarter; autumn, winter, spring.

- 85-86-87. History of the Middle Ages. Advanced.—Course emphasizes the economic, institutional and cultural phases of the period. (By performance of special work under direction of the instructor upper division students may receive upper division credit). Prerequisite, Hist 1-2. Three credits a quarter; autumn, winter, spring.
- 90. History of Alaska: Russian Expansion, 1581-1867.— Two credits; autumn.
- History of Alaska: First American Period, 1867-1896.—Two credits; winter.
- 92. History of Alaska: Second American Period, 1896-1912.—Two credits; spring.
- 102. The Greek World: From Alexander to its Conquest by the Romans.—Those institutions that have influenced the Roman empire and thus western Europe receive special attention. Three credits; autumn. Larsen
- 103-104. The Roman Empire from Augustus to Justinian.—Three credits a quarter; winter, spring.

 Larsen
- 105-106-107. English Constitutional History.—The development of the legal and governmental institutions of the English people to the present time. Valuable for students of political science and law as well as history. Prerequisite, Hist. 5-6, except for upper division students who are majoring in economics, sociology and political science, or who are taking 5-6. Open also to pre-law sophomores who have taken 5-6 in freshman year. Pre-law sophomores who elect this course and have not taken 5-6 are required to take course 108-109-110. Three credits a quarter; autumn, winter, spring.

Richardson

- 108-109-110. English Political History, Pre-law.—Open only to those pre-law sophomores and majors in political science who are taking course 105-106-107. All pre-law sophomores who are taking course 105-106-107 and who have not taken course 5-6 are required to take this course. Two credits a quarter; autumn, winter, spring.
- 114-115-116. Renaissance and Reformation.—Prerequisite, Hist. 1-2. Two credits a quarter; autumn, winter, spring.

 Lucas
 - *117-118-119. France from the Reformation to the French Revolution.
 - *121-122-123. Prussia and Northern Europe.
- 125. Turkey and the Near East, 1453-1921.—Deals with the Near Eastern question: the rise, expansion and decline of the Ottoman Empire and the awakening and modern development of the Balkan nations. Prerequisite, Hist. 1-2, or 131. Five credits; spring.
- 129. The French Revolution and Napoleonic Era.—Prerequisite, Hist. 1-2. Five credits; autumn.

^{*}Not offered in 1922-1928.

- 130. Europe, 1814-1870.—European development from the Congress of Vienna to the foundation of the German Empire at the close of the Franco-German war. Prerequisite, Hist. 1-2. Five credits; winter. Eddy
- 131. Europe since 1870: The War and Its Background. The historical background, fundamental causes and progressive development of events and issues in the world war. Prerequisite, Hist. 1-2, or upper division standing. Not open to freshmen. Five credits; spring. Richardson
 - *139. The Southern Colonies.
 - *140. The New England Colonies.
 - *141. American Revolution.
- 143. History of the United States, 1789-1815.—Open only to juniors, seniors and graduates. Three credits; autumn. McMahon
- 144. History of the United States, 1815-1846.—Open only to juniors, seniors and graduates. Three credits; winter.

 McMahon
- 145. History of the United States, 1846-1860.—Open only to juniors, seniors, graduates. Three credits; spring. McMahon
- 147. History of the Civil War Period.—Open only to juniors, seniors and graduates. Three credits; autumn.

 McMahon
- 148. History of the Reconstruction Period.—Open only to juniors, seniors and graduates. Three credits a quarter; winter.

 McMahon
- 149. History of National Development.—The development of the American nation from the close of the reconstruction period to the present time. Open to juniors, seniors, graduates and to such sophomores as have completed Hist. 57-58. Five credits a quarter; spring.

 McMahon
- 153. The Pacific Rim.—History of the countries bordering upon the Pacific Ocean with especial reference to recent changes. Open to juniors, seniors and graduates. Three credits a quarter; autumn. Meany
- 154. Spain in America.—The rise and fall of Spanish power in America, and an outline of the history of the Spanish-American republics. Three credits a quarter; winter. Open to juniors, seniors and graduates. Meany
- 155. History of Canada.—Canadian development to the present time. Open to juniors, seniors and graduates. Three credits a quarter; spring.
- 157-158-159. History of American Diplomacy.—American relations with foreign powers from colonial times to the present. Open to juniors, seniors and graduats. Two credits a quarter; autumn, winter, spring. Meany
- 163-164-165. Northwestern History.—From the earliest voyages to the Pacific Northwest to the organization of the present form of government. Open to juniors, seniors and graduates. Two credits a quarter; autumn, winter, spring.

 Meany

GRADUATE COURSES

201-202-203. Methods of Historical Research and Criticism.—Open only to graduates and a few qualified seniors who obtain the consent of the instructor. One credit a quarter; autumn, winter, spring. Richardson

*204-205-206. Historiography.

^{*}Not offered in 1922-1923

210-211-212. Greek Federal Leagues.—Two credits a quarter; autumn, winter, spring.

Larsen

*215-216-217. Seminar in English History.

Richardson

*218-219-220.—Seminar in Historical Background of World War.

221-222-223. Seminar in American History.—Two credits a quarter; autumn, winter and spring.

McMahon

227-228-229. Seminar in State History,—Two credits a quarter; autumn, winter, and spring. 4cr. for L. Crane - fall Meany Norm:—For the teachers' course, see department of education, Educ. 160-M.

Home Economics

Home Economics Hall

PROFESSOR RAITT; ASSISTANT PROFESSORS DENNY, PATTY, AMERY, KOEHNE; INSTRUCTORS, DRESSLAR, LUSBY.

(For curricula in Home Economics see page 84)

- 1. Cookery.—General elective for non-home economics majors. Study of marketing, cookery, meal planning and service. Laboratory work to accompany Phys. Educ. 54, 55, and 56. Three 2-hour periods, recitation and laboratory work. Lab. fee, \$6. Three credits; winter.
 - *2. Elements of Nutrition.
 - *3. Elements of Home Management.
- 4. Foods: Principles and Practice of Food Preparation.—Credit for cookery in high school exempts students from this course. Three 2-hour periods, recitation and laboratory work. Lab. fee, \$6. Three credits; autumn, spring.

 Dresslar
- 5-6. Foods: Selection and Preparataion.—Prerequisite, H.E. 4 or one year high school cookery or equivalent, Chem. 5-6, Physiology 8. Two lectures and three 2-hour periods, recitation and laboratory work. Lab. fee, \$6. Five credits a quarter; autumn, winter, spring.

 Dresslar
- 7. Home Economics Survey.—Analysis of the subject. Relation to supporting courses. Budgets and accounts. Required of all freshmen majoring in home economics. Two recitations. Two credits; autumn; spring. Raitt
- 8. Clothing.—Elements of hand and machine sewing. Materials, design and construction. Comparison with factory made garments. Problems of garment making. Credit for high school clothing exempts students from this course. Three 2-hour periods, recitation and laboratory work. Lab. fee, \$2. Three credits, spring.
- 25. Textiles and Clothing.—Identification and testing of fabrics. Economics of the textile industry. Comparative values in all types of clothing. Hygiene of clothing. Care and renovation. Clothing budgets. Two lectures and three 2-hour periods, recitation and laboratory work. Lab. fee, \$4. Five credits; autumn, winter, spring.
- 27. Non-Textiles.—Merchandise from non-textile sources; paper, leather, rubber, fur, metals, etc. Raw materials, sources of supply, manufacture, methods of judging. Classification of retail stores' departmental stock. Three 2-hour periods, recitation and laboratory work. Lab. fee, \$4. Three credits; winter.

^{*}Not offered in 1922-1923.

- 32. Clothing.—General elective for students who take no other work in this subject. Designing and making of simple dresses, study of accessories, clothing budgets. Three 2-hour periods, recitation and laboratory work. Lab. fee, \$4. Three credits; autumn.
- 43. Home Sanitation.—Selection, sanitation and care of the equipment and material of the household. Three 2-hour periods, recitation and laboratory work. Lab. fee, \$2. 'Three credits; autumn. Dresslar
- 101-102. Needlework.—History of lace and needlecraft. Application of principles of design to modern needlework. Prequisite, H.E. 8 and P.S. and D. 3. Two 2-hour periods, recitation and laboratory work. Lab. fee, \$2. Two credits a quarter; autumn, winter.
- 105-106. Nutrition: Elementary Dietetics.—Function, nutritive value of foods. Elementary course for nurses, social service students and those wishing to obtain a practical knowledge of nutrition as a part of a liberal education, but who will not teach this subject. Prerequisite, H.E. 4, Chem. 5-6, Physiology 8. Three lectures one 2-hour period, recitation and laboratory work. Lab. fee, \$6. Four credits; winter, spring. Koehne
- 107-108. Nutrition: Dietetics.—Principles of Human Nutrition.—For those expecting to teach home economics or to enter professions related to food and nutrition. Prerequisite H.E. 5-6, Chem. 135-136. Three lectures. Two 2-hour periods, recitation and laboratory work. Lab. fee, \$6. Five credits; winter, spring.
- 109. Elements of Honc Economics.—Service course for students training to do social service work. A consideration of the budget, elements of nutrition and home sanitation. Five recitations. Five credits; winter. Raitt
- 110. Food Preparation.—Advanced work in cookery—finer processes in technique, meal planning and service, catering. Prerequisites, H.E. 5-6. Two 3-hour periods, recitation and laboratory work. Lab. fee, \$6. Three credits; autumn.
- 112-113. Clothing.—Costume Design and Construction.—Principles of design applied to dress and dress accessories. Practice in selection and construction. Prerequisite, H.E. 8 and P.S. and D. 3. Five 2-hour periods, recitation and laboratory work. Lab. fee, \$4. Five credits, autumn, winter, spring.
- 121. Large Quantity Cookery.—Preparation of food in large quantities for cafeterias, tea rooms, dormitories, hospitals, and camps. Prerequisite, H.E. 5-6. Laboratory practice. One lecture, three 2-hour periods, recitation and laboratory work. Lab, fee, \$4. Four credits; winter.
- 122. Buying and Dietaries.—Marketing, buying, institution equipment and supplies. Planning menus for dormitories, hospitals, cafeterias and tearooms. Prerequisites, H.E. 5-6 and 107-108. Three recitations. Three credits; spring.
- 123. Institutional Management.—A study of the problems of various types of institutions, relating to their organization and operation, relation to the state and community, employment of help. Three lectures. Prerequisites. H.E. 5-6, 107-108, and 122. Three credits; spring.
- 124-125. Practice Work.—Eight hours a week in different departments of University Commons and University dormitories followed by eight hours a week among following: tea rooms, cafeterias, school lunch rooms, clubs and hospitals—under supervision of the instructor in charge. One hour con-

ference a week. Two 4-hour periods or one full day should be arranged in the schedule. Three credits a quarter; autumn or spring. Two quarters required.

- 130-131. Clothing: Costume Design and Construction.—Designing and draping on the form, practice in dress construction, and a study of trade conditions. Prerequisites, H.E. 112-113, P.S. and D. 3, P.S. and D. 169. Three 2-hour periods, recitation and laboratory work. Three credits; winter, spring.
- 133. Clothing: Costume Design.—Development of fashion from ancient times to the present with emphasis upon the best art periods. Adaptation to the present mode. Prerequisites, H.E. 112-113. P.S. and D. 3 and 169. Five 2-hour periods—recitation and laboratory work. Five credits; spring. Lab. fee, \$4.
- 135. Millinery.—Design, selection, practice in construction. Study of trade methods and materials. Prerequisites, H.E. 8 or equivalent P.S. and D. 3. Three 2-hour periods, recitation and laboratory world. Lab. fee, \$4. Three credits; autumn.
- 143. Home Furnishing.—Application of structural art principles to choice and arrangement of household furnishings. Comparative costs. Prerequisites, P.S. and D. 3. Two lectures and one 2-hour period, laboratory work, and excursions. Lab. fee, \$4... Three credits; autumn, spring. Denny
- 144-145. Household Management.—Organization of the household. Application of scientific principles. Study of scientific management. Household budgets and accounts. Prerequisites, H.E. 5-6, 105-106, or 107-108, Arch, 101-102, Phys. 89-90. Bact. 101, Econ. 1, Soc. 1. Two recitations and conferences. Three credits; winter, spring.
- 148. Practice Cottage:—Seniors are required to live in Practice Cottage two or three weeks. Two credits.
- 183. Foods.—Comparative Studies of Food Materials and Cooking Processes.—Prerequisites, H.E. 5-6. Three 2-hour periods recitation and laboratory work. Lab. fee, \$4. Three credits; spring.

 Dresslar
- 188. Advanced Textiles.—Intensive study of fabric values. Historic textiles including tapestries. Dyeing of yarns and fabrics. Hand weaving. Prerequisites, H.E. 25, Econ. 1. Two 2-hour periods, recitation and laboratory work. Lab. fee, \$4. Two credits; winter.
- 189. Special Food Problems—Investigation of food products, nutrition, individual assignments. Prerequisite, H.E. 106 or 107. Recitation and special investigation. Lab. fee, \$2. Three credits; autumn.
- 190-191. Advanced Nutrition.—A study of one or more of the following phases:
 - Malnutrition of Children.—Work centers around the University Cooperative Child Nutrition Service. Consultation with physicians and instructor and follow-up case work in homes of the children. Visits to institutions for child care.
 - An Intensive Study of Dietary Deficiency Diseases—Laboratory work on experimental animals.
- Diet in Disease.—Lectures. Visits to hospitals. Open to graduates or advanced under-graduate students. Two to five recitations, one to three lab. periods. Three hours of field work may be required. Lab. fee, \$4

and \$8 depending upon number of credits carried. Three to eight credits; winter and spring.

GRADUATE COURSES

*200. Special Food Problems.

202. Seminar.—A study of the present status of home economics education with special attention to the work in the elementary and high schools of the State of Washington. Prerequisites, 30 credits in home economics, including Educ. 160-J, 160-J. Four to six credits; spring. Raitt

*203. Research

205-206. Research in Nutrition.—Animal experimentation on some special problem. Open to graduate students. Prerequisites, H.E. 107-108. It is desirable that this course be accompanied by H.E. 190, 191. Lab. fee, \$4. Two

to three credits a quarter; winter, spring.

207, Research in Textiles.—Prerequisites, H.E. 25, Econ. 1. Lab. fee, \$2.

Three to nine credits. Credits arranged

Denny

NOTE:-For teachers' course, see the department of education. Educ. 160-J-160-J.

For the course Food and Nutrition required for physical education credit, see department of physical education, Phys. Educ. 54-55-56.

210, 211, 212 - Research in Coolemne Design - Iournalism `criranges

sor Spencee, Assistant Propessors Kennedt, Jones; Instructor, Hicklin; Student Assistant, Astel PROFESSOR SPENCER,

- 51. News Writing.—Practice in news writing; study of news sources. Required in the sophomore year of pre-journalism majors. Laboratory fee, \$2. Five credits a quarter; autumn, winter.
- The Country Newspaper.—Editorial problems peculiar to the country weekly. Two lecture hours and one laboratory period a week. Required in the sophomore year of pre-journalism majors. Laboratory fee, \$2 a quarter. Three credits a quarter; spring. Jones.
- 75. Elements of Publishing.-Head styles; proof-reading; binding, engraving, press work; problems of production. Required in the sophomore year of pre-journalism majors. Laboratory fee, \$2 a quarter. Three credits a quarter; autumn. Kennedy.
- 90, 91, 92. Current Events.-Current state, national, and world movements. One quarter required of majors in journalism. Prerequisite, Journalism 51. Laboratory fee, \$1. One credit a quarter; autumn, winter, spring.
- 101. Reporting.—Study of all types of stories covered by a reporter. Required of majors in journalism. Prerequisite, Journalism 51. Laboratory fee, \$2. Five credits a quarter; autumn, spring.
- 104. Newspaper Administration.—Newspaper organization and management. Required of majors in journalism. Prerequisite, Journalism 51. Laboratory fee, \$1. Two credits a quarter; autumn.
- 109. Literary and Dramatic Reviewing.—Routine work of the literary and dramatic editors. Prerequisité, Journalism 51. Two credits a quarter; spring.

^{*}Not offered in 1922-1923.

Journalism 101. Laboratory fee, \$2. Five credits a quarter; winter, spring.

Foreign Coversorbance - 2 cr. Hicklin.

130. Fundamentals of Advertising.—Laboratory fee, \$2. Five credits a quarter; autumn.

- 131. Display Advertising.—Prerequisite, Journalism 130. Laboratory fee, \$2. Five credits a quarter; winter. Jones.
- 133. Advertising Typography.—Type families; application of type; advertising type units; type problems. Laboratory fee, \$2 a quarter. Prerequisite, Journalism 75. Five credits a quarter; spring.
- 136. Comparative Journalism.—Prerequisite, Journalism 101 and 120. Laboratory fee, \$2. Three credits a quarter; spring. Jones.
- 138. History of American Journalism.—Required of majors in journalism. Prerequisite, Journalism 51. Five credits a quarter; winter. Spencer.
- 140. The Business Office.—Simplified accounting for newspaper plants; business office management. Required of majors in journalism. Prerequisite, Journalism 75. Laboratory fee, \$2 a quarter. Five credits a quarter; winter.

 Kennedy.
- 150. Editorial Writing.—Required of majors in journalism. Prerequisite, Journalism 101 and 120. Five credits a quarter; spring. Spencer
- 160. Trade Journalism.—Prerequisite, Journalism 51. Laboratory fee, \$2. Five credits a quarter; winter.
- 170. Magazine and Feature Writing.—Practice in writing special newspaper and magazine articles; study of current magazines and newspaper supplements. Articles are graded according to their probable marketability. Laboratory fee, \$2. Five credits a quarter; autumn.

 Jones
- 173. The Short Story.—Critical appreciation of the short story. Laboratory fee, \$2. Three credits a quarter; autumn.
- 174-175.—Short Story Writing.—Prerequisite, Journalism 173. Laboratory fee, \$2 a quarter. Three credits a quarter; winter, spring. Spencer
- 188.—News Writing for Teachers.—Methods and problems of teaching news writing in high schools. Two credits a quarter; spring. Jones
- 250. Research in Journalism.—Admission only by consent of the instructor. Three to five credits a quarter; autumn, winter, spring. Spencer

Law

Commerce Hall

PROPESSOE CONDON, LANTZ, GOODNER, BISSETT, AYER; LECTURES, O'BRYAN

FIRST YEAR

All first year courses required

100. Agency.—Wambaugh's Cases. Five credits; spring. Ayer.

103-104. Contracts.—Williston's Cases. Five credits per quarter; autumn and winter.

106-107. Criminal Law and Procedure.-Derby's Cases supplemented

by Washington Criminal Code and Cases. Three credits per quarter; autumn and winter. O'Bryan

- 108-109. Pleading and Procedure.—Stinderland's Cases on Common Law Pleading, and Sunderland's Cases on Code Pleading, and Washington Code and Cases. Five credits per quarter; winter and spring.

 Goodner
- 115. Property I.—Personal.—Bigelow's Cases, Vol. I. Three credits; autumn.

 Bissett
 - 116. Property II.—Recl.—Bigelow's Cases, Vol. II. Five credits; spring, Bissett
- 117-118. Torts.—Bohlen's Cases. Four and two credits respectively; autumn and winter quarters. Ayer

SECOND YEAR

- 125-126. Equity.—Ames' Cases in Equity Jurisdiction, Vol. I and II. Three credits per quarter; autumn and winter.
- 128. Damages.—Beale's Cases on Damages, supplemented by Washington Cases. Three credits; spring. O'Bryan
- 129-130. Evidence.—Wigmore's Cases. Five and four credits, respectively; autumn and winter. Condon
 - 133. Insurance.—Vance's Cases. Three credits; spring. Lantz
 - 137. Negotiable Instruments.—Huffcut's Cases. Three credits; winter. Bissett
 - 138. Quasi-Contracts.—Woodmuff's Cases. Three credits; spring.
- 139-140. Property II. (continued).—Aigler's Cases, Vol. III, and Kale's Cases, Vol. IV; autumn and winter quarters, four and two credits, respectively.
- 142-143. Public Utilities.—Beale and Wyman's Cases. Three credits per quarter; winter and spring. Lantz
- 146-147. Sales.—Woodward's Cases. Three credits per quarter; winter and spring.

 Ayer

 Ayer
- 161. Procedure IV.—This course relates to procedure in civil actions in the Superior Court of Washington. Five hours. Three credits; autumn.

 Goodner
 - 189. Partnership.—Gilmore's Cases. Three credits; spring. O'Bryan

THIRD YEAR

- 153. Property III.—Aigler's Cases, Vol. III, and Kale's Cases, Vol. IV. Three credits; autumn. Bissett
 - 159. Wills.—Costigan's Cases. Three credits; autumn. Goodner
- 163. Procedure VI.—A course in Probate Proceedings, covering administration of estates, probate of wills, appointment of guardians, etc. Five hours. Four credits; winter.
 - 165. Admiralty.—Ames' Cases. Three credits; autumn. Lantz

- 166. Office Practice.—Conveyancing and examination of abstracts, care of a law office generally, drawing wills and contracts, preparation of briefs and office accounts. Five credits; spring.

 Condon
 - 168. Conflict of Laws.-Lorenzen's Cases. Five credits; winter. Lantz
- 170-171. Constitutional Law.—Hall's Cases. Three credits per quarter; autumn, winter. Bissett
- 187-188. Private Corporations.—Canfield and Wormser's Cases. Three credits per quarter; autumn and winter. Goodner
- 191. Property: Community.—Washington Statutes and selected cases on community property. Five credits; spring.

 Bissett
- 196. Trusts.—Kenneson's Cases. Five credits; spring. Goodner North Fifteen hours of credits in each quarter are required, making a minimum total of 185 hours or credits for completion of the law course.

Students are limited to fifteen hours per quarter, except upon special permission of the dean, and payment of an additional fee of \$1 per credit hour in excess of fifteen.

200 - Evidence - 3 er. - Condon.fa!

Library

PROFESSOR HENRY; ASSOCIATE PROFESSOR SMITH; INSTRUCTORS, HOWE, SPENCER, ALPONSO

1. Use of the Library.—An elective course open to any student in the University, but especially designed as an introduction for those who expect to enter the Library School. Lectures on the arrangement of the library, on classification and cataloging of the books, on some of the general reference material, and on library organization and usage. One hour a week; repeated each quarter.

Staff

Registration in any quarter limited to thirty, preference given to those expecting to enter the Library School.

The following courses are open only to students registered in the Library School.

- 174. Order Routine, Trade Bibliography, and Circulation.—Ordering, receiving, checking, accessioning and mechanical preparation of books; elements of trade bibliography. It also covers lending systems. Two credits; autumn.
- 175. Classification and Subject Headings.—Decimal classification studied in detail, followed by survey of the Expansive and the Library of Congress classifications. Use of subject headings considered early in the quarter and much of the prepared work consists of the classification and assignment of subject headings to specified books. Three credits; autumn. Spencer
- 176. Cataloging.—Covers fundamentals of dictionary cataloging, assigning of book numbers, shelf-listing, and alphabeting. Three credits; autumn.
- 184. Cataloging.—A continuation of course 176, dealing with the more difficult phases of the subject, including authorities. Three credits, winter.

 Spencer
- 177, 185, 193. Reference.—These courses give a working knowledge of important types of reference books and develop the power of research. Lectures cover books and methods. Practical problems assigned and worked

المراجعة المعادلة المعاددات

- out. Courses include also the work with government documents. Two credits a quarter; autumn, winter, spring.
- 194. Subject Bibliography.—Practical work in the preparation of bibliographic lists; lectures on sources and methods of work. Problems cover arrangement and form of entry. One piece of independent bibliographic work is required of each student. Two credits; spring.
- 186, 195. Practice.—Each student is expected to do 300 hours of practice or laboratory work under expert personal supervision as a test of practical ability and as an opportunity to exhibit personality in service. The practice work is given in both the University Library and the Seattle Public Library and consists of 15 hours per week for twenty weeks. Five credits a quarter; winter, spring.
- 178. History of Books and Libraries.—Lectures, readings and reports.

 Two credits; autumn.

 Henry
- zation and organization of a general library system for city, county or state, as the unit of organization; also the organization of various types of libraries with varying degrees of equipment. Two credits; winter.
 - 179, 188, 196. Book Selection.—To cultivate taste and good judgment in evaluation of books through a study of the principles of book selection, annotation and book reviewing. Three credits; autumn. Two credits; winter and spring.
 - 197. Library Administration and Library Literature.—Lectures, readings and discussions upon library legislation, local taxation, library budget, and all means and instruments for realizing the educational and social functions of the library. Reading and class discussion of literature of libraries and librarianship, including library periodicals and the publications of library organizations, with special emphasis upon the best papers in the A.L.A. Proceedings for recent years. Three credits; spring.
 - 189. Work with Children and Schools.—Planned to meet the needs of general library assistants and librarians in charge of small libraries. Deals with principles of book selection with special attention to choice of books for children of various ages. Students read and discuss children's books with these ideals in mind. Two credits; winter.
 - 198. Special Lectures by Active Librarians.—Ten lectures are given by as many persons, each upon some vital problem of library service or administration. These persons are selected because of their experience and success in dealing with the problems treated. One credit; spring.

MATHEMATICS

Philosophy Hall

Professors Moritz, Bell; Associate Professors Carpentee, Winger; Assistant Professors Campit, Neikirk: Instructors, Small, West, Stagee; Associates, Cramlet, Tatlor, Jerbert

REQUIREMENTS OF THE DEPARTMENT

For a major in mathematics, 36 credits, including courses 5 and 109. Candidates who are not majors in mathematics but wish to teach mathe-

matics as a minor subject must have earned at least 15 credits in mathematics, including courses 4 and 5, before receiving the recommendation of the department.

Major students in mathematics should, if possible, select their courses in mathematics in the following order: Math. 4, 5, 6, 107, 108, 109. In addition they should elect physics as their freshman science and take solid geometry (Math. 2) ir their freshman year.

- 1. Advanced Algebra.—Algebra from quadratics on. Prerequisite, one year of high school algebra. Five credits; autumn, winter, Sp.
- 2. Solid Geometry.—Prerequisite, one year of plane geometry. Five credits; winter, spring. Fall
- 4. Plane Trigonometry.—For students in the Colleges of Liberal Arts, Science, Education, Fisheries. I.aw, and Pharmacy. Prerequisites, one year of algebra and one year of plane geometry. Five credits; each quarter.
- 5. College Algebra.—Prerequisite, course 1 or one and one-half years high school algebra. Five credits; winter. Winger.
- 6. Analytical Geometry.—Primarily for students in the College of Science. Prerequisite, Math. 1, 2, and 4. Five credits; spring. Winger.
- 11-12. Theory of Investments.—Primarily for students in commerce. A two quarter course. The first quarter's work deals with the preliminary processes of algebra, together with applications to problems in interest and annuities. The second quarter's work deals with annuities, amortization, capitalization and depreciation, sinking funds, bond values, building and loan associations. This is followed by a brief study of life contingencies, applied to the computation of single and annual premiums on life policies. Prerequisite, one year algebra, one year geometry. Five credits a quarter; autumn, winter, spring.
- 13. Elements of Statistical Methods.—Data obtained by observation, enumeration or estimate, and their application to interpreting social and natural phenomena. Prerequisite, one year algebra, one year plane geometry. Five credits each quarter.
- 51. Higher Algebra.—Primarily for students in the Colleges of Engineering and Mines. Prerequisite, one and one-half years algebra, one year plane geometry. Five credits each quarter.
- 52. Trigonometry.—Primarily for students in the Colleges of Engineering and Mines. Prerequisite, Math. 51. Four credits; each quarter.
- 53. Analytical Geometry.—Primarily for students in the Colleges of Engineering and Mines. Prerequisite, Math. 52. Four credits; each quarter.
- 54, 55, 56. Mathematics for Foresters.—A study of advanced numerical and graphical methods and solution of plane triangles by trigonometric methods. Prerequisite, one and one-half years algebra, one year plane geometry. Three credits a quarter; autumn, winter, spring. Taylor
- 57, 58, 59. Mathematics for Architects.—Algebra through quadratic equations and plane trigonometry through solutions of triangles. Advanced topics in algebra; the elements of analytical geometry; elementary differential and integral calculus. Prerequisite, one year algebra, one year plane geometry. Three eredits a quarter; autumn, winter, spring. Taylor
- 61, 62, 63. TCalculus.—Primarily for students in the Colleges of Engineering and Mines. Prerequisites, Math. 2 and 53. Three credits a quarter; autumn, winter, spring.

FOR GRADUATES AND UNDERGRADUATES

- 101. Spherical Trigonometry with Applications.—Prerequisite, Math. 2 and 4. Two credits; autumn.
- 102, 103. Solid Analytical Geometry.—Prerequisite, course 8 or 63. Two-credits a quarter; winter, spring.
- 107, 108, 109. Calculus.—Elements of differential and integral calculus, primarily for students in the College of Science. Prerequisite, Math. 6. Five credits a quarter; autumn, winter, spring.

 Moritz
- 114, 115. Ordinary and Partial Differential Equations.—With applications to problems in physics, chemistry, astronomy and engineering. Prerequisite, course 108 or 63. Three credits a quarter; autumn, winter.

 Carpenter
- 117-118-119. Projective Geometry.—An analytic treatment. The relation of projective to metric geometry is emphasized. Prerequisite, Math. 8 or 61. Two credits a quarter; autumn, winter, spring. Winger
- 151. Mathematical Theory of Finance.—This course is especially designed to meet the needs of expert accountants, of majors in business administration, and of majors in mathematics who wish to turn their mathematics to account in business. The course includes a comprehensive study of the theory of interest and discount symmetrically developed; valuation of annuities; determination of rates of income; valuation of redeemable and irredeemable securities; capitalization and depreciation; sinking funds and amortization of debentures and of options; construction and use of bond tables; Makeham's Formula. Prerequisite, a thorough working knowledge of algebra. Three credits; autumn.
- 152. Mortality Tables.—Various methods of graduation of tables; probabilities of life; expectations of life; force of mortality; probabilities of survivorship; DeMoivre's, Gompertz and Makeham's formulas for the law of mortality. Lubbock's summation formula; the life table and its uses. Prerequisite, a thorough working knowledge of algebra. Three credits; winter.
- 153 Insurance—Premiums and Reserves.—Life annuities and assurances; single and annual premiums with and without premiums returns; commutation columns; conversion tables; joint life annuities and assurances; relation between annuities and assurances; varying benefits; policy values; surrender values; life interest and reversions. Prerequisite, Math. 151 and 152. Three credits; spring.
 - *161, 162, 163. Analytical Mechanics.
- 164, 165, 166. Introduction to Applied Mathematics—For students of science. The theorems of Green, Gauss, Stokes and Kelvin, and their applications to electricity. Maxwell's equations; derivation of the equation of wave motion, and its solutions in special cases, including Hertzian oscillations. Elements of Fourier Series, with selected problems from propagation of heat and electricity. Generalized Coordinater, the Principle of Least Action, and Lagrange's equations with applications to systems of two degrees of freedom. The aim of the course is to give the student sufficient mathematics to enable him to read the easier scientific papers in the current literature. It presupposes a thorough grasp of elementary physics and mathematics through the calculus. Differential equations should be taken before or concurrently. Three credits a quarter; autumn, winter, spring.

^{*}Not offered in 1922-1923.

GRADUATE COURSES

201, 202, 203. Introduction to Projective Differential Geometry.—Projective theory of plane and space curves, surface and line congruences, as developed from certain differential equations and their invariants. Prerequisites, Math. 119 and 116. Three credits a quarter; autumn, winter, spring.

Carpenter.

*204, 205, 206. Modern Algebra. for M.E. Morgan - 3 er. fall

207-208-209. Theory of Relativity.—Autumn, absolute differential calculus; winter, Einstein's Theory of Gravitations; spring, general relativity. Prerequisites, Math. 109, Physics 2. Nine credits for the year. Bell.

*211, 212, 213. Foundations of Mathematics.

\$214, 215, 216. Complex Variable. _ 5 mai / _ 2 cr 7all

*217, 218, 219. Elliptic and Theta Functions.

*221, 222, 223. Higher Plane Curves.

*224, 225, 226. Real Variables.

251, 252, 253. Mathematical Journal and Research Club.—Meets on the second Thursday of each month in Philosophy Hall, room 137, at 5 p.m. The club consists of advanced students and teachers in the department of mathematics. The purpose of the club is primarily to discuss the research work carried on by members of the club, and secondarily to review important recent mathematical literature. Prerequisite, open to all graduate students in mathematics. No credit; autumn, winter, spring.

NOTE:-For the teachers' course, see department of education, Educ. 160-M.

MECHANICAL ENGINEERING

Engineering Hall

PROFESSOR EASTWOOD; ASSOCIATE PROFESSORS WILSON, WINSLOW; INSTRUCTORS, McInttee, McMinn, Edmonds

- 70. Marine Gas Engines.—Arranged for the short course in fisheries.

 Two credits; winter.

 Wilson.
- 71. Airplane Gas Engines.—Arranged for military science department. Two credits; spring. Wilson.
- 81. Mechanism.—Operation of machines involving the transmission of forces and the production of determinate motions. Prerequisite, C.E. 2, Math. 52. Three credits; autumn, winter, spring.

 Wilson, Winslow, McIntyre, McMinn.
- 82. Steam Engineering.—Various steam apparatus used in modern steam plants; construction, use, and reason for installation. Not open to freshmen. Prerequisite, C.E. 2. Three credits; autumn, winter, or spring.

 Eastwood, Winslow, McMinn.
- 83. Steam Engineering Laboratory.—Calibrations of thermometer, gages, indicator springs, etc.; tests of the simple steam engine; one complete engine and boiler test with report. Preceded or accompanied by M.E. 82. Lab. fee, \$2. Three credits; autumn, winter, spring.

 Wilson, Winslow, McIntyre.

^{*}Not offered in 1932-1923.

- 91, 92, 93. Machine Design.—Design of machine details. Preceded or accompanied by M.E. 81. Prerequisite, C.E. 2. Two credits a quarter; autumn, winter or spring.

 McIntyre, Edmonds, McMinn.
- 101, 102, 103. Machine Design.—Design of hoisting and pumping machinery; special machines. Prerequisite, M.E. 93, C.E. 132. Two credits a quarter (103, three credits); autumn, winter, spring.
- 123, 124. Engines and Boilers.—Generation and use of steam in various types of boilers and engines. Three lectures per week autumn quarter; two lectures and three lab. periods a week, winter quarter. Prerequisite, M.E. 82, 93, C.E. 131. Three credits per quarter; autumn, winter. Winslow.
- 151, 152, 153. Experimental Engineering.—Continuation of M.E. 83, involving more extended and complete investigations. Prerequisite, M.E. 83. Lab. fee, \$2. Three credits a quarter; autumn, winter, spring.

 Wilson, Winslow.
- 167. Engineering Materials.—Properties of the various materials used in engineering construction, including iron, steel, reinforced concrete, timber, etc. Recitation and laboratory. Prerequisite, C.E. 132. Junior mechanical and electrical engineers. Lab. fee, \$2. Three credits; winter and spring. Winslow, McMinn.
- 179. Steam Turbines.—Theory, construction and design of steam turbines. Prerequisite, M.E. 82. Three credits; spring. Eastwood.
- 182. Heating and Ventilation.—Various systems of heating and ventilaing, methods or designs and tests. Prerequisite, M.E. 82. Three credits; winter, spring. Eastwood.
- 183. Thermodynamics and Refrigeration.—Fundamental principles underlying the transformation of heat into work, with special application to engineering. Prerequisite, M.E. 82. Five credits; autumn.

 Eastwood.
- 184. Power Plants.—Design of steam power plants, involving their location, buildings, prime movers, power transmission, etc. Prerequisite, M.E. 123, 83. Three credits; spring.
- **185, **186, **187. Naval Architecture.—Theory of naval architecture, as pertains to displacement, stability and strength, and the usual calculations involved in construction. Not open to freshmen. Three credits a quarter; autumn, winter, spring.

 Eastwood.
- **188, **189. 'Ship Design.—Application of the principles of naval architecture to the design of a ship for a definite purpose. Prerequisite, M.E. 186. Two credits a quarter; autumn and winter.

 Eastwood.
- **190. Marine Engineering.—Power plant equipment of ships, including boilers, engines, auxiliaries and propellers. Prerequisite, M.E. 82, 185. Three credits; spring.
- 198. Gas Engineering.—Development of gas engineering; stationary, marine, automobile and airplane motors, and gas producer plants. Prerequisite, M.E. 82. Three credits; autumn and winter. Wilson.
- 199. Gas Engine Design.—Calculations and plans for the design of a given type of motor. Prerequisite, M.F. 198. Three credits; spring.

 Wilson.

**Will be offered if a sufficient number of students elect the course.

- 210. Thesis.—An investigation, design or experiment under the direction of the professor in charge. Three credits; senior year.

 Eastwood, Wilson, Winslow.
 - 211. Research.—Time to be arranged. Three credits a quarter.

Eastwood, Wilson.

ENGINEERING SHOPS

- 53, 54, 55. Metalwork.—Foundry; forge; machine work. Lab. deposit, \$2. One credit per quarter; autumn, winter, spring.
- 105, 106, 107. Metalwork.—Advanced machine shop practice. Prerequisite, E. 55. Laboratory deposit, \$2. One credit a quarter; autumn, winter, spring.
- 108. Metalwork.—Manual arts for teachers. Prerequisite, E. 107. One credit; autumn, winter, or spring.

MILITARY SCIENCE AND TACTICS

The Armory

COLONEL PHARCE, LISUT. COLONEL NOYES, LIBUT. COLONEL ESTT, MAJOR MUHLENBEEG, MAJOR FRAKER, MAJOR DENNIS, MAJOR ROWLAND, MAJOR GREGORT, CAPTAIN UNDERWOOD, CAPTAIN PRIEST, CAPTAIN HALE, LIBUT. NOLAN, LIBUT. HALTE, WARRANT OFFICE WHITE, FIRST SHEGEART THOMAS, QUARTERMASTER SERGEART WUNDERLICH, SERGEARTS LANG, BOYLE, BALLEY, KENT, BECKETT, PALMS, PRIVATES FIRST CLASS FREEMAN, HONSAS. MAUCHAN.

All male students in the University who are American citizens, and not physically disqualified, are required to take military training throughout the first two years of attendance. The present requirement is five hours per week.

The instruction of these two years, together with that provided for the third and fourth years, constitute the courses prescribed by the War Department for institutional units of the Reserve Officers' Training Corps. Three of these units have been established in this University, Infantry, Coast Artillery and Air Service, each leading to commissions as Reserve Officers in the appropriate corps. The advanced courses, those of the third and fourth years, are open to all students who have completed the first two years—basic course—of instruction and training.

All assignments for instruction and training will be made at the time of registration with the military department.

In addition to the above courses, the University has provided for those students who desire to major in military science a four-year curriculum which will give a good general college education upon which any line of professional or technical study may be based and which will give to the graduate the degree of B.S. in Military Science, and at the same time enable him to obtain a commission as second lieutenant in the Officers Reserve Corps of the United States Army in accordance with the provisions of the National Defense Act.

FIRST YEAR

One and two-thirds credits a quarter, five hours a week.

Basic Courses-All Units

- 1-2-3. Infantry Drill. Ceremonies.—Practical. Th.-11. One hour a week.
- 4-5-6. Elementary Infantry and Physical Training.—Practical. M.W.F. Three hours a week.

- 7. Rifle Marksmanship.—Practical. M, W,F, Three hours a week; spring quarter.
 - 8-9-10. Special Infantry Instruction.—Practical. T.-11. One hour a week.
- 16-17-18. Special Coast Artillery Instruction.—Practical. T.-11. One hour a week.
- 30-31-32. Special Air Service Instruction.—Practical. T.-11. One hour a week.

Summer Basic Camp.—Optional after completion of first or second year's course. Students attending Basic Camp, with satisfactory records in the military department and at camp, will be credited with one quarter's work of that prescribed for the second year provided and when they shall sign the contract for the advanced course.

SECOND YEAR

One and two-thirds credits a quarter, five hours a week.

Basic Courses-All Units

- 50-51-52. Infantry Drill. Ceremonies.—Practical. Th.-11. One hour a week.
- 53-54-55. Special Infantry Instruction.—Practical. T.-11. One hour a week.
- 56-57. Musketry.—Theoretical and practical. M.W.F. Three hours a week; autumn, winter.
- 58. Map Reading and Military Sketching.—Theoretical and practical. M.W.F. Three hours a week: spring.

Special Course-Coast Artillery

- 66-67-68. Special Coast Artillery Instruction.—Practical. T.-11. One hour a week.
- 69-70-71. Coast Artillery Materiel.—Practical. M.W.F. Three hours a week.
 - 72. Motor Transport.—Practical. M.W.F. Three hours a week; spring.

 Special Course—Air Service
- 80-81-82. Special Air Service Instruction.—Practical. T.-11. One hour a week.
- 83. Air Service Weapons.—Practical. M.W.F. Three hours a week; autumn.
- 84. General Air Service Subjects.—Practical. M.W.F. Three hours a week; autumn.
- 85-86. Communications.—Practical. M.W.F. Three hours a week; winter, spring.
 - 87. Liaison.—Practical. M.W.F. Three hours a week; spring.

Basic Courses-All Units

- 100-101-102. Infantry Drilt. Ceremonies.—Practical. Th.-11 One hour a week.
 - 106. Military Law.—Theoretical. Two hours a week; autumn.
 - 107. Military History.—Theoretical. Two hours a week; autumn.

Special Course—Coast Artillery

- 116-117-118. Special Coast Artillery Instruction.—Practical. T.-11. One hour a week.
 - 119. Orientation.—Theoretical. Two hours a week; winter.
 - 120. Field Engineering.—Theoretical. Two hours a week; spring.
 - 121. Administration.—Theoretical. Two hours a week; spring.

Special Course-Air Service

- 130-131-132. Special Air Service Instruction.—Practical. T.-11. One hour a week.
 - 133. Communications.—Theoretical. Two hours a week; winter.
 - 120. Field Engineering.—Theoretical. Two hours a week, spring.
 - 121. Administration.—Theoretical. Two hours a week; spring.

FOURTH YEAR

Three credits a quarter, four hours a week.

Basic Courses-All Units

150-151-152. Infantry Drill, Ceremonies.—Practical. Th.-11. One hour a week.

Special Course-Infantry

- 153-154-155. Special Infantry Instruction.—Practical. T.-11. One hour a week.
 - 156-157-158. Minor Tactics.—Theoretical.—Two hours a week.
 - 159. Administration.—Theoretical. Two hours a week; autumn.

Special Course-Coast Artillery

- 166-167-168. Special Coast Artillery Instruction.—Practical. T.-11. One hour a week.
 - 169-170. Gunnery.—Theoretical. Two hours a week; autumn, winter.
 - 171. Employment of Artillery.—Theoretical. Two hours a week; spring.

Special Course-Air Service

- 180-181-182. Special Air Service Instruction.—Practical. T.-11. One hour a week.
 - 183. Aerial Photography.—Theoretical. Two hours a week; autumn.

THIRD YEAR

Three credits a quarter, four hours a week.

- 184. Aerial Gunnery.-Theoretical. Two hours a week; autumn.
- 185. Aeronautical Engines. Two hours a week; autumn.
- 186-187. Air Planes.—Theoretical. Two hours a week; winter, spring.
- 188. Minor Tactics.—Theoretical. Two hours a week; spring.

METALLURGY

Mines Hall

PROFESSOR ROBERTS; ASSOCIATE PROFESSOR DANIELS, CORET; ASSISTANT, REDMOND

NOTE: Mining, metallurgical, geological, or ceramic experience. Each student is required to spend at least one summer vacation, or its equivalent, in practical contact with the industry, and to submit upon his return to college a detailed report of his observations. Work of this nature offers an opportunity to secure data and material for the graduation thesis.

- 101. Fire Assaying.—Testing of reagents, crushing, sampling and assaying of ores, furnace and mill products. Prerequisite, Chemistry 111. One recitation and three laboratory periods. Lab. fee, \$20. Five credits; autumn.
- 102. General Metallurgy.—Properties of metals and alloys, fuels, refractory materials; furnaces; the extraction of the common metals from their ores. Visits to smelters. Prerequisite, junior standing. Three recitations and two laboratory periods. Lab. fec, \$10. Five credits; spring.

Corey

- 103. Metallurgical Fuels.—Analysis of faels and consideration of the most effective utilization of the country's present supplies. Prerequisite, junior standing. Two recitations and one laboratory period. Lab. fee, \$5. Three credits; winter.
- 104. Non-ferrous Metallurgy.—Metallurgy of copper, lead, gold and silver, especially the methods of roasting, smelting, lixiviation and refining. Prerequisite, Met. 102. Five recitations. Five credits; autumn. Corey
- 153. Wet Assaying.—Technical methods for the determination of copper, lead, zinc, etc., in ores and furnace products. For students in ceramics, analysis of clays and ceramics products. Prerequisite, Met. 102, Chem. 111. One recitation and two laboratory periods. Lab. fee, \$12. Three credits; winter.
- 155. Iron and Steel.—Metallurgy and manufacture of commercial iron and steel; especial reference to their properties and uses in engineering work. Prerequisite, junior standing. Three recitations. Three credits; autumn.
- 157. Design of Plant.—Design of a piece of equipment or a structure for mining, milling, or metallurgical purpose. Prerequisite, senior or graduate standing. Three drafting periods. Three credits; spring.

Roberts, Daniels

- 158. Minor Metals.—Metallurgy of zinc, antimony, tin, aluminum, nickel, etc.; a study of the plant required, the methods and costs of treatment. Three credits; spring.
- 160. Metallurgical Analysis.—Technical methods of analysis of slags and industrial products. Prerequisite, Met. 153. Two laboratory periods.
 Lab. fee, \$12. Two credits; spring.
 - 162. Metallography.—Constitution and microstructure of metals and alloys, especially iron and steel. Prerequisite, senior standing. Two recitations. Two credits; autumn.
 - 163. Metallography.—Preparation and study of metal sections, photomicrography and the use of the microscope in testing industrial alloys. Two laboratory periods. Lab. fee, \$5. Two credits; winter.
 - 165. Metallurgy Calculations.—Physical chemistry for the metallurgists, slag calculations, etc., illustrated by figures quoted from the present practice

at a number of smelting plants. Prerequisite, senior standing. Two credits; winter.

- 166. Electrometallurgy.—Study of methods and practice with special consideration of the possibilities of electrometallurgical industries in the Pacific Northwest. Prerequisite, senior or graduate standing. Three credits; spring.

 Corey
- 211, 212, 213. Metallurgical Research.—Study of methods applicable to the development of metallurgical processes for special ores and metals. Prerequisite, graduate standing. Hours and credits to be arranged. Corey
- 221, 222, 223. Advanced Metallurgy.—Application of electro-chemical and electrometallurgical knowledge to the solution of the particular problems of the Pacific Northwest. Prerequisite, graduate standing. Hours and credits to be arranged.

MINING

Mines Hall

PROFESSOE ROBERTS; ASSOCIATE PROFESSORS DANIELS, CORET;
ASSISTANT PROFESSOR, WILSON: LECTURERS, GLENN, POWELL; ASSISTANTS,
SCHONING, MCCORNICK, MCKIM, MCKIM

NOTE—Mining, metallurgical, geological, or ceramic experience. Each student is required to spend at least one summer vacation, or its equivalent, in practical contact with the industry, and to submit upon his return to college a detailed report of his observations. Work of this nature offers an opportunity to secure data and material for the graduation thesis.

- 51. Elements of Mining.—Study of the field of mining, considering prospecting, boring, drilling, explosives, rock breaking, timbering, methods of development and working, transportation and drainage. Prerequisite, sophomore standing. Three recitations. Three credits; autumn. Daniels
- 101. Milling.—Preliminary course, designed to familiarize all students in the department with the principles and uses of the various types of crushing, sampling, concentrating and washing machinery in the Mines Building. Prerequisite, junior standing. Two recitations and one lab. period. Lab. fee, \$5. Three credits; autumn.
- 103. Mine Rescue Training.—Twenty-five hours of instruction. Practice in the care and use of oxygen rescue appartus, smokeroom training, and first-aid-to-the-injured work in the U.S. Bureau of Mines Safety Station. Required of all students in the College of Mines. One credit; winter. Daniels, Schoning.
- ach, taken in the spring of each year to a neighboring mining region; detailed examinations of mining and metallurgical industries. Expense varies from \$25 to \$50. Two credits; spring. 100. Jon Schaperts, Daniels, Corey. 120. Coal Resources of North America.—The occurrence of coal in
- 120. Coal Resources of North America.—The occufrence of coal in North America with special reference to geographic and geologic distribution and structure; classification and commercial requirements of coals. Prerequisite, Min. 51. Three recitations. Three credits; spring.
- 122. Coal Mining Methods.—Prospecting and development. Detailed study is made of a nearby mine. Prerequisite, Min. 51. Three recitations. Three credits; winter.

 Daniels.
- 151. Mining Engineering.—Lectures on exploration, mine development, power generation, air compression, hoisting and transportation. Practice with air compressors, machine drills, and mine equipment in laboratories and local plants. Prerequisite, senior standing. Two recitations, one lab. period. Lab. fee, \$5. Three credits; autumn.

- 152. Ore Dressing.—A detailed study of certain branches of ore dressing accompanied by mill tests of ores checked by assays. Prerequisite, senior standing. Three recitations and two laboratory periods. Laboratory fee, \$10. Five credits; spring.
- 153, 154, 155. Thesis.—The preparation of a graduation thesis, including outline, gathering of material, making of drawings, maps, tests, etc. The laboratory work is supplemented by consultation and conferences. A fee of \$5 or \$10 per quarter will be required to cover cost of materials in thesis work involving the use of mining or metallurgical equipment. Completed thesis must be submitted at least one month before graduation. Prerequisite, senior standing. Five lab. periods. Total of five credits required.
 - Roberts, Daniels, Corey.
- 158. Mining Law.—A series of lectures on the mining laws of the United States and Alaska; illustrated by diagrams and mine maps. Two lectures. Two credits; winter. O'Bryan.
- 162. Mining Methods.—A detailed study of mining methods and costs. Prerequisite, senior mining standing. Three recitations. Three credits; winter.

 Roberts.
- 163. Mine Operation.—The complete operations at a few typical mines, including mining, transportation and treatment of ore, disposal of products, company finances, and management. Illustrated by ores and products, maps and photographs, cost sheets, engineering and financial reports of the mines squdied. Prerequisite, senior standing. Three recitations. Three credits; winter and spring.
- 170. Coal Mining Machinery.—Study of coal cutting machines, mine locomotives, fans, hoists, and pumps with especial reference to application to coal mining. Prerequisite, senior standing. Three recitations. Three credits; autumn.

 Daniels.
- 171. Mine Gases and Ventilation.—Composition and properties of mine gases, methods of testing; lighting of mines; principles of ventilation; ventilating machinery. Prerequisite, Min. 122. Three recitations. Three credits; winter.

 Daniels.
- 172. Coal Mining Plant.—Design of plant and machinery employed in mining and preparing coal for market. Prerequisite, senior standing. Three drafting periods. Three credits; spring.

 Daniels.
- 176. Coal Preparation.—Methods of preparing coal for market, together with laboratory tests and runs on various coals, to determine best methods of preparation. Prerequisite, Min. 101, Met. 103. Two recitations and three lab. periods. Lab. fee \$10. Five credits; winter.
- 178. Coal Preparation Machinery.—Machines and equipment used in tipples and washeries for the screening and washing of coal. Prerequisite, Min. 176. Two recitations. Two credits; spring. Daniels.
- 182. Mine Management.—Organization and administration of engineering plants, the keeping and interpretation of cost accounts, the efficiency of labor and methods, the financial, legal and social aspects of engineering operation. Prerequisite, senior standing. Three recitations. Three credits; spring.

 Daniels.
- 201, 202, 203. Seminar.—Lectures and discussions by Bureau of Mines staff, College of Mines faculty and fellows. Required of Bureau of Mines fellowship holders. Prerequisite, senior or graduate standing. One credit; autumn, winter, spring.

 Roberts, Daniels, Corey, Wilson

211, 212, 213, 214. Graduate Thesis.—Preparation of a thesis in mining engineering, metallurgy or ceramics. Prerequisite, graduate standing. A fee will be required if the work involves the use of laboratory materials or equipment. Hours and credits to be arranged.

Roberts, Daniels Corey, Wilson

- 221, 222, 223. Mine Development.—Preparation of a plan of development for a metal mine, including studies of the geological conditions, surface and underground explorations, mining methods, layout of plant. Prerequisite, graduate standing. Hours and credits to be arranged.
- 231, 232, 233. Mill Design.—Design of a plant for ore dressing purposes. Prerequisite, graduate standing. Hours and credits to be arranged. Roberts
- 241, 242, 243. Coal Mining.—Methods applicable to the solution of problems in the coal mining industry; higher recovery of minable coal; economical layout of mine and plant; application of improved methods and machinery. Prerequisite, graduate standing. Hours and credits to be arranged.
- 251, 252, 253. Coal Preparation.—Advanced study of methods of coal preparation based on careful preliminary studies of character of coal and impurities in any locality. Laboratory testing will be emphasized. Prerequisite, graduate standing. Hours and credits to be arranged.
- 261, 262, 263. Utilization of Coal.—Investigation of the possibilities of use of coals of low rank and quality. Briquetting, pulverization, and distillation will be given special attention. Prerequisite, graduate standing. Hours and credits to be arranged.

MINING AND METALLURGICAL RESEARCH

THE TROUNICAL STAFF OF THE UNITED STATES BUIEAU OF MINES NORTHWEST EXPREMENT STATION IN CO-OPERATION WITH THE INSTRUCTORS IN THE COLLEGE OF MINES

Class work will be directed by members of the instructional staff of the University. The research work is under the joint direction of the United States Bureau of Mines and the College of Mines. The subjects of research relate to the mining and metallurgical industries of the state and adjacent regions.

During the coming year investigations are contemplated in the following

subjects:

1. The preparation and utilization of coal.

Ceramics.

Electrometallurgy.

Music

Music Building

- Propessor Glen; Assistant Professors Dicket, Rosen, Venino, Wood: Instructors, Kirchner, Van Ogle, Adams, Tillet, French; Assistants, Ferriman, Benton, Wilson, Buech
- 1, 2, 3. Music Appreciation.—Planned to aid not only music students but also all interested in music to become intelligent and discriminating listeners. Musical masterpieces, both instrumental and vocal, of different periods and forms, will be presented and discussed. Two credits a quarter; autumn, winter, spring.

 Van Ogle, French
- (4) 5, 6. History of Music.—The progress of musical development from the primitive period to the modern. Two credits a quarter; autumn, winter, spring.

 French
- 7, 8, 9. Sight Singing.—For prospective grade supervisors and for music students. Two sections—one for beginners and the other for students who

have had some experience in sight singing. Two credits a quarter; autumn, Dickey, Wilson winter, spring.

- *10, 11, 12. Choral Study.—The university chorus provides the opportunity, for those qualified, to study the more serious as well as the lighter forms of choral composition. Candidates must satisfy the director as to the extent of their musical ability. One credit a quarter; autumn, winter, spring.
- 14, 15, 16. Ear Training and Melody Writing.—Principles of melodic invention and training in hearing accurately; study in notation. Two credits a quarter; autumn, winter, spring.
- 14D. Ear Training.—An intensive course for qualified students. Equivalent to Mus. 14, 15, 16. Five credits a quarter; autumn. French
- 17. Choral Study.—Part songs for men's voices. Candidates admitted only upon examination. Two credits; autumn.
 - 18, 19, 20. Applied Music (Freshman).
 - 68, 69, 70. Applied Music (Sophomore).
 - 118, 119, 120. Applied Music (Junior).
 - 168. 169. 170.—Applied Music (Senior).

Students of other colleges and schools may earn one or two credits a quarter in the applied music courses. Students of the College of Fine Arts carry a larger number of credits-one and one-half to three-as indicated in the set courses. Students enrolled in these courses will be given opportunity, upon demonstration of the required ability, to participate in the public recitals of the department.

Unless excused by reason of advanced standing upon entrance, students who major in courses in applied music will require two lessons a week, ordinarily, in order to cover the work necessary for a degree. One to three credits a quarter.

- Piano.—Venino, Van Ogle, Ferryman.
- (b)
- Violin.—Rosen.
 Voice.—Glen, Tilley
 Violoncello.—Kirchner. (c)
- Pipe Organ.-Burch.
- 22, 23, 24. University Band.—Competent players of band instruments are admitted to the band upon consent of the bandmaster. Two credits a quarter; autumn, winter, spring.
- 28, 29, 30. Ensemble Singing.—A choral course for women. Only advanced students will be admitted. One credit a quarter; autumn, winter, spring.
- 31, 32, 33. University Orchestra.—The orchestra affords to qualified students an opportunity for the study of the better grades of orchestral composition. No one is eligible to enter the course unless the director is satisfied of the ability of the applicant. One credit a quarter; autumn, winter, spring.
- 34, 35, 36. Voice Training.—Presenting the principles of correct breathing and tone production essential to good singing. Two credits a quarter; autumn, winter, spring.
- 51, 52, 53. Harmony.—Ear training, analysis, and keyboard practice. Prerequisite, Mus. 7, 8, 9, and 14, 15, 16. Three credits a quarter; autumn, winter, spring. Wood, Wilson

^{*}Only those who have successfully completed the work in course 11 will be eligible for registration in course 12.

- 51D, 52D. Harmony.—An intensive course for qualified students. Equivalent to Mus. 51, 52, 53. Prerequisite, Mus. 14. 15, 16, or 14D. Five credits a quarter; winter and spring. French
- 54, 55, 56. School Music.—A course for supervisors Prerequisite, Mus. 7, 8, 9, and 14, 15, 16. Two credits a quarter; autumn, winter, spring. Dickey
 - *57, 58, 59. Advanced Sight Singing.
- 101, 102, 103. Advanced Harmony.—Prerequisite, Mus. 51, 52, 53. Three credits a quarter; autumn, winter, spring. Wood, Wilson
- 104, 105, 106. History of Music, Advanced.—Detailed study of important periods and composers of modern music. Two credits a quarter; autumn, winter, spring.

 Van Ogle
- 107, 108, 109. Counterpoint.—The regulation of two or more simultaneous melodies. Prerequisite, Mus. 51, 52, 53. Two credits a quarter; autumn, winter, spring. Wood
- 110, 111, 112. Instrumental Form.—Analysis of many examples and simple exercises in composition. Prerequisite, Mus. 51, 52, 53. Two credits a quarter; autumn, winter, spring.

 Wood
- 113, 114. Music Education.—Psychological and pedagogical principles and their application to the teaching of music. Prerequisite, Mus. 54, 55, 56. Two credits a quarter; autumn, winter.

 Dickey
- 124, 125, 126. Chamber Music.—Advanced study of the musical literature for string trios, quartets and quintets. One credit a quarter; autumn, winter, spring.

 Rosen
- 127, 128, 129. Advanced Sight Singing.—Study of larger choral works. Prerequisite, Mus. 7, 8, 9, or instructor's permission. Two credits a quarter; autumn, winter, spring.
- 130, 131, 132. University Band (advanced).—Continuation of the work of the freshman and sophomore years in the study and production of more difficult compositions for band. One credit a quarter; autumn, winter, spring.

 Adams
- 151, 152, 153. Musical Appreciation.—An appreciative study of some modern composers and schools. Two credits a quarter; autumn, winter spring.

 Van Ogle
- 154, 155, 156. Music Education and Supervision.—For seniors and students of experience. High school, normal school and institute music. Prerequisite, Mus. 113, 114, and Educ. 160.N. Two credits a quarter; autumn, winter, spring.

 Dickey
- 157, 158, 159. Free Composition.—Choral work, piano accompaniment idioms, vocal and instrumental solos and pieces in the smaller forms. Pre-requisite, Mus. 101, 102, 103. Two credits a quarter; autumn, winter, spring.

 Wood
- 160, 161, 162. Polyphonic Forms.—Free counterpoint applied to the invention, cannon, fugue, etc. Analysis and composition. Prerequisite, Mus. 107-108-109. Two credits a quarter; autumn, winter, spring. Wood

NOTE:—For teacher's course in school music see department of education, Educ. 160-N.

Not offered in 1922-1923.

180, 181, 182. University Band (advanced).—Prerequisite, Mus. 130, 131, 132 or their equivalents required. One credit a quarter; autumn, winter spring.

Adams

College Courses in Applied Music

The courses outlined are not arbitrary. They indicate the amount and character of the work that the student is expected to cover for his musical degree. Credit will be given for equivalent courses pursued elsewhere prior to entering the University.

Students not wishing to offer work in applied music as a major, may receive credit for applied music work done under the supervision of others than the instructional staff of the department, upon satisfying departmental and University requirements by examination. This practice will be discontinued at the end of the year 1922- 1923. Approved equivalents of applied music courses in piano, voice and violin may also be credited.

PIANO

Scholarship in Piano Study.—Mr. A. F. Venino offers an annual scholarship to the candidate showing the greatest proficiency and promise in piano playing. This scholarship carries tree tuition for one weekly lesson throughout the autumn, winter and spring quarters. All candidates must submit their application in writing to Dean Glen before September 1. The competitive examination preliminary to the award will be held in the Music Building at 2 p. m. of the Saturday before registration day.

Freshman and Sophomore Years.—Major and minor scales and arpeggios; studies selected from Czerny, Cramer, Loeschorn, Kullak, Hiller and Krause; sonatos by Scarlatti, Haydn, Clementi, Mozart and Beethoven; shorter compositions and inventions by Bach; and works from the classic and romantic schools.

Junior and Scnior Years.—Scales in thirds, sixths and tenths; studies by Czerny, Clementi, Chopin, Brahms, MacDowell and Moszkowski; well-tempered Clavichord and suites of Bach; sonatas, pieces including at least one concerto, taken from the classic romantic or modern composers. At least one recital program must be played from memory from the repertoire studied.

VOCAL MUSIC

The course in vocal music is even more flexible than outlined for piano study. The purpose is to develop the voice and musical understanding so that the best in vocal music may be faithfully interpreted. The fact of having studied vocal music for four years will not necessarily entitle a student to graduation.

Freshman.—Practical work in voice placing, breathing studies from among the following: Concone, Op. 9; Marchesi, Op. 1; Panofka, Op. 85; Vaccai, Book I; simple Italian and English songs.

Sophomore.—Progressive tone work; Bordogni, Concone, Marchesi, Panofka, simple Italian arias, Italian and English songs.

Junior.—Tone work; advanced technique. Arias from Italian, French and German operas. German song classics; modern French and English songs.

Senior.—Tone work and technique. Repertoire in opera and oratorio; recitals; senior program.

VIOLIN

Freshman.—Violin Method, Book I, Rosen; Exercises Op. 45, Book I, Wohlfahrt; Book I, De Beriot; Exercises Op. 68.

Sophomore.—Scales, Hrimaly; Studies, Blumenstengel Op. 33, Mazas, Books I and II; Concerto, Accoly; Scene de Ballet, De Beriot.

Junior.—Scales, Book II, Baillot; Exercises, Books I and II, Schraedieck; Etudes, Kreutzer, Fiorillo, Rode, Rovelli; Concerto, 9 and 7, De Beriot; Concerto, 2 and 8, Spohr also one sonata by Handel.

Senior.—Scales, Rosen: Etudes, Dancla; Op. 73, Gavini; Op. 35. Dont; Sonata for violin alone, Bach; Concerto, Bruch, Mendelssohn, D-Minor, Wieniaski and No. 4 Vieuxtemps.

In the last quarter the student is obliged to memorize one sonata by Bach for violin alone and one of the concertos given in the fourth year.

FEES

Since most of the work in the courses in applied music must necessarily be of the character of individual instruction, the student will be required to pay tuition fees for this work in addition to the general University tuition fee.

All fees are payable in advance to the Comptroller of the University. The following quotations of regular fees are based on one lesson per week. More than one lesson per week will be charged for at the same rate. All lessons are one-half hour in length.

Piano.—Mr. Venino, \$22 a quarter; Mrs. Van Ogle, \$22 a quarter; Miss Ferryman, \$15 a quarter.

Vocal Music.-Miss Tilley, \$22 a quarter.

Dean Glen will give individual instruction in singing and repertoire to a maximum number of ten students. The fee will be at the rate of \$27 a quarter for one lesson weekly.

Violin.-Mr. Rosen, \$22 a quarter. Miss Benton, \$15 a quarter.

Pipe Organ.-Miss Burch, \$15 a quarter.

Band and Orchestra Instruments.-Mr. Adams, \$15 a quarter.

Arrangements may be made for individual instruction in other musical courses if necessary or desirable.

Piano for practice may be rented at the comptroller's office at the follow-

ing rates:

and a second second

One hour daily, \$3 a quarter.

Two hours daily, \$5 a quarter.

Pipe organ for practice; one hour daily, \$12.50 a quarter.
All rental charges must be paid in advance. No rebate in these charges will be allowed. Lessons lost through enforced absence may not be made up unless the teacher in charge has been previously notified of the intended absence and is willing to accept the excuse for the absence.

Nursing

Home Economics Hall Elizabeth S. Soule

1. History of Nursing.—Informational study of nursing from the earliest times; the traditions of nursing as a profession. Open to any woman student in the University. Five credits; autumn. Soule.

- 3. Ethics of Nursing.—A course designed to introduce the student to those recognized principles which govern her relationship to the patient, the physician, the hospital and the public. Three credits; spring.
- 5. Home Care of the Sick.—A practical course for women students. Instruction given in baths and bed making, care of patients ill with common contagious diseases, care of chronics, invalids and babies. Two credits; autumn, winter, spring.
- 51, 52, 53. Public Health and Special Fields.—Lectures on various phases of public health work in relation to special problems. Case plans discussed and study of records made. Two credits a quarter; autumn, winter, spring. Soule.
- 102. Principles of Public Health Nursing .- Lectures on social and nursing technique in public health nursing. Discussion and observation of infant welfare, school, industrial, tuberculosis, and general visiting nursing. Theoretical and practical work required. Prerequisite, graduate registered nurse. Three credits; autumn.
- 103. Administration of Public Health Nursing.—Course deals with the organization and administration of societies organized for visiting nursing, methods of collecting funds, boards of directors, and various committees of these associations, office equipment, records, vital statistics, and supervision of staff nurses will be dealth with. Prerequisite, Nurs. 102. Three credits; winter, spring.
- Public Health Nursing.—The field work is intended to give a practical knowledge of the entire field of public health nursing. Discussion of family problems, demonstration in nursing technique, culture taking, milk modification, maternity care, discussion of general district problems, current events, home visiting in relation to communicable diseases, including tuberculosis, sick and well babies, pre-natal cases, general visiting nurse work, free and pay cases and follow-up work of the schools. Prerequisite, Nurs. 102. Eight to sixteen credits; time to be arranged.

ORIENTAL HISTORY, LITERATURE AND LANGUAGES

Philosophy Hall

PROPESSOR GOWEN

The requirement of one year's work in ancient languages and literature may be satisfied by courses 50, 51 and 52. Courses 21, 22 and 23 count for credits in the department of history; courses 40, 41 and 42 in the College of Business Administration; and courses 114, 115 and 116 in the department of philosophy. Courses above 100 are for juniors, seniors and graduates.

- 21. History of China I.—History of China from the earliest times to the Manchu Conquest. Three credits; autumn. Gowen

 22. History of China History of China from the Manchu Conquest
- to the present day. Three credits; winter. Hall Gowen.
- 23. History of Japan from the earliest times to the present. Three credits; spring.
- 30-31-32. 'Semitic Literature.-A study of the literature of the Old Testa-Continuous through the three quarters, but each course independent and self-contained. One credit a quarter; autumn, winter, spring.
- 40-41. Oriental Institutions.—Japan, Russia, and China.—The physical geography, social character and commercial resources of the Orient. Hall for writer credits a quarter; autumn, winter.

50. Literature of India.—Five credits; autumn.

Gowen.

51. Literature of Egypt, Babylonia, and Palestine.—Five credits; winter.

Gowen.

52. Literature of Arabia and Persia.—Five credits; spring. Gowen. 4

160-101-102. Hebrew.—The giving of these courses depends upon registration. Five credits a quarter; autumn, winter, spring. Gowen.

104-105-106. Sanscrit.—The giving of these courses depends upon registration. Five credits a quarter; autumn, winter, spring.

107. Advanced Hebrew.-Five credits; autumn.

Gowen.

108, 109. Arabic.—Five credits; winter, spring.

Gowen.

114-115-116. History of Religion.—Autumn quarter—Primitive conceptions of religion, the religions of Egypt and the Euphrates valley. Winter quarter. The religions of the Far East. Spring quarter—Judaism, Muhammadanism, and Christianity. Three credits a quarter; autumn, winter, spring.

Gowen.

PAINTING, SCULPTURE AND DESIGN

Philosophy Hall

Instructors, Campbell, Rhodes; Associates, Patterson, Worman, Wehn; Assistants, Sargenson, Storm

Advanced students applying for credit must present work to head of department.

- 3. Principles of Design.—The principles of design in line, dark and light, and color. For students in home economics. Four credits; autumn, winter, spring.

 Sirgenson.
- 5-6-7. Free-hand Still Life and Cast.—The technique of drawing from elementary forms, with all mediums—water color, oil, pen, etc. Prerequisite for any subsequent course in drawing and painting; cast drawing from models of antique and modern sculpture, preparatory to drawing from living model. Lab. fee, \$2. Three credits a quarter; autumn, winter, spring.
- Patterson.

 9-10-11. Art Structure.—A. study of the principles of design in line, dark and light, and color, to develop power of appreciation and creation of good design. Prerequisite for any subsequent course in art structure. Lab. fee, \$2. Four credits a quarter; autumn, winter, spring.
- Edens, Sirgenson, Storm.

 16-17-18. Art Appreciation.—Historical development, from the art of primitive man to the present day. One credit a quarter; autumn, winter, spring.

 Rhodes.
- 53. Art Structure. Batike and tie-dyeing. Lab. fee, \$2. Four credits; autumn.
- 54. Art Structure.—Bookbinding and woodblock printing. Lab. fee, \$2. Four credits; winter. Storm.
 - 55. Art Structure.—Textile design. Lab. fee, \$2. Four credits; spring.
- 56-57-58. Illustration.—Drawing and painting, from the model in various mediums, for reproductive processes such as magazines, newspapers and commercial work. Prerequisite, freshman free-hand. Lab. fee, \$3. Three credits a quarter; autumn, winter, spring.

59-60-61. Household Design.—Designs for tiles, leaded glass, metal-works, fixtures and embroidery. Three credits a quarter; autumn, winter, Campbell

72-73-74. Sculpture—Clay Modeling.—Construction of plaster moulds, elementary construction; modeling in clay and wax. Lab. fee, \$3. Three credits; autumn, winter, spring. for Archeet up. Wehn.

101. Public School Drawing.—For drawing supervisors. The working

- out of such drawings as would be used in the public schools. Three credits; spring.
- 103-104. Art Structure.—Pottery.—Advanced students will be allowed to work for advanced credits. Lab. fee, \$2. Three credits a quarter; autumn, winter. 104 given fall fer A Dona hoe Worman.
- Art Structure.—Design as applied to lettering, advertising, and posters. Three credits; autumn. Rhodes.
 - 106. Art Structure. Posters. Three credits; winter. Rhodes.

107-108-109. Portrait.—Portraiture in all mediums .Prerequisite, freshman free-hand. Lab. fee, \$3. Three credits a quarter; autumn, 🔧 winter, spring. Patterson.

110-111-112. Art Structure.-Interior decoration. Three credits a quar---- Campbell. ter; autumn, winter, spring. Lacy

113-114-115. Furniture Design.—Lectures on the history of furniture and the working out of original designs in furniture, Two credits a quarter; ac4 -Campbell. autumn, winter, spring.

151-152. Landscape.—Interpretations of landscape in design. Three credits a quarter; winter, spring metalwork Rhodes:

160-161-162. Life.—Lab. fiee, \$3. Three credits a quarter; autumn, win-Patterson. ter, spring.

163-164-165. Mural Decoration.—Decorative compositions done in oil applied to the beautifying of wall spaces, in harmony with the scheme of architecture. Prerequisite, junior standing. Lab. fee, \$3. Three credits a

quarter; autumn, winter, spring. Mrs Ducasse _OK Patterson.
*166. Landscape! fall winter | EN. 5. EN.S.

169-170-171. Textile and Costume Drawing.—Two credits a quarter; autumn, winter, spring. Rhodes.

172-173-174. Interior Decoration.—Advanced problems in interior decoration in elevation and prospective. Five credits a quarter; autumn, winter, NOTE:—For teacher's course in methods of teaching art, see department of education, Educ. 160-P. Campbell.

1518189 4 3 cr. - nobles

PHARMACY AND PHARMACEUTICAL CHEMISTRY, MATERIA MEDICA AND FOOD CHEMISTRY

Bagley Hall

PROFESSOR JOHNSON; ASSOCIATE PROFESSOR OSSEWARD; ASSISTANT PROFESSOR LINN; INSTRUCTORS, GOODRICH, HILTON

1, 2, 3. Theoretical and Manufacturing Pharmacy.—Study of the principles of pharmaceutical operations, and manufacture of Pharmacopoeial and

^{*}Not offered in 1922-1923...

National Formulary preparations. Three lectures and two laboratory periods per week. Lab. fee, \$7.50 a quarter. Five credits a quarter; autumn, winter, spring.

Goodrich, Hlton.

- 4. Commercial Pharmacy.—A lecture course covering the commercial problems of the practical pharmacist. Two credits; spring.

 Osseward.
- 5, 6, 7. Drug Assaying.—Experiments in gravimetric and volumetric analysis are given with the idea of training the student in the fundamental principles of quantitative analysis, at the same time making them familiar with the analysis of substances of pharmaceutical importance. Alkaloid assay of crude drugs and assay of volatile oils are a part of the course. Two lectures and three laboratory periods per week in autumn and winter quarter. Two lectures and two laboratory periods per week in spring quarter. Five credits; autumn, winter. Four credits; spring. Lab. fee, \$7.50. Goodrich
- 9, 10, 11. Prescriptions.—Study of dispensing and laboratory practice. Students criticise and compound approximately two hundred selected prescriptions. One lecture and one laboratory period a week. Deposit \$3, a quarter. Two credits a quarter; autumn, winter, spring. Osseward.
- 12, 13. Materia Medica.—Study of crude organic drugs, their source, methods of collecting and preserving, identification, active constituents and adulterations. Three lectures a week. Three credits; winter, spring. Goodrich.
- 15. Field Materia Medica.—Study of the native medicinal plants of Washington and plants under cultivation in the drug garden. One laboratory period per week, consisting largely of work in the drug garden and field trips. Lab. fee, \$1. One credit; spring.
- Food Laws.—National, state and foreign food laws. For students in the department of fisheries. One credit; winter.

 Lynn.
- 101, 102, 103. Pharmacology and Toxicology.—The physiological actions of drugs in health and disease; the therapeutic uses and posology; symptoms and treatment in cases of poisoning. Two credits a quarter; autumn, winter, spring.

 Lynn.
- 105, 106, 107. Chemistry and Analysis of Food.—Methods of analysis of food products and the study of federal and state laws regulating the sale of foods and drug products. Methods of the Association of Official Agricultural Chemists are used. Lab. fee, \$7.50 a quarter. Five credits a quarter; autumn, winter, spring.

\$169, 110 Procomptions HE Wateria washing of Ch

- 113, 114, 115. Advanced Prescriptions.—Extensive practice in difficult and incompatible prescriptions, also a study of special problems in dispensing. Credit to be arranged. Deposit according to credit. Autumn, winter, spring.

 Osseward.
- 117, 118. United States Pharmacopoeia and National Formulary.—A study of the chemistry and pharmacy of the U.S.P. and N.F. preparations and inorganic chemicals. Two recitations a week. Two credits; autumn, winter.

 121, 122, 123. Toxicology.—Laboratory course in the separation, identi-
- 121, 122, 123. Toxicology.—Laboratory course in the separation, identification and estimation of inorganic and organic poisons and in the analysis of alkaloids. Laboratory deposit according to credit. Credit to be arranged; autumn, winter, spring.

 Johnson.

- 125, 126, 127. Current Problems.—Lecture and recitation course in current pharmaceutical problems, commercial and scientific. Use is made of the current number of most of the pharmaceutical journals published in the United States, also of several medical journals. One credit; autumn, winter, spring.

 Osseward.
- 129, 130, 131. Manufacturing Pharmacy.—Advanced course in pharmaceutical manufacturing, including the manufacture of some of the more difficult of the Pharmacopoeial and National Formulary preparations, as well as a number of organic and inorganic compounds used in pharmacy and medicine. Laboratory deposit according to credit. Credit to be arranged; autumn, winter, spring.

 Goodrich, Hilton.
- 201, 202, 203. Investigation.—Senior and graduate students may undertake some original investigation in pharmacy, pharmaceutical chemistry or chemistry of foods under the direction of one of the instructors. Laboratory deposit according to credit. Credit to be arranged; autumn, winterspring.

Рипозорну

Philosophy Hall

PROFESSOE SAVEEY; ASSISTANT PROFESSOE DUCASSE; INSTRUCTOR BLAKE; TRACHING FELLOWS AND ASSISTANTS

The Liberal Arts requirement is five credits in philosophy. This requirement may be satisfied by any one of the following courses: Philosophy 1, 2, 3, 5. (None of these has any prerequisites).

Philosophy 2 is required of seniors in the College of Business Adminis-

tration.

Philosophy 1, 2 and 5 are suited to arts-law students. Psychology 1 is required of majors in philosophy.

- 1. Introduction to Philosophy.—Five credits; autumn, winter, spring.
 Savery, Ducasse, Blake.
- 2. Introduction to Social Ethics.—Social ideals and problems, with special emphasis upon the opposition of democracy and aristocracy in government, industry, law, education, art, and religion. Five credits; winter. Savery and assistants.
- 3. Introduction to Ethics.—Ethical principles and their application to the problems of life. Five credits; spring.

 Blake and assistants.
- 5. Introduction to Logic. The conditions of clear statement, adequate evidence, and valid reasoning, and their establishment in the mental processes of the student. Five credits; autumn and winter.

 Ducasse.
- 101-102-103. History of Philosophy.—Ancient, medieval and modern. Three credits a quarter; autumn, winter, spring.
- 104-105-106. Metaphysics.—A course in metaphysics, with special reference to the concepts and principles of science. For advanced students in philosophy or in the physical or biological sciences. Three credits a quarter; autumn, winter, spring.

 Savery.
 - *113. Philosophy of Religion.

Oriental Lit. and Lang. 114-115-116. History of Religion.—Autumn quarter: primitive conception of religion, the religions of Egypt and the

^{*}Not offered in 1922-1923.

Euphrates Valley. Winter quarter: The religions of the Far East. Spring quarter; Judaism, Muhammadanism, and Christianity. Thee rcredits a quarter; autumn, winter, spring.

- 123. Philosophy in English Literature of the Nineteenth Century.—From Wordsworth to Shaw, Wells and Chesterton, and including Emerson, Whitman and Masters. (Alternates with Eng. 187 as requirement for seniors in the Library School.) Prerequisite, Phil. 1. Five credits; spring. Savery.
- 129. Esthetics.—The origin and motives of art and the esthetic principles of the different forms of art. Five credits; spring.

 Ducasse.
- 132. Social Ethics.—(Same as course 2). Social ideals and problems, with special emphasis upon the opposition of democracy and aristocracy in government, industry, law, education, art, and religion. Five credits; winter. Savery and assistants
- 133. Ethical Theory.—An advanced course in the fundamental concepts and principles of ethics. Prerequisite, Phil. 2 or 3. Two credits; spring.
- 141-142-143. Contemporary Philosophy.—A study of modern movements and controversies. Readings and discussions on such topics as pragmatism, the new intuitionism, mysticism, the philosophy of faith, fate and free will, mechanism and vitalism, materialism and idealism, the finite and infinite, the new realism, the nature of mind, relativity. Two credits a quarter, autumn, winter, spring.

 Blake.
 - *English 187. Philosophy in Contemporary Drama.

GRADUATE COURSES

211-212-213. Philosophy of Mathematics.—An account of symbolic logic and its relation to the remainder of mathematics. Open to students upon approval of instructor. Two credits a quarter; autumn, winter, spring.

Savery.

241-242-243. Plato and Aristotle.—Reading of the texts in translation, with discussion and interpretation. Two or three credits a quarter; autumn, winter, spring.

Blake.

247-248-249. Seminary. The Philosophy of Schopenhauer and Nietzsche.

The philosophy of the will. The will to live and the will to power. Contrast of Schopenhauer's pessimism and Nietzsche's affirmation of the value of life, Schopenhauer's doctrine of sympathy and Nietzsche's egoism, democratic and aristocratic codes of morality, the saint and the superman. Open to students upon approval of instructor. Two or three credits a quarter; autumn, winter, spring.

PHYSICAL EDUCATION AND HYGIENE FOR MEN Gumnasium

Assistant Professor Arbuthnot, Director; Professor Hall, University Health Officer

Requirements for Graduation.—All students, both men and women, are required to take a prescribed amount of directed physical training and hygiene or military science and tactics.

Military Training.—Requirements in military science and tactics take precedence over the requirements in physical education. (See Military Science and Tactics.)

^{*}Not offered in 1922-1923.

Physical Examination.—Upon entering college each student is given a physical examination. On the basis of their examination students are segregated in three divisions: A, B, and C.

All able bodied men shall satisfy all requirements in this department with two years of military science and tactics. Students exempt from military training for any reason must take the same number of hours in physical training.

- 1-2-3. Calisthenics and Gymnasium.—Introductory courses for freshmen. One and two-thirds credits a quarter; autumn, winter, spring. Arbuthnot.
- 16-17-18. Intramural Sports and Games.—For freshmen. One and two-thirds credits a quarter; autumn, winter, spring.
- 51-52-53. Calisthenics and Gymnastics.—For sophomores. One and two-thirds credits a quarter; autumn, winter, spring.
- 57-58-59. Intramural Sports and Games.—For sophomores. One and two-thirds credits a quarter; autumn, winter, spring.

PHYSICAL EDUCATION AND HYGIENE FOR WOMEN

Gymnasium

ASSISTANT PROFESSOE GROSS, DIRECTOE; INSTRUCTOE, AID; ACTING INSTRUCTOE, ANDERSON; LECTURER, IRWIN; ASSOCIATE, BLOOM; ASSISTANT, FORCILEMER

There are two kinds of classes in this department.

- a—Those required for graduation. All women, during the freshman year of college attendance are required to participate two hours a week in some form of healthful exercise; the sophomore year may be taken in the sophomore, junior or senior year. The kind of exercise is determined by the medical and physical examination, and the amount of physical education the student has had in accredited high schools. The course in Personal Hygiene is required of freshmen; the course in Nutrition and Food is required of sophomores. Ten credits, six in healthful and recreational exercise, two in Hygiene and two in Nutrition and Food, are required for graduation.
- 1. The policy of allowing the sophomore healthful exercise to be taken during the sophomore, junior or senior year, at the election of students, is a temporary one, adopted by the University on account of the congested conditions in the University gymnasium.
- 2. Women who do not take physical education during the sophomore year, will obtain written notices of deferrment from the head of the department and file these in the registrar's office.
- b—Those leading to a major in physical education in the College of Science, or in the School of Education.

Teachers well trained in all phases of physical education are in demand, the most frequent calls being for school supervisors and recreation leaders. Students interested in courses in recreation and community leadership should see announcement for School of Education.

Intranural Athletics.—Intranural contests, under the supervision and control of the department, are conducted in the following sports: baseball,

hockey, tennis, basketball, archery, field events, volley ball and golf. The Women's Athletic Association co-operates with the department in the conduct of these activities. All students are urged to come out for at least one sport.

Uniforms.—A uniform, consisting of serge tunic, white blouse and black gymnasium shoes is required of all students, and may be purchased at the University Book Store. The cost is \$12. No part of the uniform should be purchased before entering college.

Courses.—Courses 1-2-3 and 7-8-9 are open to freshmen who have had less than two years of physical education. Hygiene is required of all freshmen. Courses 10-11-12 are open to freshmen who have had two years or more of physical education. Courses 51 to 99 are open to sophomores who have had three quarters of freshman work. Courses 54-55-56, Food and Nutrition, is required of all sophomores. Courses 100 to 200 are open to all student who have the prerequisites; these courses carry academic credit.

- 1-2-3. Healthful Activities.—A general course, includes gymnastics, dancing, athletics. For students who have had less than two years in high school, two hours practice a week. One credit a quarter; autumn, winter, spring.

 Gross. Anderson, Forchemer.
- 4-5-6. Hygiene.—One hour of lecture. Two-thirds credit a quarter; autumn, winter, spring.
- 7-8-9. Corrective Gymnastics.—Two hours of practice. One credit a quarter; autumn, winter, spring.

 Bloom
- 10-11-12. Healthful Activities.—Gymnastics, dancing, and athletics. Open to freshmen who have had at least two years' physical education in high school. Autumn, winter, spring.

 Aid, Anderson.
- 13-14-15. Limited Healthful Activities.—Light gymnastics, the less strenuous games and athletic activities, the lightest forms of dancing. Open, upon the recommendation of the examining physician, to students for whom the regular classes are too strenuous. Two hours a week. One credit a quarter; autumn, winter, spring.
- 54-55-56. Food and Nutrition.—Food as related to health. Required of all second year women. One lecture a week. Two-thirds of a credit; autumn, winter, spring.

 Amery
- 57-58-59. Corrective Gymnastics.—Two hours of practice. One credit a quarter; autumn, winter, spring.
- 61-62-63. Dancing.—Two hours of practice. One credit a quarter; autumn, winter, spring.

 Aid, Forchemer
 - 64. Hockey.—Two hours of practice. One credit; autumn.

 Forchemer, Aid.
 - 65. Basketball.—Two hours of practice. One credit; winter.

Anderson.

- 67. Elementary Tennis.—Two hours of practice. One credits; autumn, spring.

 Anderson.
- 69. Advanced Tennis.—Prerequisite, Phys. Educ. 67. Two hours practice. One credit; autumn, spring.

 Anderson.
- 70. Rifle Shooting.—Two hours of practice. One credit a quarter; autumn, winter, spring.

•

- 75. Archery.—Two hours practice. One credit; spring. Aid.
- 81. Baseball.—Two hours practice. One credit; spring. Anderson.

- 82-83-84. Limited Healthful Activities.—A continuation of Phys. Educ. 13-14-15. For students for whom regular work is too strenuous. Two hours practice. One credit; autumn, winter, spring. Forchemer.
 - 87. Golf.—Two hours practice. One credit; autumn, winter, spring.

 Jefferson.
 - 88. Advanced Golf.—Prerequisite, Phys. Educ. 87. One credit; spring.

 Jefferson.
- 101-102-103. Methods of Gymnastics.—Drill in gymnastics. Gymnastic terminology and survey and classification of gymnastic material. Natural gymnastics. Principles and technique of teaching. Prerequisites, or accompanying courses, Anat. 101-102 and Physiology 54-55. Two hours lecture and two hours practice a week. Three credits a quarter; autumn, winter, spring.
- 104-105-106. Methods of Folk Dancing.—Dances of the nations arranged for teaching in schools. Technique, methods of teaching, relation of music to dancing; costuming, school festivals, etc. Prerequisite, 1 year of dancing or Phys. Educ. 111-112-113. One hour lecture and two hours practical work a week. Two credits a quarter; autumn, winter, spring. Gross.
 - *109. History of Physical Education.
- 111-112-113. Plays and Games.—Nature, function and theory of play. Singing games, dramatic plays, graded games, organization and administration of playgrounds, conduct and equipment of play centers. Play in education and civic life. Commercial and municipal recreation and agencies promoting activity. Administration of athletics. One lecture and three hours practical work a week. Three credits a quarter; autumn, winter, spring.

 Gross.
- 131-132-133. Theory and Practice in Corrective Gymnastics.—Study of deviations from the normal, remedial gymnastics and application of exercises for correction, kinesiology. Two hour lectures and four hours practice. Prerequisites, Anat. 101-102 and Physiology 54-55. Four credits a quarter; autumn, winter, spring.
- 152. Administration of Physical Education.—Study of curricula for grades and high schools; school administration. Value of various types of activities. Prerequisite, Phys. Educ. 101-102-103, and 104-105-106. Two credits a quarter; winter.
- 153. Methods in Health Instruction.—Material and methods in teaching hygiene in the grades. Two hours a week. Two credits; spring. Gross.
- 154-155-156. Natural Dancing.—Prerequisite, Phys. Educ. 104-105-106. Technique of natural dancing, based on natural movements. Composing of dance dramas. One hour lecture and two hours practice. Two credits a quarter; autumn, winter, spring.
- 161. Normal Diagnosis.—Diagnosis of the normal and deviations from the normal. Prerequisite, Anat. 101-102 and Physiography 54-55. Two credits; spring.
- 167. Hockey Coaching.—Methods of coaching hockey. Prerequisites, Psych. 1, and knowledge of and participation in hockey. One hour lecture and two hours practice. Two credits; autumn.

^{*}Not offered in 1922-1923.

- 169. Tennis and Archery Coaching.—Prerequisite, Psych. 1. One hour lecture, two hours practice. Two credits; spring.

 Anderson, Aid
- 170-171-172. Advanced Athletic Coaching.—Coaching in basketball, baseball. Students will take charge of classes in sports. Prerequisite, Psych. 1, Educ. 101 and knowledge of game. One hour lecture and two hours of practice. Two credits; autumn, winter, spring.

 Anderson.
- 174. Teachers' Course in Swimming.—Methods of teaching strokes during life saving. The construction and hygiene of the pool. Methods of filtration and general organization. Y.W.C.A. pool. Lab. fee \$2. One credit; winter
- 179. Public Recreation.—Problems in civic and community recreation with practice in field houses and playfields. Prerequisites, Phys. Educ. 104-105-106 and 111-112-113. Three credits; winter. Gross.

 Note:—For course in Anthropometry and Blometrics, see department of sociology. Soc. 163.

For teachers' course in physical education, see department of education, Educ. 160-R.

PROFESSOR OSEORN: ASSOCIATE PROFESSOR BRAKEL: ASSISTANT PROFESSOR ANDERSON; INSTRUCTORS, UTTERBACH AND ELLER; DEMONSTRATOR, HIGGS

- 1-2. General Physics.—Courses 1-2 will satisfy the physical science requirement in the colleges of Liberal Arts and Science. Prerequisite, high school physics or 47, 48, 49. Lab. fee, \$2.50. Five credits a quarter; autumn, winter.

 70 architecture students only 4 fire, Osborn.
- 3. General Electricity.—Required of physics majors; of mathematics majors taking physics as a minor, and of all pre-medical students. Prerequisite, Phys. 1-2. Lab. fee, \$2.50. Five credits; spring. Osborn.
- 47-48-49. High School Physics.—For students without any physics, these courses will satisfy the physical science requirement in colleges of Liberal Arts and Science and the entrance requirement in other colleges. Lab. fee, \$2.50. Five credits a quarter; autumn, winter, spring.
- 50-51. Sound and Music.—For fine arts students only. Lab. fee, \$2.50. Five credits a quarter; winter, spring.

 Anderson.
- 54. Photography for Amateurs.—Open to students who have had elementary physics or chemistry. Lab. fee, \$5.00. Three credits; spring. Higgs.
- 89-90. Physics of the Home.—For home economics students. Lab. fee, \$2.50. Five credits a quarter; autumn, winter.

 Osborn.
- 97. Physics for Engineers.—Mechanics. Prerequisites high school physics or 47-48-49, and fifteen hours of mathematics. Lab. fee, \$2.50. Five credits; autumn, winter or spring.

 Brakel.
- 98. Physics for Engineers.—Electricity. Prerequisite, Phys. 97. Lab. fee, \$2.50. Five credits; autumn, winter or spring.

 Brakel, Anderson, Utterbach.
- 99. Physics for Engineers.—Heat, light. Prerequisite, Phys. 97. Lab. fee, \$2.50. Five credits; autumn, winter, spring.

 Brakel, Anderson, Utterbach.

- 101. Modern Physics Theories.—Prerequisite, Phys. 3. Five credits; autumn.

 Anderson.
 - *102. Mechanics.
- 103. Heat.—Prerequisite, Physics 2. Lab. fee, \$2.50. Five credits; winter.

 Utterbach.
- 105. Electricity.—Prerequisites, Physics 3 and ten hours of mathematics. Five credits; winter.

 Brakel.
- 113. Acoustics and Illumination.—A course for students in architecture. Prerequisite, Physics 2. Lab. fee, \$2.50. Four credits; spring. Osborn.
- 126. Physics of AC and DC Circuits.—Prerequisite, Phys. 105. Lab. fee, \$2.50. Five credits; spring.

 Brakel.
- 160. Light.—Prerequisite, Physics 2, and ten hours of mathematics. Lab. fee, \$2.50. Five credits; spring. Osborn.
- 169. Special Problems.—Students admitted after consultation with instructors. Credit arranged; autumn, winter, spring.
- 170. Spectroscopy.—Prerequisite, Phys. 2 and ten hours of chemistry or astronomy. Lab. fee, \$2.50. Three credits; spring or autumn. Osborn.
 - *175. High Temperature Measurements.
- 180. Vibratory Motion and Sound.—Prerequisite Phys. 102 and calculus. Lab. fee, \$2.50. Five credits; winter. Osborn.

GRADUATE COURSES

- 201, 202. Dynamics.—Three credits; autumn. Two credits; winter.
- 203, 204. Theoretical Electricity and Magnetism.—Two credits; autumn. Three credits; winter. 20 & fer Eller in Waster.
 - 206. Advanced Optics.—Three credits; spring. Osborn.
 - 209. Thermo-dynamics and Kinetic Theory.—Two credits; spring.
 Utterbach.
 - 210. Seminar.—Credits arranged; autumn, winter, spring.
 - 212. Investigation.—Credits arranged; autumn, winter, spring.

POLITICAL SCIENCE

Philosophy Hall

PROFESSOR J. ALLEN SMITH; INSTRUCTOR LAUBE

The work in the department of political science is designed to give a scientific account of the activities of the state and of the functioning of the electorate and legislative bodies in determining state action. Some of the courses are planned to give that knowledge of public affairs which ought to be part of a liberal education, while others lead to a special study and inves-

^{*}Not offered in 1922-1923.

tigation of problems and methods in the different branches of the government. The aim is to train the powers of observation and reasoning, to develop correct methods of research, and to apply the knowledge gained to the solution of practical problems.

1. Elements of Government.—Introductory course in which special attention is given to the citizen's part in government. Syllabus fee, \$1. Five credits; autumn, winter or spring.

Comparative Government.—The constitutional organization of the principle governments of Europe; with emphasis on political parties and current questions. Prerequisite, Pol. Sci. 1. Five credits; winter. Laube

- 52. Political Parties .- Organization and methods of modern political parties; growth and theory of the party system. Prerequisite, Pol. Sci. 1. Three credits; spring. Laube
- 60. Public Finance and Taxation.—Prerequisite, Pol. Sci. 1 and Econ.
 - Five credits; autumn.

 [Laube | Problems in Taxation.—With special reference to the state of I automation. Washington. Prerequisite, Pol. Sci. 60. Three credits; winter. Laube
- 62. Municipal Finance.—Prerequisite, Pol. Sci. 60. Three credits; Laube spring.
- 100. Municipal Government.-Municipal organization and administration in the United States and Europe with some consideration of functions and problems. Prerequisite, Pol. Sci. 1. Five credits; autumn. Laube
- Municipal Problems.—Problems of city government, with special attention to municipal utilities. Prerequisite, Pol. Sci. 1. Three credits; P. Richardson - fall Laube winter.
- International Politics.—Prerequisite, Pol. Sci. 1. Three credits: 111. spring.
- 120. Governmental Functions.—A study of regulation with reference to individual liberty; the individualistic and the socialistic theory of governmental functions; influence of political democracy on state interference. Open to upper division students who have had eight hours in political science, and to graduates. Three credits; autumn.
- 130. American Government.—A general study of the American system of national government. Prerequisite, Pol. Sci. 1. Three credits; winter.
- 131. State Government.—A general study of the American system of state government. Prerequisite, Pol Sci. 1. Three credits; spring.
- 150, 151, 152. Reading Course.—Discussions based on selected readings in political theory. Prerequisite, junior standing and eight credits in political science. Two credits a quarter; autumn, winter and spring. Smith
- 181, 182, 183. Research in Public Finance.—Prerequisite, Pol. Sci. 60. Two credits a quarter; autumn, winter and spring. Time to be arranged. Laube
- 201, 202, 203. Seminar in Political Theory.—Topic for 1922-1923: Political Decisions of the United States Supreme Court. Two to five credits. For graduates only. Autumn, winter and spring.

Norm:-For the teachers' course in political science see department of education, Educ. 160-0.

Psychology

Philosophy Hall

PROFESSOR SMITH; ASSISTANT PROFESSOR GUTHRIE; INSTRUCTOR WILSON;
ASSISTANT, MISS WILKINSON

Students in the College of Liberal Arts, as well as the students in the College of Science, may major in psychology.

The Liberal Arts requirements are five credits in psychology.

For psychology as prerequisite to education, see announcement of department of education.

Majors in psychology may count five hours in Phil. 1, or in 101-102-103 toward satisfying their major requirement.

- 1. General Psychology.—A survey of the science as a whole. No prerequisites. Three lectures, one discussion section, and one 2-hour laboratory a week. Five credits; course repeated every quarter. Wilson, Smith, Guthrie
- 101. Physiological Psychology.—Man's behavior viewed as a result of his neurological mechanism. Students who so desire will be offered an opportunity for individual work in dissection and microscopic study. Prerequisite, Psych. 1. Three credits; winter.
- 106. Experimental Psychology.—Students receive training in laboratory methods, are made familiar with the more important kinds of psychological apparatus, and parform many of the classical experiments in psychology. Prerequisite Psych. 1. Three credits; spring.

 Guthrie
- 109. Mental Tests.—Training in applying tests for intelligence and for mental analysis. The principles of experimental procedure, methods of measurement, the preparation of tests and statistical treatment of results. The course is essential to work in clinical psychology. Prerequisite, ten credits in psychology. Three credits; spring.
- 111. History of Psychology.—The origin and development of psychology, beginning with the primitive conceptions of mind, and including a comprehensive view of the sources of scientific psychology. Prerequisite, Psych. 1. Two credits; autumn.
- 112. Modern Psychological Theory.—A criticism of psychological theories in the light of recent experimental findings. Prerequisite, Psych.
 1. Three credits; spring. Guthrie
- 114. Current Psychological Literature.—This course offers each student the opportunity of reading and discussion in the direction of his particular interests, and at the same time makes him familiar with a wide range of subjects treated in recent journals and with the new developments in psychology. Prerequisite, Psych. 1. Two credits; winter. Guthrie
- 116. Animal Behavior.—The mind of animals as shown by their behavior under natural conditions and in the laboratory. Prerequisite, Psych.

 1. Three credits; autumn. Wilson
- 118. Folk Psychology.—A psychological study of social human nature, language, custom, public opinion, morals, war, family, caste, nationalism, religion. Prerequisite, Psych. 1. Two credits; autumn. Guthrie

- 121. Applied Psychology.—Psychology as applied to personal efficiency, vocational guidance and the measurements of vocational fitness, scientific management, the psychology of advertising, legal testimony and the mental states affecting its reliability. The significance of sex and individual differences in practical life. Prerequisite, Psych. 1. Five credits; winter. Wilson
- 124. Psychology of Learning.—The principles of learning and the transfer of training. Prerequisite, ten credits in psychology. Two credits; spring.

 Smith
- 126. Abnormal Psychology.—The explanation of unusual behavior.

 Prerequisite, ten credits in psychology.

 Guthrie
- 131. Child Psychology.—A study of mental development from infancy to adult age with the purpose of giving the student a scientific understanding of childhood. Prerequisite, Psych. 1. Three credits; autumn. Wilson
- 132. Psychology of Exceptional Children.—The nature and cause of mental defects and peculiarities of children with special reference to methods of diagnosis and to physical pathology. Prerequisite, Psych. 1. Three credits: spring.
- 151 152, 153, 154. Undergraduate Research.—Prerequisites, course 1 and 106. Each quarter. Smith, Guthrie, Wilson

GRADUATE COURSES

Before a student registers for graduate courses his topic of research must be approved by the department.

201, 202, 203, 204. Graduate Research.

Smith, Guthrie, Wilson

Seminar.—Open to students doing research in the department. Weekly meetings on Monday evening.

PUBLIC SPEAKING Denny Hall (See Dramatic Art)

ROMANIC LANGUAGES AND LITERATURE

Denny Hall

PROFESSORS FREIN, ORER, UMPHEDY; ASSOCIATE PROFESSORS PATZER, GOGGIC; ASSISTANT PROFESSORS HELMLINGE, DEVRIES; INSTRUCTORS WHITTLESHY, DE SOLENNI; ASSOCIATES HAMILTON, J. MERGIER; TEACHING FELLOWS, FOSTER, JONES, G. MERGIER.

Students entering with high school credits in French or Spanish will be admitted to classes upon the basis of one high school semester counting as the equivalent of one University quarter. Exceptional cases will be determined by the head of this department.

Students may not begin French 1 and Spanish 1, (nor Italian), during the same quarter, and it is better to have three quarters of one Romanic language before beginning another. If the entrance requirement in foreign language has not been fulfilled, no credits will be given for courses 1, 2, 3, 4, and 7 in any of the Romanic languages. Freshmen and sophomores may enter any advanced course (100 to 200) for which they have the prerequisites.

I. FRENCH

Requirements of the department.—Courses 41, 101, 102, 103, 158, 159, Ed160-T, and at least nine credits in literature are required of majors and those who wish to be recommended to teach.

- 1-2-3. Elementary.—As much as possible French will be used in the class room. Each of the courses 1, 2, 3, is repeated each quarter. No credits will be given for French 1 until 2 has been completed. Five credits a quarter; autumn, winter, spring.
- 4, 5, 6. Reading of Modern Texts.—Each of the courses 4, 5, 6, is repeated each quarter. French 4 may be combined with 7, making a five-hour course. The same is true of 5 and 8, 6 and 9. Prerequisite to French 4 is 3, or equivalent. Three credits a quarter; autumn, winter, spring.
- 7, 8, 9. Grammar and Composition.—These courses must be taken by those who intend to major in French, unless they have already done the equivalent in high school. French 7 may be combined with 4. The same is true of 8 and 5, 9 and 6. Prerequisite to French 7 is 3, or equivalent. Two credits a quarter; autumn, winter, spring.
- 41. Phonetics.—This course is intended to furnish the student an opportunity to acquire a reasonably correct pronunciation, and to bring more order out of what seems a mass of exceptions. Prerequisite, French 3. Three credits; repeated each quarter.
- 71, 72, 73 or 111, 112, 113. 'Scientific French.—For students in science courses; reading in their special lines will be assigned by the head of their department, but the examinations will be given by this department. Credits according to work done.
- 101, 102, 103. Composition and Conversation.—With each of these courses is offered (at the same hour, but not on the same days) a course in advanced reading under the same instructor. See French 104, 105, 106. Prerequisites, French 6 and 9. Three credits a quarter; autumn, winter, spring. Patzer, Helmlingé, Goggio, De Vries, Whittlesey
- 104, 105, 106. Advanced Reading.—These courses are planned so that they may be taken with 101, 102, 103. Courses 101 and 104, 102 and 105, 103 and 106 may be taken together as five hour courses. The instructor will give occasional talks in French, upon the authors read, the interesting literary, social and other topics of their day, so as to prepare the student to enter courses given by lectures in French. Prerequisite, French 6. Two credits a quarter; autumn, winter, spring.

Patzer, Goggio, Helmlingé, De Vries, Whittlesey

- 107, 108. Themes.—Writing of original compositions upon assigned topics. Prerequisite, French 103. Two credits a quarter; winter, spring.

 Helmlingé
- 115, 116, 117. Survey of French Literature.—Lectures in English, and collateral reading of English translations. Those who have studied French sufficiently will be assigned French texts to read. No prerequisites. Three credits a quarter; autumn, winter, spring.

 De Vries
- 121. The French Novel.—Lectures in French on the history of the novel from its beginning. Assigned reading and reports. Prerequisite, French 101 or equivalent. Five credits; autumn. Patzer.
 - *124, 125. The Short Story.
- 131, 132. Lyric Poetry.—Study of the best lyrics since the fifteenth century with especial emphasis upon the nineteenth century. Rules of versification. Prerequisite, French 104. Three credits a quarter; winter, spring. Helmlingé.

^{*}Not offered in 1922-1923.

- 141, 142. The French Drama.—Lectures in French on the history of the French drama from its beginning. Assigned reading and reports. Pre-requisite, course 101 or equivalent. Five credits a quarter; winter, spring.

 Patzer.
- 151, 152, 153. History of the French Literature of the Nineteenth Century.—Lectures in French, and assignments of reading to be done outside of class. Intended to give an opportunity to hear French spoken connectedly, though slowly. Students may enter at the beginning of any quarter. Prerequisite, French 6 and 9, or equivalent. Two credits a quarter; autumn, winter, spring.

 De Vries.
- 158, 159. Advanced Syntax.—A study of French syntax from the teacher's standpoint. These courses are prerequisite to the teachers' course. Prerequisite, French 103. Two credits a quarter; autumn, winter.
 - *161, 162. History of the French Literature of the Eighteenth Century.
 - *171. History of the French Literature of the Seventeenth Century.

GRADUATE COURSES

- 201, 202, 203. Middle and Sixteenth Century.—The masterpieces of the fourteenth, fifteenth and sixteenth centuries will be read, and their influence upon later French literature studied. Open to graduates and seniors who have studied French at least four years. Two credits a quarter; autumn, winter, spring.

 Frein.
- 210, 211, 212. French Criticism.—Exposition of the several theories by which French critics have tested literature. Prerequisite, a good knowledge of French or English literature. Course given in English. Two credits a quarter; autumn, winter, spring.

 De Vries.
- 221, 222, 223. Old French Readings.—One of the most helpful courses for teachers of French. Open to graduates and seniors who have studied French at least four years. Three credits a quarter; autumn, winter, spring.

 21, 212, 233. History of Old French Literature.—Lectures and assigned
- 231, 232, 233. History of Old French Literature.—Lectures and assigned readings. Open only to those who can read Old French. Three credits a quarter; autumn, winter, spring.
- *241, 242, 243. French Historical Grammar.

NOTE—For teachers' course in French, see department of education, Educ. 160.T.

II. ITALIAN

Requirements of the department: No student will be allowed to begin Italian and French or Spanish the same year. Beginning with 1923-1924 enough courses will be offered for a major in Italian.

- 1-2-3. Elementary.—No credit will be given for Ital. 1 and 2 until course 3 has been completed. Five credits a quarter; autumn, winter, spring.

 Goggio.
- 107, 108, 109. Modern Italian Literature.—Prose and poetry of the eighteenth and nineteenth centuries. Lectures and collateral reading. Composition. Prerequisite, Ital. 3. Two to five credits a quarter; autumn, winter, spring.
- *121, 122, 123. The Italian Novel.

- 181, 182. Dante.—In this course the Divine Comedy of Dante will be read and studied with the purpose of bringing out the character of the imaginative and philosophical ideas contained in it, and the relations of these ideas to medieval thought. Knowledge of Italian not necessary. Two credits a quarter; autumn and winter.
- 184. Renaissance Literature of Italy.—In this course stress will be laid upon the works of Petrarch and Boccaccio especially, and on those of Machiavelli, Castiglione, Ariosto, Cellini, and Tasso. Lectures in English and collateral reading. Knowledge of Italian not necessary. Two credits; spring. Goggio.

GRADUATE COURSE

201. Research in Italian Literature.—For graduates only. The number of credits will be determined by the amount of work done. Goggio.

III SPANISH

Requirements of the department: Span. 159, 101, 102, 103, Educ. 160. u, and at least 9 credits of literature are required of majors and of all who wish to be recommended as teachers. Freshmen and sophomores may enter any course for which they have the prerequisites.

- 1-2/3. Elementary.—No credit will be given for course 1 until course 2 has been completed. Each of the courses 1, 2, 3 is repeated each quarter. Five credits a quarter; autumn, winter, spring.
- 4, 5, 6. Reading of Modern Authors.—Reading of some of the best works of the nineteenth century. If desired, courses 4, 5, 6 may be combined with 7, 8, 9 making a five-hour course each quarter. Prerequisite to 4 is 3, or equivalent. Three credits a quarter; autumn, winter, spring.
- 7/8, 9./ Grammar, Composition, Conversation.—These courses may be combined with courses 4, 5, 6, making a five-hour course. Prerequisite to Span. 7 is 3. Course 7 is prerequisite to 8. Two credits a quarter; autumn, winter, spring.
- 101, 102, 103. Advanced Composition.—Prerequisite, Span. 9. Three credits a quarter; autumn, winter, spring. Goggio.
- 112. Commercial Spanish. Commercial terms and business correspondence. Prerequisite, Span. 9, five credits; spring. Solenni.
- 115. Survey of Spanish Literature.—Selected texts, collateral reading, lectures. Prerequisite, Span. 6. Five credits; spring. Umphrey.
 - *121, 122, 123. The Novel.
 - *131, 132. Lyrics and Ballads.
- 141, 142, 143. Drama.—A systematic study of the drama in Spain, from its beginnings. The autumn quarter covers the early period and the sixteenth century; the winter quarter the Golden Age; the spring quarter the nineteenth century and early twentieth. Representative plays are read in class, others are assigned for outside reading and reports. Prerequisite, Span. 6. Three credits a quarter; autumn, winter, spring. Umphrey.
- 159. Advanced Syntax.—Problems in syntax studied from the teacher's standpoint. Prerequisite, Span. 101, 102. Three credits; spring. Ober.

^{*}Not offered in 1922-1923.

184, 185, 186. Spanish American Literature.—Representative writings of Spanish American authors. Collateral reading and reports. Lectures. Prerequisite, Span. 6. Two credits a quarter; autumn, winter, spring. Umphrey.

GRADUATE COURSES

- 221. Old Spanish Readings.—Reading and linguistic study of the Poema de mio Cid and other old Spanish texts. Five credits, autumn. Umphrey.
- 231. Epic Poetry.—Study of the epic material in Old Spanish literature and its later treatment in poetry and drama. Topics are assigned for special investigation and report. Five credits; winter.

 Umphrey.
 - 241. Spanish Historical Grammar.—Five credits; spring. Umphrey.

NOTE:—For teachers' course in Spanish, see department of education, Educ. 160-U.

For courses in Comparative Philology, see the department of Scandinavian Languages and Literature.

Mark A. L. C.

SCANDINAVIAN LANGUAGES AND LITERATURE

Denny Hall

PROFESSOR VICKNER

- 1-2-3. Elementary Swedish.—Grammar and reading; composition and conversation. Course, 1, 2, 3, are so arranged that they may be taken with 4, 5, 6 making a five-hour course. Three credits a quarter; autumn, winter, spring.

 Vickner.
- 4-5-6. Swedish Reading Course for Beginners.—Reading of easy texts. Supplementary to courses 1, 2, 3, but may also be taken separately by students desiring a reading knowledge of Swedish with a minimum of grammatical study. No previous knowledge of Swedish necessary. Especially adapted to meet the needs of students in the Colleges of Science, Education, Business Administration, and Library School. Two credits a quarter; autumn, winter, spring.

 Vickner.
- 10-11-12. Elementary Norwegian-Danish.—Grammar and reading; composition and conversation. Courses 10, 11, 12, are so arranged that they may be taken with 13, 14, 15, making a five-hour course. Three credits a quarter; autumn, winter, spring. Vickner.
- 13-14-15. Norwegian-Danish Reading Course for Beginners.—Reading of easy texts. These courses are supplementary to 10, 11, 12, but may also be taken separately by students desiring a reading knowledge of Norwegian-Danish with a minimum of grammatical study. No previous knowledge of Norwegian-Danish necessary. Especially adapted to meet the needs of students in the Colleges of Science, Education, Business Administration and Library School. Two credits a quarter; autumn, winter, spring. Vickner.
- 20-21-22. Norwegian-Danish Literature.—Representative authors are read in connection with a survey of the Norwegian-Danish literature. Prerequisite, ability to read easy Norwegian-Danish. May be entered at the beginning of any quarter. Two credits a quarter; autumn, winter, spring. Vickner.
- 23-24-25. Swedish Literature.—Representative authors are read in connection with a survey of the Swedish literature. Prerequisite, ability to read easy Swedish. May be entered at the beginning of any quarter. Two credits a quarter; autumn, winter, spring.

 Vickner.
- 40, 41, 42. Great Scandinavian Writers in English Translation.—The reading and discussion of significant works of recent Scandinavian litera-

ture; papers; lectures on the social, political and cultural life of Scandinavia. May be entered at the beginning of any quarter. Five credits a quarter; autumn, winter, spring.

103, 104, 105. Recent Swedish Writers.—Representative writers of the nineteenth and twentieth centuries are read, including Strindberg, Fröding, Selma Lagerlöf. Study of cultural movements and social problems of modern Sweden. May be entered at the beginning of any quarter. Two credits a quarter; autumn, winter, spring.

106, 107, 108. Recent Norwegian-Danish Writers.—Representative writers of the nineteenth and twentieth centuries are read, including Ibsen, Björnson, Kielland, Jacobsen, Drachman. Study of cultural movements and social problems of modern Norway and Denmark. May be entered at the beginning of winter or spring quarter. Two credits a quarter; autumn, winter, spring.

109, 110, 111. Study of Modern Scandinavian Authors in English Translation.—A study of Ibsen, Björnson, Strindberg and Selma Lagerlöf the main feature of the course. A brief survey of Scandinavian culture and literature. Open to all. No knowledge of the Scandinavian languages necessary. May be entered at the beginning of winter or spring quarter. One credit a quarter; autumn, winter, spring.

180, 181, 182. Recent Scandinavian Literature in English Translation.—
The principal writers of recent Scandinavian literature will be read with special attention to literary and social movements and to the interrelation of English and Scandinavian literature. Lectures, reports, and discussion. For advanced students. May be entered at the beginning of any quarter. Two credits a quarter; autumn, winter, spring.

Vickner.

*201-202. Old Norse, Scandinavian and Comparative Philology.

*203. History of the Swedish Language.

*205-206. Scandinavian Literature in the Nineteenth Century. Vickner. 91001 for M. Ri88 -fall winter
*209. History of Scandinavian Literature. Vickner.

COMPARATIVE PHILOLOGY

190-191. Introduction to the Science of Language.—A study of the general principles of linguistic development with special reference to English. Lectures and discussions. Prerequisite, some knowledge of one of the classical languages and of one modern foreign language or Old English. Two credits a quarter; autumn, winter.

192. Life of Words.—Etymology and semasiology; growth of vocabulary; word values. Lectures, discussions and exercises. Prerequisites; same as for courses 190-191. This course is a continuation of 190-191, but may be taken separately. Two credits a quarter; spring.

SOCIOLOGY

Philosophy Hall

PROFESSOR WOOLSTON; ASSOCIATE PROFESSOE MCKENZIE; ASSISTANT PROFESSOR SPIER; ASSOCIATE, MCCABE

Sociology treats of the development, organization and functions of human groups. Its general purpose is to explain the relations of institutions;

^{*}Not offered in 1922-1923.

to stimulate a critical and constructive attitude toward programs of reform and to furnish a sound basis of information for intelligent citizenship. Its practical outcome lies in preparation for advanced study, field investigation, teaching and administration in such lines as community and industrial welfare, law, diplomacy, journalism, public health and institutional management; and also in supplementing the specialized training along such lines.

Sociology is related to many problems treated in biology, psychology, history, economics, politics, education, home economics, literature and philosophy. Students chosing sociology as a major or minor subject are urged to consult members of the department staff regarding their elections. Work in other departments may be essential for success in this field, and may, when approved, be credited toward advanced requirements.

The following basic and supplementary courses are particularly recommended:—Math. 13, Zool. 16, 17, Psych. 109, 118, Home Econ. 109, 126, Econ. 61, 161, 162, 166, Pol. Sci. 100, Hist. 131, 149, English 73, 74, 75, 136, 137, 138, 141, 142, 164, 165, 166, Phil. 2.

Students are advised to postpone work in sociology until lower division requirements in biology, psychology, economics, and political science are completed. Sociology 1 or its equivalent is prerequisite throughout, and satisfies minimum requirements in this subject. The following are fundamental for advanced work and should be taken by major students before electing special lines: Courses 29, 52, 55, 56, 60.

Further work is arranged along these lines:

(1) Anthropology deals with the history of civilizations and its applications to race problems. Courses 51 and 52 present a general foundation: course 101 is a systematic upper division introduction. Suggested elections: course 92 for history students, 141 for English, 143 for fine arts, and 163 for biblogical sciences.

(2) Social Problems and Methods of Reconstruction offers prevocational instruction leading to three general lines of social work, for which the following courses are especially recommended:

A. Case Work: courses 57, 58, 155, 171-172-173.

B. Institutional Methods: courses 61, 156, 157.

C. Community Organization: courses 58, 62, 63, 105, 160, 182.

(3) Social Theory and Methods of Investigation offers preliminary training and background for vocational use as follows:

Teachers of Social Science: courses 150, 170, 161, 181.

Social Investigation: courses 29, 60, 130, 163.

For a major in sociology 36 credits are required. Upper division courses should not be elected before completing such elementary work as instructors in special fields may suggest. Courses numbered over 200 are primarily for graduates. Qualified seniors may be admitted by permission of the instructor in charge. Advanced students are required to secure the approval of their program by the head of this department before completing their registration. Graduate students must complete undergraduate requirements before being accepted as candidates for the master's or doctor's degree in sociology.

Courses

1. Introductory Sociology.—A general survey of the field of social relations, with some discussions of the forces at work, the practical problems presented and the methods of solution suggested. Required of all students in the department. Five credits; autumn, winter, spring.

I. ANTHROPOLOGY

- 51. Growth of Culture.—The origin and development of social institutions, industrial activities, and arts. Basic to courses in anthropology. Five credits; autumn, winter.
- 52. Primitive Social Life.—The social institutions and folkways of primitive peoples. Five credits: winter, spring.

 Spier.
- 92. Peoples of Europe and Africa.—Racial types and languages of the Old World; origins of historic cultures; the background of American immigrants. Suggested for history students. Three credits; winter. Spier.
 - *93. Peoples of Asia and Oceania.
- 101. Basis of Civilisation.—Factors that determine the growth of civilizations, as illustrated by the North American Indians. Five credits; autumn.

 Spier.
- 141. Folk-tales.—A study of unwritten literature; the spread of stories and cycles; historic and Freudian theories of origin. Suggested for English students. Three credits; spring.
- 143. Origins of Art.—Factors in the development of art styles, from the standpoint of beginnings. Suggested for fine arts students. Three credits; autumn.
- 163. Anthropometry and Biometrics.—The study of the growth of children; racial and social influences; application of statistical methods to biological phenomena. Methods of physical examination; standards of efficiency in measurements. Two credits; spring.

190. Undergraduate Research.—Credits and hours to be arranged.

Corubouid with 204 for 2011, for face Spier.

GRADUATE COURSES

204, 205, 206. Anthropological Methods and Theories.—Analysis of culture; historical and psychological methods; theories of culture growth. Open to qualified seniors. Each quarter may be taken separately. Three credits a quarter; autumn, winter, spring.

II. SOCIAL PROBLEMS AND SOCIAL RECONSTRUCTION

- 55. Community Organization.—A study of the principles of community organization, forms of community action, essentials of leadership. Five credits; autumn.

 McKenzie.
- 56. The Family.—The origin of marriage, the family and its status, the effects of the industrial revolution, and the functions of the modern family. Three credits; autumn.
- 57. Child Welfare.—A study of the biological, psychological, social, and economic factors bearing on the welfare of children in modern society. Three credits; winter.
- 58. Neighborhood Resources.—A study of national, state and local organizations which deal with practical social problems; e. g., The Children's Bureau, American Red Cross, National Federation of Settlements, Community Service. Three credits; spring.

 McCabe.
 - *61. The Church as a Social Agency.

- 62. Public Recreation.—Organization of indoor and outdoor amusement; public morality and the use of leisure. Three credits; winter.
 - McKenzie.
- 63. Municipal Sociology.—A study of the social conditions and problems of modern social life in American cities, and a discussion of the various agencies developed to deal with them. Five credits; spring. McKenzie
 - *103. Problems of Maladjustment.
 - *104. American Social Conditions.
 - *105. Industrial Welfare.
- 155. Poverty and Philanthropy.—Care of dependents and prevention of destitution; discussion of causes of poverty and methods of relief. Prerequisite, Econ. 1 Five credits; autumn.

 McKenzie.
- 156. Criminology.—A study of the social, economic, and hereditary causes of crime; various theories and plans of prison reform; the relations of prisons and criminals to society. Five credits; winter. McKenzie.
- 157. Social Pathology.—A study of the social factors involved and the methods of dealing with physical defectiveness, feeble-mindedness, insanity, narcotics, alcoholism, prostitution, vagrancy. Five credits; spring.
- 160. Programs of Social Reform.—A critical examination of individualism, conservation, philanthropy, social justice, liberalism, unionism, the co-operative movement, the single tax, socialism and syndicalism. Three credits; autumn.

 Woolston.
- 171-172-173. Methods of Social Service.—Field experience under supervision at local social work organizations. Eight hours field work, one hour conference. Permission of instructor necessary for registration. Prerequisites, Soc. 56, 57, 155. Five credits; autumn, winter, spring. McCabe.

hour conference. Permission of instructor necessary for registration. Prerequisites, Soc. 56, 57, 155. Five credits; autumn, winter, spring. McCabertion for the control of the contro

211-212-213. Case Work Principles and Practice.—A training course for social work. Eight hours field work, one hour conference. Permission of instructor necessary for registration. Prerequisites, Soc. 171-172-173. Five credits a quarter; additional credit by special arrangement. Autumn, winter, spring.

III. SOCIAL THEORY AND METHODS OF INVESTIGATION

- 29. Social Statistics.—Methods and sources for quantitative investigation. Prerequisite, Math. 13. Three credits; winter.
- 60. Group Behavior.—The instinctive and reflective side of man, and his adjustments to civilization. Prerequisite, Psych. 1. Three credits; autumn. Woolston.
- (130.) The Social Survey.—Methods of planning, conducting, and presenting results of investigations of communities and institutions. Three credits; winter.

 McKenzie.
- 150. General 'Sociology.—Advanced course in theory for seniors and graduates. Mature students may substitute this work for Soc. 1 upon personal approval by the instructor. Five credits; autumn. Woolston

^{*}Not offered in 1922-1923.

- 161. Theories of Social Progress.—A discussion of the factors involved in improving society and an estimate of their efficiency. Three credits; winter.

 Woolston.
 - *162. Social Ideals.
- 170. History of Social Theory.—The principal contributions to sociological science, from the standpoint of their background. Five credits; winter.

 Woolston.
- 181. Psychology of Nations.—An examination of the bases and characteristic manifestations of national traits. Prerequisite, Soc. 60. Three credits; spring.
- 182. The Urban Habit of Mind.—A study of typical reactions shown by city-dwellers. Prerequisite, course 60. Three credits; winter. Woolston.

GRADUATE COURSES

- 207-208-209. Community Research.—Original investigation of special community problems. Emphasis will be placed upon methodology and the interpretation of data. Prerequisite, graduate standing or special permission. Two credits a quarter; autumn, winter, spring.

 McKenzie.
- 221-222-223. Seminar.—For graduate students who are candidates for higher degrees and for approved major students in the department, when recommended by an instructor in charge of their special work. The purpose is to train in methods of original research and investigation. Two credits; autumn, winter, spring.

Zoology

Science Hall

PROFESSOR KINCAID; ASSISTANT PROFESSORS E. V. SMITH, GUNTHORP, JAMESON

- 1-2. Elements of Zoology.—A general review of zoological science, stressing the philosophic and economic aspects of the subject. Lab. fee, \$2.50. Five credits a quarter; autumn, winter, repeated winter, spring.

 Kincaid, Gunthorp and assistants.
- 3-4. Pre-Medical Zoology.—For students entering upon a medical course. Lab. fee, \$2.50. Five credits a quarter; autumn, winter. Jameson
- 10-11. Comparative Anatomy.—The comparative structure of the vertebrate animals. Prerequisite, Zool. 1-2 or 3-4. Lab. fee, \$2.50. Five credits a quarter; autumn, winter.
- 16. Evolution.—A series of lectures upon the more important biological problems related to the general theory of evolution. Two credits; autumn.
- 17. Eugenics.—The principles of evolution in their relation to human welfare. Two credits; spring. Kincaid.
- 103. Ecology.—The adaption of animals to their environment. Prerequisite, Zool. 1-2. Lab. fee, \$2.50. Five credits; spring. Gunthorp.
- 101. Cytology.—The anatomical, physical and chemical properties of the animal cell with special reference to the problems of development and inheritance. Prerequisite, Zool. 1-2 or 3-4. Lab. fee, \$2.50. Five credits; autumn.

^{*}Not offered in 1922-1923.

- 56. Entomology.—The structure, classification and economic relations of insects. Prerequisite, Zool. 1-2 or its equivalent. Lab. deposit, \$2.50. Five credits; spring. Kincaid.
- 105. General Embryology.—The comparative developmental history of animals, with emphasis on vertebrate forms. Prerequisite, Zool. 1-2 or 3-4. Lab. fee, \$2.50. Five credits; spring.

 Jameson.
- 106. Plankton.—The classification, adaptions and interrelationships of the microscopic fauna of the sea. Field work in Puget Sound. Prerequisite, Zool. 1-2. Lab. fee, \$2.50. Five credits; autumn. Kincaid.
- 107. Parasitology.—A study of animal parasites. Prerequisite, Zool. 1-2 or 3-4. Lab. fee, \$2.50. Five credits; spring. Jameson.
- 108. Aquatic Biology.—The classification and interrelationship of the organisms found in lakes and streams. Field work in the neighboring freshwater bodies. Prerequisite, Zool. 1-2. Lab. fee, \$2.50. Five credits; spring.
- 155-156-157. Elementary Problems.—Students will be assigned minor problems which will be worked upon under the direction of one of the instructors in the department. Prerequisite, twenty hours in zoology or physiology. Lab. fee, \$2.50. Three credits; autumn, winter, spring.

 Kincaid, Smith, Gunthorp, Jameson.

GRADUATE COURSE

201-202-203. Research.—Students capable of carrying on independent work will be assigned problems to be worked upon under the direction of one of the instructors. Prerequisite, twenty-five hours of zoology. Credit Kincaid, Gunthorp, Jameson.

Norm:-For teachers' course in zoology, see department of education. Educ. 160-Z.

PHYSIOLOGY

- 7-7-7. Elementary Physiology.—A general survey of the structure and functions of the human body, with special emphasis on metabolism, and the nervous and vascular systems. Lab. fee, \$2.50. Five credits; autumn, winter, spring.
- 54-55. Physiology.—A course adapted to meet the need of students expecting to teach the subject in high school. Required of students majoring in physical education; recommended for students in dietetics and in sanitary science. Lab. fee, \$3. Five credits; autumn, winter.
- 115. Principles of General Physiology.—The application of the laws of physics and chemistry to physiological processes. Prerequisites, one year each, zoology, chemistry and physics. Lab. fee, \$3. Five credits; spring.
- 151-152-153. Advanced Physiology.—Arranged for students in medicine and advanced students who wish to make a careful study of experimental methods. Prerequisites, one year each, zoology, chemistry and physics. Lab. deposit, \$3. Five credits; autumn, winter, spring.

GRADUATE COURSE

204-205-206. Research.—Students capable of carrying on independent work will be assigned problems for investigation. Prerequisites, twenty-five hours of zoology or physiology. Credit to be arranged.

SUMMER QUARTER

ŧ.

JUNE 20-AUGUST 31, 1922

FREDERICK E. BOLTON, Ph.D.

Facilities.—The summer quarter is an integral part of the university year and its courses coordinate with the other quarters. It thus offers especial opportunities for teachers and others whose regular work is sus-

pended during the summer months.

By the four-quarter plan regular students will be able to take their vacations during any quarter of the year, or by attending the four quarters each year they may complete their college course in three years. Regular work will be offered in the Colleges of Liberal Arts, Science, Fine Arts, Business Administration, the Graduate School, Schools of Education and Law, and in the Pre-medical Course. The Puget Sound Biological Station at Friday Harbor maintains a session of six weeks beginning June 19 and ending July 28. The laboratories, libraries and museum are open and the various departments offer both undergraduate and graduate work equal in quality to that maintained during the rest of the year. In most departments three grades of work are offered: (a) courses for beginners in the subject, (b) courses for advanced undergraduates, and (c) courses for graduate students. In a very large number of cases, heads of departments are in charge of the work. In addition to regular members of the faculty several prominent teachers from outside the University give courses.

For whom intended.—In addition to the regular undergraduate work in the various colleges exceptional opportunities are afforded for the following classes of persons:

1. College and university graduates who wish to specialize in some par-

ticular field or to work for advanced degrees.

2. Superintendents and principals who wish to acquaint themselves with recent progress in education or to study special problems.

3. High school teachers who wish to advance in their special lines of work.

Supervisors and teachers of music, domestic science, drawing and other special fields of work, who will find many courses suited to their needs.

School teachers who wish to work toward college degrees.

Directors of gymnasiums and teachers of physical education and playground work. The university campus offers unusual opportunities for playground demonstration, and special emphasis will be placed on this important phase of education. The city of Seattle and the public schools afford splendid objective illustrations of playground and recreation centers.

Undergraduates who for some good reason find it desirable to shorten

the period of their college course.

8. Recent high school graduates who expect to enter the University in the fall who wish to get in touch with the University before that time. High school pupils find this a very advantageous plan.

9. Persons desiring training in child welfare work, social workers, Y.M.C.A. and Y.W.C.A. directors and teachers.

10. County superintendents who desire to study problems of rural school organization and social center and community center work.

11. Candidates for certificates who need special courses in education and

psychology or other subjects.

12. Persons who are preparing to become specialists in college and normal school positions.

13. Persons who desire practical field work in botany, geology and

zoology in a region possessing unique facilities.

14. Students who wish regular courses in law or special courses in law in preparation for teaching the commercial branches.

Registration.—Registration for the summer quarter will take place on Tuesday, June 20. Students expecting to be in attendance during the last six weeks only may register on or before Friday, July 28. Students should go first to Administration hall, where notices will be posted giving the order

of procedure in registration.

Students desiring to be enrolled in any college or school of the University will be assigned by the registrar to the deans of the respective divisions for assistance in making out their election of studies; those not intending, at the time, to become candidates for graduation will be assigned to the director of the summer quarter.

Admission.—The courses of the summer quarter are open to all persons eligible for admission to the University as either regular, unclassified or special students. As far as possible, all credentials for prospective students and applications for admission as special students should be in the hands of the registrar before the opening of the session.

Credits.—Students desiring university credit will be required to pass the examinations given during the closing week of each term. A maximum of nine quarter hours of credit may be obtained during each term.

Persons who expect to be candidates for any degree or the normal diploma at the close of the quarter should make application through the regis-

trar on registration at the beginning of the session.

Fees.—The regular tuition fee of twenty dollars (\$20) is required of all students, and admits to all the privileges of the summer quarter, except certain laboratory courses and to special music courses requiring individual instruction. See the statements of these courses for the special fees. No reduction of fees will be made because of late registration or early withdrawal. Open lectures are free to all students regularly registered in the summer quarter and also to the public.

Masters' Degrees Through Summer Quarters.—At each succeeding summer quarter a larger number of graduate students are in attendance. Last summer more than a third of the whole number of attendants were graduate students. Many were planning definitely to apply their work toward higher degrees. The University will accept 36 credits earned during at least 30 weeks of residence in summer quarters as a fulfilment of the year of required residence, provided the student does work between the sessions under regulations prescribed by the graduate faculty and the department concerned.

Correspondence Courses.—The University has established correspondence courses in many departments. These will be of special advantage to students who have been in attendance at summer quarters and who wish to go forward to the bachelor's degree. The correspondence work can be very advantageously planned as a continuation of the regular summer quarter. For detailed information concerning correspondence courses write to the Extension Service.

Education.—The summer quarter and the School of Education stand in very close relations to each other. Doubtless a large number who plan to secure a degree, or a normal diploma, through the School of Education will accomplish much in summer quarters. The work of the summer quarter being especially arranged for teachers will make it possible to accomplish this.

Business Administration.—An interesting curriculum of business courses is offered in the summer quarter for students who contemplate going into business. These courses will be along lines of business organization, corporation, finance, employment management, and kindred subjects. Teachers of commercial subjects will also find subjects of special importance in preparation for their work.

For bulletin of the summer quarter address the Registrar, University of Washington. For other information address Frederick E. Bolton, Director

of the Summer Quarter.

PUGET SOUND BIOLOGICAL STATION

FRIDAY HARBOR, WASHINGTON

June 19-July 28, 1921

THEODORD CHRISTIAN FRYE, Ph.D.

Station and Surroundings.—The Puget Sound Biological Station is situated in a sheltered bay near the town of Friday Harbor, the county seat of San Juan County, with a population of approximately 700. It is between Bellingham and Victoria, about 25 miles from the former and about 20 miles from the latter.

San Juan County consists of an archipelago of about 100 islands separated by channels cut by glacial action. The northern islands of the county are composed of sandstone, comparatively easily eroded, and wearing into potholes and peculiarly pocketed walls. In the sandstone are occasional beds of fossils, notably on the Sucia Islands. On Waldron Island and the Sucia Islands the sandstone has been cut for paving blocks for city streets.

Some of the islands are partly limestone, notably the north end of San Juan and the west side of Orcas. The largest lime works in Washington is at Roche Harbor, at the northwest corner of San Juan Island. However, com-

paratively little of the shore line of the archipelago is limestone.

Most of the islands are composed of metamorphic rock, which is very resistant to weathering and therefore changes very little. This is one of the reasons for the remarkable wealth of fauna and flora. Here and there are beaches of glacial material, or of sand, or flats of mud. There are no large streams on the islands, and therefore the water is exceptionally free from river detritus. Through the channels between the islands the tides rush at times with a velocity of seven to ten miles an hour, filling and again draining the Gulf of Georgia. This gulf is a body of water roughly 100x20 miles, and the spring tides are about twelve feet. The channels in the Friday Harbor region are the chief points of entrance and escape for this immense volume of water. Thus the rocky points are swept clean from erosion deposits, the water is constantly aerated and changed, and a good habitat for water forms insured. Some of the channels are over 100 fathoms deep, thus affording opportunity for the study of forms of life to a considerable depth. Those who have been at the station have again and again attested to the abundance of marine life. A 12-foot tide exposes a wide beach, and gives excellent opportunity for the study of shore life.

The site of the station is on a steep, rocky hillside, forested with conifers. The land was donated by Mr. Andrew Newhall, and is about a quarter of a mile from the village. A road runs through the grounds to the village. The village contains about a dozen stores, and any ordinary purchases may be

made there:

The University of Washington also owns 485 acres about one mile from the present site, and expects to move there when suitable buildings have been erected.

Building and Equipment.—The zoological laboratory was built in the spring of 1910. It is about 30x60 feet, two stories and attic. The building is just above high tide on a steep shore. Material can therefore be landed from a small floating dock anchored to the pillars of the laboratory itself. On the first floor are laboratory tables and stock room. The attic is a general store-room and drying loft. A dark room is fitted up for photography. Both fresh and salt water are piped to all parts of the building.

The botanical laboratory was built as a part of the dining hall in the spring of 1913. It has fresh water piped into it, and there is a dark room

adiacent.

Compound microscopes are taken up from the University of Washington; some general glassware is supplied. Certain ordinary glassware, con-

tainers, and preservatives may be secured at the stock room. It is the aim to have in the stock room things ordinarily called for. Unusual things cannot be supplied. Those wishing special apparatus should write the director. Usually the station hires a shrimp trawler for one month. Rowboats are on hand for general use.

Supply Departments.—A supply department has been established for the purpose of providing material for class use and for investigators at the station; also for supplying museums and schools with zoological and botanical material for their exhibits or classes. A price list will be furnished on application to the Director of the Station. Those who attend the station may have a reasonable amount of material for their own laboratories put up at very nearly cost. This will permit scientists to put their whole time on class work investigation. Those who are looking forward to collecting material should first correspond with the station authorities. Scientists are urged to co-operate with the station in its endeavor to earn part of its running expense through its supply department.

Library.—The library contains about 800 volumes, of which about 190 are bound volumes of reprints. A limited number of books are shipped to the station every summer from the University.

Lectures.—General lectures by the station staff or by visitors are given as the occasion arises.

Registration.—Experience has shown that it is wise to register for one full course only. Six weeks is a very short time to give to any course, even though one's whole time be put on the work. Advanced students have found it profitable to begin some line of investigation in the same field in which they are carrying a course.

Credit.—Students giving their whole time to the work may earn one semester-credit or one and one-half quarter-credits per week.

Expenses.—For one person for six weeks the cost is about as follows:

Station fee	\$12.00
Laboratory fee	3.00
Laboratory fee	4.50
Board (estimate)	33.00
Books (estimate)	3.50
Incidentals (estimate)	4.00

Total_____\$60.00

The Station fee of \$12 goes toward paying the running expenses of the station. For persons occupying research rooms the station fee is \$50, instead of \$12.

The tents are 10x12 feet, on board platforms with three-foot board wall, making the lowest part about five feet. They are rented during the season for \$1.50 per week per tent, including bed springs, mattresses, lamp, broom, camp chairs, buckets, wash basins, and drinking cups. During the time before and after the session the rental is \$1 a week. Stoves may be rented for \$1.50 for the season. Bedclothes and pillows are not furnished, although they may be bought at the village. Persons coming to the station should bring a sufficient supply of bedding for cold nights. The whole lodging system is merely self-supporting over a term of years.

Meals are served in the dining hall at six dollars a week. The service

Meals are served in the dining hall at six dollars a week. The service is merely self-supporting over a term of years, and as nearly co-operative as the conditions permit. The dining hall is about 75 feet above the sea level, and commands a splendid view of channels and islands in the foreground, with Mount Pales lifting its incovered peal 12000 feet high in the distance.

with Mount Baker lifting its ice-covered peak 12,000 feet high in the distance.

For bulletin of the Puget Sound Biological Station address the Registrar, University of Washington. For other information address T. C. Frye, Director of the Puget Sound Biological Station.

UNIVERSITY EXTENSION SERVICE

OFFICERS OF ADMINISTRATION AND INSTRUCTION

ADMINISTRATIVE BOARD DIRECTOR START, CHAIRMAN

DEAN THOMSON, Liberal Arts DEAN LANDES, Science DEAN BOLTON, Education DEAN MILLER, Business Administration PROFESSOE RAITT, Home Economics COMPTECLIER CONDON

THE FACULTY

The Extension faculty is composed of members of the general faculty who give extension courses and of the following instructors on the Extension staff:

ALLETTA MARIA GILLETTS, A.B., (Smith), A.M., (Washington) Instructor in English JAMBS M. McConaher, Ll.B., (Northwestern), C.P.A.... Lecturer in Accounting WILLIAM HENDERSON Lecturer in Foreign Trade EMURL J. FORMAN Lecturer in Water Transportation

OFFICE STAFF

MARY C. GRADY				
CORINNE B. BARCOCK .	 Secretary	in charge	of Seattle City	Office
EDNA HINDMAN, A.B.,				
HARRISTTH R. BAILBY	 		Stenog	rapher

OFFICES

The general offices of the Extension Service are on the University campus, in a small building devoted exclusively to their use. It is the third building on the right from the Fortieth Street entrance.

A city office is maintained in the Henry Building, in the heart of the

business district of Seattle.

THE EXTENSION SERVICE

The Extension Service of the University of Washington (known as the Extension Division until 1917) was organized in 1912, as an integral part of the University to promote and administer its work outside the campus. At the present time its field embraces university teaching by correspondence and in classes for those who cannot attend the University.

DIVISION OF INSTRUCTION

Extension teaching is primarily for adults and for those who cannot attend the University. Many of the subjects offered may be taken for credit toward a university degree, but this is a secondary object, the primary one being to make university instruction available to as many persons as possible who could not otherwise obtain it.

This teaching is carried on by correspondence, which is available to anyone, anywhere, at any time; and by classes conducted at different places.

Correspondence courses are offered in the departments of botany, classical languages and literature, (Greek, Latin), economics and business administration, education, English, geology, history, home economics, navigation, philosophy, political science, psychology, Romanic languages and literature (French, Italian, Spanish), sociology, and zoology.

Class work is offered in Seattle, and in other cities as far as practical, in many of these departments and in some others. Both lists are subject to

change from time to time, as courses are added or withdrawn.

The greater number of the extension courses parallel the resident university work and may be taken by qualified persons for credit toward a university degree. Some are planned to meet vocational needs of those who have no university degree in view.

Announcements of the Extension Service are published in bulletins is-

sued at intervals of one or two months.

In Seattle the Extension Service maintains a city office and downtown classrooms, where a program of classes in various subjects is annually carried on. This schedule varies somewhat from year to year but usually includes general economics, accounting (three full year courses), advertising, business correspondence, business law, employment management, foreign trade, water transportation, English, French, Italian, Spanish, subjects in home economics, philosophy and psychology.

Extension classes have been conducted in Aberdeen, Bellingham, Everett, Hoquiam, Olympia, Spokane, Tacoma, and Yakima. On account of time and distance it has not been possible to develop this work on the same basis of permanence and regularity as that in Seattle, but as much is done as possible

and any real local demand is generally met.

Fees.—In accordance with the wishes of the Legislature of 1921 all university extension work must be as nearly as possible self-supporting. fees hitherto charged have therefore had to be increased. They are still very moderate, being kept low enough to cover only the actual cost. The cost of courses varies according to their length from eight to twenty-four dollars.

GRADUATE MEDICAL LECTURESHIP

In 1916 the Extension Service, with the cooperation of the Washington State Medical Society and the King County Medical Society, instituted a Graduate Medical Lectureship. The King County Medical Society annually appoints a committee which works with the representatives of the Extension Service in planning the course. The lectures are held in the early summer, and occupy five days. They are open to graduate physicians and surgeons. A fee is charged and any surplus over the expenses of the year goes into a special fund to be used as a reserve fund for the maintenance of this lectureship, or for the extension of medical education. The lectureship has proved of great value to the physicians and surgeons of the Pacific Northwest, bringing to them each year some of the best thought of the medical education centres of the country.

The lecturers have been:

1916. Dr. Charles L. Mix, Chicago, Northwestern University.

Dr. Martin H. Fischer. University of Cincinatti.

Dr. Allen B. Kanavel, Chicago, Northwestern University.

1918. Omitted on account of the war.

1919. Dr. Charles Lyman Greene, St. Paul.

Dr. Dean Lewis, Chicago.

Dr. Henry A. Christian, Boston, Harvard University. 1920. Dr. Barton Cooke Hirst, Philadelphia, University of Pennsylvania.

Dr. Charles F. Hoover, Cleveland, Western Reserve University. Dr. Carl A. Hamann, Cleveland, Western Reserve University. Dr. Harris P. Mosher, Boston, Harvard University.

Dr. John B. Deaver, Philadelphia, University of Pennsylvania. 1922. Dr. Hobart Amory Hare, Philadelphia, Jefferson Medical College. Dr. William McKim Marriott, St. Louis, Washington University. Dr. Joseph Colt Bloodgood, Baltimore, Johns Hopkins University. Dr. Walter Bradford Cannon, Boston, Harvard University.

Dr. William Engelbach, St. Louis, St. Louis University.

OFFICE OF EDITORIAL SECRETARY

All the official publications and general printing of the University are supervised by the editorial secretary. Publications include the following:

The University of Washington Publications in Geology.

The University of Washington Publications in Language and Literature.

The University of Washington Publications in Mathematics.

The University of Washington Publications in Political and Social Science.

The University of Washington Bulletin (Engineering Experiment Station Series).

Puget Sound Biological Station Publications.

The Washington Historical Quarterly.

The Washington Newspaper (Monthly for the press of the state).

The University of Washington Bulletin, General Series, including the bulletins of the various colleges and schools, General Catalogue, Summer Quarter Bulletin, and the University Directory are also compiled and edited in this office.

Besides the strictly technical, scientific and cultural publications, a weekly news service is sent to the press of the state. This service carries stories regarding the results of research in the various colleges and departments of the University. Often these stories offer helpful suggestions for various lines of industry and business, as well as material of interest in the homes. All specific requests for information regarding the University or the specialized work of any of its departments are referred to this office. It is the endeavor of this office at all times to interpret the many phases of University work and research to the state for the service and advantage of all, bringing this information to the people of the state as expeditiously as possible.

BIBLIOGRAPHY

Publications from April 1, 1921 to April 1, 1922.

BACTERIOLOGY

WEINZIEL, JOHN

The Resistance of Mold Spores to the Action of Sunlight .- University of Wisconsin Studies in Science 2, pp. 55-59. 1921.

POTANY

BUSH, MILDRED

Revised Key to the Echinoderms of Priday Harbor.—Publications Puget Sound Biological Station 3, pp. 65-77. 1922.

FRYB, T. C.

Mosses of the Bureau of Soils, Kelp Expedition to Alaska.—(with J. M. Holzinger) Publications Puget Sound Biological Station 3, pp. 28-64. 1921.

The Biological Aspects of Ocean Currents.—Special Publications Bernice P. Biship Museum 7, pp. 582-534. 1921.

HOTSON, JOHN WILLIAM

Sphagnum Used as a Surgical Dressing in Germany During the War.—Phytopathology 24, pp. 74-78 and 89-96. 1921.

HOWARD, GRACE E.

Extraction and Separation of the Pigments of Nereocystis Lucikeans.—Publications Puget Sound Biological Station 3, pp. 79-91. 1922.

MCLEAN. ARTHUR J.

Effects of Thyroid and Iodine Feeding upon the Hetamorphosis of Two Species of Crab.—Publications Puget Sound Biological Station 3, pp.93-103. 1922.

POWERS, EDWIN B.

The Physiology of the Respiration of Fishes in Relation to the Hydrogen-ton Concentration of the Medium.—Journal General Physiology 4, pp. 305-317. 1922.

Experiments and Observations on the Behavior of Marine Fishes Toward Hydrogen-ion Concentration of the Sec-water in Relation to Their Migratory Movements and Habits.—Publications Puget Sound Biological Station 3, pp. 1-22. 1921.

RIGG. GEORGE BURTON

The Identity of Certain Yellow Pigments in Plants and Animals.—Science, Vol. 55, No. 1413, pp. 101-102. January, 1922.

CHEMISTRY

BENSON, HENRY KREITZER

Auxiliary Blectrochemical Developments for Hydro-electric Plants.—Chemical and Metallurgical Engineering, Vol. 25, No. 22. November, 1921.

DEHN, WILLIAM M.

Solubles in Mixtures of Two Solvents.--(with George Pucher) Journal of American Chemical Society 43, No. 8, pp.1753-58. August, 1921.

Primary Detonating Composition .- U. S. Patent. 1922.

SMITH, G. MOPHAIL

A Course of Instruction in Quantitative Chemical Analysis for Beginning Students with Explanatory Notes, Questions and Analytical Problems.—The Macmillan Company. pp. 218. 1921

TARTAR, H. V.

The Reaction Between Copper and Nitrogen Peroxide.—(with W. L. Semon) Journal of the American Chemical Society, Vol. 43, No. 3. April, 1921.

The Electrical Conductivity of Solutions of Zinc Sulfate in the Presence of Sulfatio Acid.—
(with H. E. Keyes) Journal of Industrial and Engineering Chemistry, Vol. 13, No. 12.
December. 1921.

The Heasurement of Over-Voltage.—(with H. E. Keyes) Journal American Chemical Society, Vol. 44, No. 3. March, 1922.

THOMPSON, THOMAS G.

The Intersolubility of Beta-Beta Dichloroethyl Sulfide and Ethyl Alcohol.—(with J. H. Black and G. T. Sohl) Journal American Chemical Society, Vol. 43, No. 4. April, 1921.

DRAMATIC ART

HUGHES, GLENN ARTHUR

An East-West Theatre.-Drama Magazine, May, 1921.

A Japanese Theatre in Scattle .- The Far East, Tokyo, August, 1921.

University of Washington Plays: First Scries.—(Editor) University of Washington Press, 1921.

Maurice Browne's 1921 Season in Scattle .- Drama Magazine, March, 1922.

EDUCATION

BOLTON, FREDERICK E.

Suggestions to Students on How to Study Effectively.—American School, Vol. 7, April, 1921.

Higher Standards of Qualification for Teaching .- Washington Education Journal, September, 1921.

Are Temporary, Emergency and Special Certificates Necessary in Washington?—Washington Education Journal, December, 1921.

HINES, HARLAN C.

A Program for Lowering the Percentage of Failures .- School and Society, May, 1921.

Methods of Rewarding Distinguished Service in High Schools.—The American School Board Journal, August, 1921.

A High School Which Pays Its Own Way .- The American School Board Journal, October, 1921.

What Los Angeles is Doing with the Results of Testing.—The Journal of Educational Research, January, 1922.

TERRY, PAUL W.

The Reading Problem in Arithmetic.—The Journal of Educational Psychology, Vol. 12, No. 7, pp. 865-877. October, 1921.

Civic-Horal Training Through Entra-Ourricular Activities.—Washington Education Journal, Vol. 1, No. 6, February, 1922.

ELECTRICAL ENGINEERING

LOBW. EDGAR ALLAN

Electric Heating of Residences.—Bulletin No. 15, Engineering Experiment Station, University of Washington. pp. 44. December, 1921.

MAGNUSSON, CARL EDWARD

The College Trained Engineer .- Journal of A. I. E. E., Vol. 40, pp. 730-736. 1921.

DNGLISH

BENHAM, ALLEN R.

A Note on the "Comedy of Errors".—Modern Language Notes, Vol. 36, No. 6, June, 1921.

Three Chaucer Studies.—The South Atlantic Quarterly, Vol. 20, No. 4, October, 1921.

The Baster Dramatic Office.—Translated from the Latin. University Book Store, Seattle. August, 1921.

Nice Wanton, Modernized .- Ibid. September, 1921.

COX, EDWARD G.

Oroce and Oriticism .- Pacific Review, Vol. 2, No. 4. March, 1922.

GARRETT. ROBERT MAX

A List of Canadian Short Stories from Periodicals.—Canadian Bookman, Vol. 4, No. 3, pp. 42-46. February, 1922.

Japaneso Lyrics and the Teaching of Description.—English Journal, June, 1921.

A "Mystery" in Scattle.-Dialect Notes, December, 1921.

PADELFORD, FREDERICK M.

The Virtue of Temperance in the Facric Queenc,--Studies in Philology, Vol. 18, No. 3. pp. 334-346. July, 1921.

PISHERIES

ANDERSON, CLARENCE L.

Bergen: Hub of Norway's Industry.—The Fishing Gazette, Vol. 39, No. 1. January, 1922.

The Fresh Fish Market of Bergen.-The Fishing Gazette, Vol. 89, No. 3, March, 1922.

COBB, JOHN N.

Development of the College of Fisheries.—Trans. American Fisheries Society, 50th Annual Meeting, Ottawa, Canada, Vol. 50, pp. 56-66. 1921.

Methods for Canning Crab and Shrimp.—Pacific Fisherman, Vol. 19, No. 6. June, 1921. Ethics in Trade Journalism.—The Washington Newspaper, Vol. 6, No. 7. April, 1921.

Protection for the American Orab Industry.—Pacific Fisherman, Vol. 19, No. 11. November, 1921.

Fish Gookery.—(with Evelene Spencer) Six hundred recipes for the preparation of fish, shellfish and other aquatic animals, including fish soups, salads and entrees, with accompanying sauces, seasonings, dressings and forcemeats. pp. 364. 1921.

HUNGERFORD, H. H.

Mild Curing Pacific Coast Salmon.—Pacific Fisherman, Vol. 19, No. 4. April, 1921. Smoking Mild Cured Salmon.—Pacific Fisherman, Vol. 19, No. 6, June, 1921.

Preparing Smoked and Kippered Herring.—Pacific Fisherman, Vol. 19, No. 8, August, 1921.

Making Bloater and Buckling Herring.—Pacific Fisherman, Vol. 20, No. 1. January, 1922.

Yearly Oycle of the Pacific Herring .- Pacific Fisherman, Vol. 20, No. 4. April, 1922.

TOPROPOR

KIRKLAND, BURT P.

Land Development in Western Washington.-Forest Club Annual, University of Washington. 1921.

Practicability of Forest Management in Washington,-Lumber World Review, January, 1022

WINKENWERDER, HUGO

Handbook of Forest Hensuration .- (with E. T. Clark), 2nd Edition. John Wiley, January, 1922.

GEOLOGY

LANDRS, HENRY

Land Classification in Washington .- Journal of Commerce, November, 1921.

GBRMAN

ECKBLMAN, E. O.

The Positive Element in J. Wassermann's Art .- Pacific Review, March, 1921.

HISTORY

MEANY, EDMUND S.

The Cowlits Convention: Inception of Washington Territory .- Washington Historical Quarterly, January, 1922.

HOME ECONOMICS

DENNY, GRACE G.

Practical Teaching of Textiles in High Schools.-Journal of Home Economics. Vol. 13. No. 8. August, 1921.

KORHNE, MARTHA

A Practical Problem in Dietetics .- Journal of Home Economics, Vol. 13, No. 10. October, 1921

MUNILER, JESSES

Study of Feeding Problems in Lumber Camps.—Journal of Home Economics, Vol. 13, No. 6. June, 1921.

JOURNALISM

CASHY, RALPH D.

The Revival of the Yellow Press .- Pacific Review, October, 1921.

HICKLIN, MAURICH

Making News on Country Dailies .- Circulation, April, 1921.

JONES, R. W.

Accuracy and Fairness in the Newspaper .- (Editor) University of Washington Press. 1021

Language Often Used Instead of Thought .- Fourth Estate, November, 1921.

What Makes a Good Ad Good.-Judicious Advertising, February, 1922.

LIBRARY

SMITH, CHARLES W.

Pacific Northwest Americans: A Checklist of Books and Pamphlets Relating to the History of the Pacific Northwest.—Wilson Publishing Company. pp. 329. June, 1921.

MATHEMATICS

BELL, ERIC TEMPLE

Arithmetical Paraphrases (1).—Transactions of American Mathematical Society, 1921. Arithmetical Paraphrases (II).—Ibid., 1921.

Bystems of Higher Indeterminate Equations.—Ibid., 1921.

An Image in Four-Dimensional Lattice Space of the Theory of the Elliptic Theta Functions.—Bulletin of American Mathematical Society, January, 1921.

Proof of an Arithmetic Theorem due to Liouville.—Ibid., March, 1921.

On a General Arithmetic Formula of Liouville.—Ibid., April, 1921.

Class Numbers and the form xy+yz+zx.—Tohoku Mathematical Journal, Sendai, Japan. May, 1921.

The Bernouillian Functions Occurring in the Arithmetical Applications of Elliptic Functions.—Messenger of Mathematics, Cambridge, England. April, 1922.

Note on the Prime Divisors of the Numerators of Bernouilli's Numbers. — American Mathematical Monthly, June, 1921.

Quelques Consequences Arithmetiques de l'equation a trois termes dans la theorie des fonctions elliptiques.—Giornale di Matematiche, Naples, Italy. December, 1921.

The Principle of General Relativity.—Chapter XI of Einstein's Theories of Relativity and Gravitation, edited by J. M. Bird. 1921.

Recurrences for Functions of Divisors.—Quarterly Journal of Pure and Applied Mathematics, Cambridge, England. January, 1922.

Arithmetical Equivalents for a Remarkable Identity in Theta Functions.—Mathematische Zeitschrift, Berlin, Germany. January, 1922.

An Arithmetical Dual of Mummer's Quartic Surface.—American Journal of Mathematics, January, 1922.

MORITZ, ROBERT E.

On a New Method of Computing Frequency Percentages.—American Statistical Association Quarterly, March, 1921.

On the Geometrical Representation of Interdeterminate Forms.—American Mathematical Monthly, May, 1921.

Ucber gewisse Infinitesimal-Operationen der hocheren Operationsstufen.-Tohoku Mathematical Journal, Sendai, Japan. July, 1921.

Borrowing Quotations .- School and Society, March, 1922.

MINING

DANIELS, JOSEPH

Review of Coking in the Pacific Northwest .- Coal Industry, February, 1922.

WILSON, HEWITT

An Oxygen Acciviene High-Temperature Furnace.—Journal of the American Ceramics Society, Vol. 4, No. 10. 1921.

MUSIC

DICKET, FRANCES M.

Is There a Place for a Course in Music Appreciation in the University for Others Than Those Majoring in Music?—School Music, September-October, 1921.

WOOD, CARL PAIGE

Counterpoint: Three Part Writing (1) .- The American Organist, June, 1921.

Counterpoint: Three Part Writing (II).—Ibid., October, 1921.

Counterpoint: Three Part Writing (III).—Ibid., December, 1921.

2... to 1 to 1 to 10 to

ORIENTAL LANGUAGES AND LITERATURE

GOWEN, HERBERT H.

Notes on Matthew Arnold-Sainte Beuve, Browning-Voltaire.-Modern Language Notes.

"Sound" Terms and "Shine" Terms (As Illustrated in the Hebrew Vocabulary).—Journal of the Society of Oriental Research, Vol. 5, No. 2. October, 1921.

Trade Terms in Hebrew .- Journal of the Society of Oriental Research.

PHARMACT

LYNN, E. V.

The Action of Nitrosyl Chloride on Normal Heptane.—(with O. Hilton) Journal of the American Chemical Society, March, 1922.

BIBLIOGRAPHY

PHISICS

ANDRESON, SAMUEL HERBERT

Speed Measurements of Airplanes .- Aviation and Aircraft Journal, Vol. 10.

Tensions in Track Cables and Logging Skylines—The Catenary Loaded at One Point.—Bulletin No. 13, Engineering Experiment Station, University of Washington. pp. 27. June,

POLITICAL SCIENCE

LAUBE, FRANK J.

Control No. 1258 Why the Property Tax Fails.-National Real Estate Journal, September, 1921.

ROMANIC LANGUAGES

UMPHRBY, GEORGE W.

Pan American Solidarity.—Pacific Review, July, 1921.

An Intellectual Breviary for the Youth of Spanish America. - Pacific Review, December, 1921

La Solidaridad Panamericana (translation).-Inter-America, January, 1922.

SOCIOLOGY

SPIRE, LESLIE

The Sun Dance of the Plains Indians: Its Development and Diffusion.—Anthropological Papers, American Museum of Natural History, Vol. 16, part 7. pp. 451-527. 1921.

STURGES, HERBERT A.

Summary and Group Correlation.—Quarterly Publication of the American Statistical Association, New Series No. 184, Vol. 17. June, 1921.

WOOLSTON, HOWARD B.

Prostitution in the United States .- The Century Company, 1921. ZOOLOGT

GUNTHORP, HORACE

Cragin's Collection of Kansas Myriapoda.—Canadian Entomologist, 53: 87-91. 1921. Laboratory Directions in Zoology I.-University of Washington Press, pp. 27, 1 fig. 1921. Laboratory Directions in Zoology II .- Ibid., pp. 30. 1921.

Laboratory Guide in Pre-Medical Zoology (Zoology III) .- Ibid., pp. 82. 1921.

SMITH, E. VICTOR

The Taking of Immature Salmon in the Waters of the State of Washington During the 1920 Pishing Season.—State of Washington, Office of the State Fish Commissioner. 1921.

Report on the Little Redfish, Locally Known as the Silver Trout.—State of Washington, Office of the State Fish Commissioner. 1921

DEGREES

DEGREES CONFERRED JUNE 20, 1921 BACHELOR DEGREES

COLLEGE OF LIBERAL ARTS

Bachelor of Arts

Anderson, Helen Dorothy (cum laude) Arneson, Elias Thorlief Ruud Atkinson, Evelyn Ann Attebury, Edgar Reymond Attebury, Edgar Baird, Elizabeth Bardon, Norma Martha Bemis, Catherine Meriam Birks, Margaret Elizabeth² (cum laude) Bonner, Gertrude Bricker, William Albert Lee Burdick, Don Burnham, Helen Marie Byrd, Mabel Janet^a
Campbell, Gertrude Cecilia Campbell, Gertrude Cecilia
Carey, Robert Lincoln
Chesley, Dorothy Helen (cum laude)
Clausen, Elva²
Coffman, Grace³
Cohoes, Orlando Sumpter³
Collins, William Chapin (cum laude)
Conklin, Florina Agnes
Cook Tessie Nivon Cook, Jessie Nixon Culver, Leda Gertrude Cutts, Laura Louise Deierlein, Grace Margaret Dickinson, Laura Cornelia Downing, Joseph Mont Dryden, Cecil Pearl² (cum laude) Emerson, Frances Bargion² Fargo, Marion Charlotte Farnsworth, Ruah Faulk, Theodore Ephriam² Finnicum, Ruth (cum laude) Finicum, Run (cum taude) Fix, Lymwood Watson Fleenor, J. Blankenship Frazier, Lewis Raymond¹ (cum laude) Garred, Max Frank Good, Josephine Dolores Gowran, Dawn Vivian Hall, Mabel Martha Hamley, Gladys Jean³ Harrington, Florence Harvey, Helen Heermans, Donald Henderlite, Elmer Claude Victor Hibbard, Myra Hill, Cyril Dean
Ho, Pao Jin
Holland, Ruth (magna cum laude) Hutchinson, William Harold Johnson, Evelyn Alice Johnson, Jane Gregg Jones, Hazel Elizabeth (cum laude) Jones, Marjorie Jones, Zenith Watkins Kenin, Harry Marvin

Kwok, Tak Wa Laney, Frances Willard Lange, Dayma Leavitt, Marion Glare² Lilly, Audrie Stella McCornick, Helen McCredy, Harold McHugh, Ruth Madison, Viola Marion, Viola Marion, Helen Isbael² Myrtle² Marlowe, Myrtle²
Marshall, Dorothy Edith Marshall, Botter Muriel
Meneely, Alexander Howard
Meyer, Rita
Miller, Esther Jean
Mohr, Esther
Montagle, Gwendolyn Annes Nelson, Ellen Nelson, Laura Elss Nettleton, Emily Orline Nissirious, Philip George O'Connor, James Matthew Overman, Marion Gray Overman, Marion Gray
Poysky, Tyne Christine (cum laude)
Ray, Doris²
Rich, Estella May² Richardson, Otis Dunbar Roberts, Sara Robertson, Jean Muriel Roys, Ruby (cum laude) Ryerson, Hilma Clare Shank, Katherine Shank, Katherine
Shank, Katherine
Silvermaster, Nathan Gregory²
Sloan, Besse Andrews
Smith, Chauncey Henry²
Smith, George Mimms, Jr.²
Smith, Gladys Lucile (cum laude)
Speer, Howard Benshoff
Stead, Mariam Ellen Stevenson, Christena Lillie Summers, Doris Edith Sullivan, Clare Agnes Sullivan, Richard Francis Thompson, Catherine Thomson, Frances Clifton Virtue, Jessie Hardy Virtue, Jessie Hardy Wagner, Florence Minerva Waldo, (Mrs.) Josephine Mary (cum laudo) Werner, Winifred³ Whitlock, Maryhelen Wilson, Harvey Erwin Woo, May Geraltine Youell, Miriam

NOTE: The persons whose names are followed by the superior figures 2, 3, received their degrees in the quarters of 1920-1921 ending in December and March, respectively; all others in June 1921.

For degrees conferred at the end of the summer quarter, August 30, 1921, see page 288.

DEGREES

College of Science

Bachelor of Science

Anderson, August Reinhold
Anderson, Rubert S.² (cum laude)
Ayres, Katherine Mary³
Bissett, Rudolph Alfred
Blumenfeld, Zipora
Bouck, Gordon Maynard
Brockman, Fred William
Byers, Katherine Ada²
Camp, Dorothy Foster
Catton, Mildred Wheeler
Dudley, Lilia Adele
Farley, Helen Marie
Fulton, Helen Louise
Frye, (Mrs.) Else Anthan (magna cum laude)
Gillnix, James² (cum laude)

Gilluly, James² (cum laude)
Griffiths, Lois Wilfred (cum laude)
Gunn, Elizabeth
Hardie, James Rogers
Hartman, Ward
Hugord, Luzerne Edson
Jasperson, Agnes Grace
King, Dorothy

King, Dorothy Landes, Kenneth Knight

Allen, Glenna Alicia
Anderson, Evelyn Martha
Bassett, Charlotte Anne
Cutter, Julia Louise
Davis, Violet
Dove, Eva May
Fulton, Grace
Helmich, Merle Lillian
James, Marjorie²
Jewett, Juliet Louise

Linton, James Reginald (cum laude)
Linton, Robert Ritchie (cum laude)
McCarthy, Owen Bernard's
McDonald, Alice Louise
Macfarlane, Don Andrews
Mahoney, Ethel Cecilia (cum laude)
Martin, Frances Lora
Moran, Jean Mildred
Mulhern, Frances Adele
Myers, Margaret Esther (cum laude)
Nemerovsky, Lena Leah
Preston, Louisa Byrne
Ratigan, Thomas
Ruple, Paul Joseph
Sangree, John Brewster
Shigaya, Paul S.
Snow, Iola
Stanley, Maxine
Sullivan, John Daniel
Turner, Lloyd Edwin
Upton, Virgil Morgan
Watts, Ruth Mande

Way, Lois Edith (cum laude) Young, Dorothy

Bachelor of Science in Home Economics

Metaker, Margaret Ream
Antha Nelson, Beulah Mae
Norman, Evelyn Minglis
Olson, Lillian Eleanora
Osterud, Nena Dorothea
Paine, Carol Margaret
Peterson, Gladys Loraine (cum laude)
an Phelps, Grace Marie
Thomas, Gertrude Marion
Walker, Bessie Marie

COLLEGE OF EDUCATION

Bachelor of Education

Alport. Ruth Jessie
Bruce. Irene Frances
Card, Mabel
Connell, Archie Mitchell
Crump, John Kennan
Cummings, Ardyce Helen (cum laude)
DeRosa. Florence Marie²
Dewhurst, Alice Janet
Ergan, Frances Marian
Ensley, Talitha Eldora
Fil'z, Midred Edna
Gibson, Cora Eleanor
Greguson, Judith² (cum laude)
Hill, Glen Gordon
Hills, Elizabeth³
Himmelsbach, Dora May
Hughes, Cecil Leonard
I'yde, Margaret Roberta
Jones, Margaret Slater
Kel'am, Viviax

Lamoreux. Harvey De Witt Magill. Marion Roberta Mor!moto, Takiji Neil, Vera Orrell, Jessie Peterson, May Anita Riddle, William Stanley Schoettler, Miriam Chapman² Steineke, Pearl Acena Strate, Johanna Travis, (Mrs.) Jessie Kuhn Troy, Marion Lucile Vining, Marjorie Claire Wallin, James Roy Weage, Esther Anna Wharton, Florence Lillian Wheeler, Gladys Fidele² Wheeler, Verna Mae Wiel, Bodil

COLLEGE OF FINE ARTS

Bachelor of Arts in Music

Chittick, (Mrs.) Edna Whitman Davis, Lois Lillian Faulkner, Reita Huntley, Elva Deane McMorran, Jean Pauline (cum laude) Martin, Connie Elvira Shepard, Aileen Ordell

Bachelor of Music

Billings, Rhea Hamona Neer, Margaret Ryta Neft, Fannie Devera (cum laude) Robe, Vivian Moore Young, Fay Laverne

Bachelor of Fine Arts

Hinman, Mary Albertine

Bachelor of Architecture

Ayer, Elizabeth Grandstand, Elmer Waltermer Lockman, Frederick Vincent²

COLLEGE OF ENGINEERING

Bachelor of Science in Chemical Engineering

Brown, Earl Dwight Lorah, James Richard Marton, Earle Vincent³ Sommerville, David Annesley

Bachelor of Science in Civil Engineering

Blessing, Laurence Joseph Dautoff, Victor² Glidden, Joseph Henry³ Nederlee, Anton Louis (cum laude) Richardson, George Bible³ Russel, Lewis Watler Thies, William Adolph

Bachelor of Science in Electrical Engineering

Applegate, Lindsny Moritz Axman. Ernest (*cum laude*) Benezra, Henry* Berg, Lawrence Richard Bird, Lester Fletcher Budden, Frank Wilfrid* Donovan, William McKinley Heacock, Ward James* Luft, Ernest Walter Maney, Wallace Lincoln³ Rice, George Russell² Roos, Albert Harvey Rupp, George Wellington² Spencer, Rhodes Vaughn Suransky, Paul Whiting, Edward Parsons

Bachelor of Science in Mechanical Engineering

Allper, Morris Brisack, Floyd Raymond³ Bukowsky, Harry William Emil² DeCan, Lawrence Malon² Dickinson, Phillips Downing, Fred³ Joy, Anderson Stickney Keator, Frederick William, Jr. (cum laude)
Luft, Herman
Northquist, Oscar Eaver
O'Rearr, Clyde Shaw
Pope, Ezra Tobey
Shaw, Cyril Nile
Strube, Charles Gustave. Jr.²

Bachelor of Science

Johnson, Halton Julius Larson, Victor Byron Latimer, Earl Hastings² Wilson, Edwin Durno²

College of Mines

Bachelor of Science in Mining Engineering

Anderson, Andrew Elmer

Bachelor of Science in Metallurgical Engineering

Moore, Gerald Edward Pigott, William

Sanders, David Scott Zickrick, Lyal Westley

Bachelor of Science in Geology and Mining

Brandenthaler, Rudolph Richard³ Burmeister, Harry Louis³ Campbell, Roy Everett

Hawley, Lyle Tracey Merrill, Levi Jasper³

COLLEGE OF FORESTRY

Bachelor of Science in Forestry

Andrews, Selden Spencer Dreitzler, Ralph Francis Fish, Walter Harold Fogelquist, Charles F.² Hayward, Harold Dewey² Johnston, Sidney Linebarger³ Knapp, Frank Roy Lankenau, Walter Henry Mitchell, John Henry²
*Moody, Alan Kenneth³
Pearce, John Kenneth (cum laude)
Roberts, Wesley Klimore
Roberts, Arthur Kitchel
Smith, Richard Merrill
Weston, John Roland
Williams, Robert Clifton

^{*}Died. May 16, 1921.

COLLEGE OF PHARMACY

Graduate in Pharmacy

Allitone, Pearl Hannah²
Boswell, Raymond Chester²
Carr, Eva Sabine
Clark, Gwendolyn Dolores²
Clausen, Wendell Herman
Craigen, Leslie
Day, Edwin John
DeJong, Dowa
Edwards, Charles Grant
Everly, Walter
Fisher, Frank Philip
Guinan, Burrows
Hague, Sigmund

Houghland, Robert
Johnson, Kathleen
Lancaster, Kirk Glynn
Land, Perry
Marsh, Lillian Angelina
Mattson, Mildred
Moffett, Thomas Joseph
Remley, Audra
Slocum, Esther Mary
Smith, Emma Margaret
Snortland, Oscar
Taylor, Joe Elmer Rex

Pharmaceutical Chemist

Bernheim, Martha Julia Cordero, Rosario Farrell, Charles Vincent² Gilbert, Geraldine Lee, Richard Roy²

Bachelor of Science

Bernheim, Martha Julia Lee, Richard Roy Carlander, Oswald Rudolph McGahn, Ellen Gilbert, Geraldine

COLLEGE OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

Adamson, John Quincy
Aeils, Margaret Kathryn
Aitkin, Victor Marshall
Allen, Arnold Southwick²
Anderson, Wyrtie Elvina
Anderson, Virgil Leopold
Bachelor, Robert Willard³
Barclay, Charles Paul³
Barclay, Charles Paul³
Bechen, Eleanor (cum laude)
Bruggeman, Kathryn Carolyn
Burke, Howard Mason
Chen, Tsan Lye
Cheng, Chun-Kuel
Cook, Erving Sumner³
Corbin, Louise Ællen
Corner, William Watson
DeChenne, Homer Ray
DeVoe, Donald Robert²
Dunn, Beatrice Bernice (cum laude)
Elgin, Etta
Ernst, Clarence Reinhold
Flood, George Edward
Forrest, Ronald Cameron²
Franck, Thomas G.
Gilbson, Blaine²
Gilchrist, Marian Virginia³
Gilley, Beth May
Goble, Lucy Esther
Goodheart, Mary Katherine
Griffin, Robert Wetzel
Hamill, Margaret Marian (cum laude)
Hamilton, Clark Alexander
Harbaugh, Charles Wooley
Hogg, John McHenry
Honey, Frederick Drake
Huggett, Raiph³
Imus, Raymond McKinley
Ives, Mae Elizabeth
Jamleson, Cecil Byron
Juan de Leon, Teofilo
Kobayashi, Hidekichi
Lark, Bert Webb

Larse, Mona Josephine
Laughlin, Raymond
Linburg, Russell Stanton
Lindholm, Arthur William
Litchfield, William Marshall²
Logg, Charles Paul
McEuen, Marshall Lee
McInnis, Merville Wayne
Magowan, Thomas Ross
Mahoney, Vera Valentine
Molige, Marcel Etienne
Morse, Glenn & Etienne
Morse, Glenn & Etienne
Morse, Glenn & Etienne
Morse, Glenn & Etienne
Mostensen, Harold Birge
Rist, Dorothy Eugenin
Robb, Opal
Rowe, Adeline Lee
Rowell, Fenton Charles³
Sexton, Roy Linwood Thomas
Shanks, Sarrol Meter, (cum laude)
Simon, Henriette Rebecca
Sinclair, Donald Walker
Smith, Pearl (magna cum laude)
Snowden, James Mathieu
Steele, Victor Harvey
Stevens, Grant Aaront
Strong, Lloyd Christy
Talbot, Archibald Weatherbee
Taylor, George²
Trenholme, Ruth
Trowe, Arthur Palmer²
Tung, Sung Wuan
Upton, Earl Edward
Van Sicklin, Mary Grace
Waller, James Addison
Wilegins, Charles Kauffman
Wiley, James Martin
Wiman, Frederick Samuel
Wood, James Harold³
Woodward, Harriett
Yates, Jumes Iran

College of Fisheries

Bachelor of Science in Fisheries

Fiedle, Reginald Hobson Glen, Harold Veazie (cum laude) Norgore, Martin (cum laude) Smith, Lawrence Kellam

SCHOOL OF LAW

Bachelor of Laws

Abel, Robert Bryan²
Abelset, Oluf Marcus³
Case, Edson
Dickinson, Dean Howells
Gilbert, Warren John²
Graves, Paul Hyde³
Hickey, Florence Mayne
Hoard, Charles Vere²
Hohman, Susan Cecelia³

Holander, Tyre Harrison Hovey, Joseph Chester Matson, John Peter Oertel, Daniel² Richmond, Agnes Norby² Rode, Alfred Vandercook, Modecai William² Wilson, John Mayriale, Jr.³

LIBRARY SCHOOL

Bachelor of Arts

Danielson, Ella Theodora Keith, Emily Hazelwood Melgs. Jerusha Gilman Putnam, Marguerite Eleanor Woolsey, Eva Fay

Bachelor of Science in Library Science

Alfonso, (Mrs.) Marie Bowles, Anna Laura Meigs, Jerusha Gilman Smith, Myretta Wait

SCHOOL OF JOURNALISM

Bachelor of Arts in Journalism

Anderson, Vida Runghilde Bender, Robert William Brackett, Anson Wendell Christian, Byron Hunter³ Dunn, Frank Clyde Grant, James Coleman Hamilton, Rupert Lane Lesser, Margaret Maloney, Patricia Pierrot, George Francis, Jr.³ von Kettler, Wanda Worboys, Helen Monfort

GRADUATE DEGREES

Master of Arts

Marie Brethorst (Education) B.L., Dakota Wesleyan, 1913 Thesis: The Educational System of China

Opal Helena Collins (History)
A.B., University of Washington, 1916
Thesis: History of Education in the State of Washington

James Land Ellis³ (English) A.B., University of Washington, 1920 Thesis: Studies in the Theology of Milton

Glenn Arthur Hughes² (English) A.B., Leland Stanford University, 1916 Thesis: "Broken Lights"

Arthur Kolstad² (Education)
A.B., University of Washington, 1916
Thesis: Comparison of Arithmetic Ability of Men in the Army and Children in the Public Schools

Ruth Haynes Livesay (English)
A.B., Pacific University, 1917
Thesis: The Evolution of H. G. Well's Conception of God

Worth McClure (Education)
A.B., Simpson College, 1908
Thesis: The Function of the Grade Principal

Mae Mathieu (French)
A.B., University of Washington, 1910
Thesis: Literary Relations of Corneille and Rotrou

Esther Maria Shepherd (English) A.B., University of Washington, 1920 Thesis: Frontier Literature DEGREES

Berrie Pearl Yerger (History)
A.B., University of Washington, 1916
Thesis: The Congressional Record of Senator James Reed Doolittle

Master of Science

Clyde Myron Cramlet² (Mathematics)
A.B., Walla Walla College, 1918
Thesis: Conformal Representation with a Special Complex Equation

Addison Harold Hotelling (Mathematics)
A.B., University of Washington, 1919
Thesis: A Mathematical Theory of Migration

William Lester Gilliand (Chemistry) B.S., University of Washington, 1920 Thesis: The Preparation of Nickel and Carbonyle

Mae Ellen Larkin (Bacteriology)
A.B., New York State College for Teachers, 1910
Thesis: On the Causes of Variability in the Activity of Guinea-pig Complement

George Bartholomew Sartoris (Botany)
B.S., University of Washington, 1920
Thesis: A Cultural Study of Smut (Tilletia Tritici) on Hard Media

Isabel Clarissa Stewart (Psychology)
B.S., University of Washington, 1920
Thesis: The Effect of One Factor in a Situation upon Learning

Dorothea Taylor (Zoology)
A.B., University of Washington, 1918
Thesis: The European Earwig in Seattle

William Ronald Wilson (Psychology)
A.B., University of Washington, 1917
Thesis: The Effect Upon Practice of Accompanying Conditioning Stimuli

Master of Science in Mechanical Engineering

Shinji Yonemoto B.S. in Mechanical Engineering, University of Michigan, 1920 Thesis: Scientific Management

Muster of Science in Ceramics

B.S. in Chemical Engineering, University of Washington, 1920 Thesis: Four Typical Refractory Clays of Washington

Master of Science in Metallurgy

Arvid Emil Anderson
B.S., University of Utah, 1920
Thesis: The Production and Melting of Sponge Iron

Arthur Paul Wickmann B.S. in Mining Engineering, University of Wyoming, 1919 Thesis: Froth Flotation of Coal

Master of Science in Forestry

Charles Fridolph Fogelquist B.S.F., University of Washington, 1920 Thesis: Planing Mill Practice and Design

Irvin William Otto Gamm
A.B., Northwestern University, 1916
B.S.F., University of Washington, 1920
Thesis: The Fibre-length of Douglas Fir as a Determinative Characteristic in the Treatment of Douglas Fir

Alexander Michael Koroleff M.F., University of Petrograd (Imperial Forestry Institute), 1913 Thesis: Logging by Crawler Type Tractors

Master of Science in Pharmacy
Omega Hilton
B.S., University of Washington, 1917
Thesis: The Action of Nitrosyl Chloride on Normal Heptane

Maria Ylagan Orosa
B.S., University of Washington, 1920
Thesis: Bethods of Assay and Chemistry of Neo-Arsphenamine

Master of Business Administration

Raphael Lester Kelly B.B.A., University of Washington, 1920 Thesis: A Blue Sky Law for the State of Washington

Muster of Arts in Business Administration

Toshio Ohtaguro A.B., Meiji University, 1915 Thesis: Transportation in Japan

Doctor of Philosophy

Chester Lacount Rich A.B., Boston University, 1915
M.A., Boston University, 1916
Thesis: The Progress of Humane Legislation in Washington

NORMAL DIPLOMAS

Five-Year Diploma

Finnicum, Ruth

Acils, Margaret Kathryn Aeils, Margaret Kathryn Anderson, Evelyn Martha Anderson, Helen Dorothy Anderson, Myrtle Elvina Ayres, Katherine Mary³ Bardon, Norma Martha Bassett, Charlotte Anne Birks, Margaret Elizabeth Blumenfeld, Zipora Bonner, Gertrude Brackett, Bertha² Bricker, William Albert Lee Brockman, Fred William Bruce, Irene Frances Burnham, Helen Marie Burnham, Helen Marie Bryant, Lucile Swigart Byers, Kathryn Ada² Camp, Dorothy Foster Campbell, Gertrude Cecelia Card, Mabel Catton, Mildred Wheeler Chamberlain, Elizabeth² Chesley, Dorothy Helen Conklin, Florina Agnes Connell, Archie Mitchell Cook, Jennie Nixon Craske, Fred² Culver, Leda Gertrude Cummings, Ardyce Helen Cutter, Susan Ethel² Cutts, Laura Louise Davies, Violet Davis, Lois Lillian Deierlien, Grace Margaret DeRosa, Florence Maries Dewhurst, Alice Janet
Dickinson, Laura Cornelia
Downing, James Mont
Dudley, Lila Adele
Eagan, Frances Marian
Ernerson, Frances Receion Emerson, Frances Bargion² Ensley, Talitha Eldora Farley, Helen Maria Farnsworth, Ruah Filz, Mildred Edna

Fulton, Grace Ganders, Harry Stanley² Gibson, Cora Eleanora Good, Josephine Dolores Gowran, Dawn Vivian Griffiths, Lois Wilfred Harrington, Florence Helmich, Merle Lillian Henderlite, Elmer Claude Victor Hibbard, Myra Hill, Glen Gordon Hills, Elizabeth³ Himmelsbach, Dora May Himmelsbach, Dora May
Hinman, Mary Albertine
Holland, Ruth
Hughes, Ina Belle²
Hyde, Marguerite Roberta
Jasperson, Agnes Grace
Jones, Margaret Slater
Jones, Marjoric
King, Dorothy
Lamoreux, Harey DeWitt
Larse, Mona Josephine
Leavitt, Marion Clare²
Lilly, Audrie Stella Leavitt, Marion Clares
Lilly, Audrie Stella
Lindley, (Mrs.) Alices
McCormick, Helen
Madison, Viola
Marot, (Mrs.) Ada Bouck
Marshal, Dorothy Edith Marshal, Dorolly Esther Melby, Esther Muriel Metsker, Margaret Ream Meyer, Rita Miller, Esther Jean Mills, (Mrs.) Adele Hoppock² Monteagle. Gwendolyn Annes Mortagie. Gwendown Myers, Margaret Esther Neer, Margaret Ryta Nell, Vera Nelson, Ellen Nelson, Laura Elsa Nemerovsky. Lena Leah Norman, Evelyn Minglis Olson, Lillian Eleanor

Orrell, Jessle
Overman, Marion Gray
Palne, Carol Margaret
Peterson, Gladys Loraine
Peterson, May Anita
Phelps, Grace Marie
Podmore, George Arthur²
Poysky, Tyne Christine
Preston, Louise Byrne
Reeves, Joseph Austin
Riddle, William Stanley
Robe, Vivian Moore
Ryerson, Hilms Clare
Simon, Henriette Rebecca
Sloan, Besse Andrews
Smith, Gladys Lucile
Smith, George Minms, Jr.²
Snow, Iola
Stanley, Maxine

Stead, Mirlam Ellen
Steineke, Pearl Acena
Summers, Doris Edith
Thomas, Gertrude Marion
Thompson, Catherine
Travis, (Mrs.) Jessie Kuhn
Troy, Marion Lucile
Vining, Marjorie Claire
Virtue, Jessie Hardy
Wagner, Florence Minerva
Walker, Bessie Marie
Watrous, Genie Ida²
Way, Lois Edith
Wenge, Esther Anna
Webster, Jessie Elizabeth²
Wharton, Florence Lillian
Wheeler, Verne Mae
Wiel, Bodil
Woodward, Harriett

University Life Diploma

Alport. Ruth Jessie
Anderson, Isabel Fitts³
Baker, Alice Harriet
Bartley, Georgia Lulu
Blair, Anna Clio
Connors, Edna
Cunningham. Theresa
David, Pearl La Rue
Desmond, Margaret Rose
Dryden. Cecil Pearl³
Emerson, Frances Bargion
Fleenor, Blankenship
Floyd, Lona Mildred
Foltz, Laura Azalia
Fraser, Alice Rosena
Gates, Louise
Glaser, Harry
Greguson. (Mrs.) Judith³
Hurley, Ernest Edmund²
Hutchison, Dora²
Jacobs, Isabel
Johnson, Mrs. Lucille Saunders³
Keenan, Helen Rose²
Kelsey, Louise³
Krafft, Gertrude³
Lindass, Anna²
McCall, Mrs. Bernadine Haller
McConlhe, Almee Katherine³

McEatee, Mary Elizabeth
McHugh, Ruth
McKay, Mary Hannah Isabel
Marion, Helen Isabel
Miller, Helen
Miller, Helen
Morgan, Miles Evan
Oliphant James Orin²
Olson, Cecilia Olive²
Parks, Grace Amelia²
Prestrud, (Mrs.), Jean Porter²
Pritchard, Millic Margaret²
Roys, Ruby
Schoettler, Mirlam Chapman²
Shaffer, Florence²
Simouson, Louise Katherine²
Smallwood, Gladys Nelsine
Strate, Johanna
Sundquist, Leonia Maria
Taylor, Martha Sarah
Tollefson, (Mrs.) Hazel Nisbit²
Tucker, Ruth Elizabeth
Vining, Marie
Wheeler, Gladys Fidele²
Willard, (Mrs.) Ethel Combs
Winter, Frank²

Senior Scholars-Class of 1921

Chesley, Dorothy Helen Davidson, Thomas Nelson Dunn, Beatrice Rerniece Greenwood, Lucile Marcelle Holland, Ruth Houck, Hazel McMorran, Jean Pauline Orrell, Jessie Smith, George Mimms Romanic Languages
Education
Business Administration
Journalism
Romanic Languages
Home Economics
Music
Mathematics
History

COMMISSIONS IN THE OFFICERS' RESERVE CORPS, UNITED STATES ARMY

Second Lieutenaut, Coast Artillery Corps

James Theodore Catlett Fred John Singer Glen Hart Walker

Second Lieutenant, Infantry

Virgil Leopold Anderson Floyd Raymond Brisack Cecil Byron Jamieson

DEGREES CONFERRED AUGUST 30, 1921

BACHELOR DEGREES

College of Liberal Arts

Buchelor of Arts

Allen, Mabelle
Anderson, Mary Holderman
Campbell, Jean Alison
Chen, Suen
Clark, Elizabeth Roulston
Cobb, Christinn Marie
Cochran, Catharyn Elizabeth
Coffman, Mabel Maurine
Criswell, Lois
Cutts, Beatrice Tyler
Fleenor, (Mrs.) Mame
Forbes, Edith
Gellermann, William
Gorman, Vinsen Ellen

Hjertoos, Gurina Oline
Hoover, Ralph Leonard
Johnson, (Mrs.) Leta B.
McGill, Vivian Jerauld
Martin, Mary Geneva
Mason, Irma Ruth
Moreland, Mildred
Morrison, Ruth Louise
Owen, Elizabeth Hayden Pratt
Stephenson, Edith Frances
Towne, Mertice Claire
Trawick, Margaret Philips
Van, Tsee-chong
Wilson, Frances Imogen

COLLEGE OF SCIENCE

Bachelor of Science

Crowder, Harriet Davis, Dorothy Carvel Gregg, Ralph Hawley, Sydney James Little, Dorothy Vernen McConihe, Marguerite Charbonnel Peden, Barton Edward Siler, Lillie May

Brown, Edith Olivia Hauck, Hazel Marie

COLLEGE OF EDUCATION

Bachelor of Education

Ahnquist, Martha Edith Brokaw, Marion A. Close, Aneita Lillian Cooney, Alta Carolyn Ector, Phebe Payne Foster, Charles Jacob Gray, Josephine Harris, Sarah Eleanor Mipp, Pearl Velma
McKim, Mrs. Margaret McLean
Miller, Elveta Leone
Morford, Helen Irene
Morton, Mamie Belle
Olmsted, Marion C.
Robertson, Berdena Marion
Stranack, Janet Katherine

COLLEGE OF FINE ARTS

Bachelor of Arts in Music

Burch, Clara Catherine Cole, Thelma Nadine Wheaton, Marion Elizabeth

Bachelor of Music Mason, Lela Ernestine

Bachelor of Fine Arts

Ely, John Carl Fellers, Josephine Sanders Pattison, Evelyn

Backelor of Arts in Dramatic Art

Teall, Mrs. Hazel Connell

College of Engineering

Bachelor of Science in Chemical Engineering Grant, Gary Gale

Bachelor of Science in Electrical Engineering

Adelson, Abraham Michael Landsburg. Robert Archibald Mattson, Nels Emanuel

Bachelor of Science Keyes, Harmon Edward COLLEGE OF PHARMACY

Graduate in Pharmacy

Haleston, Chris

Pharmaceutical Chemist

Dais, Ruth Magdaline Bachelor of Science

Cordero, Rosario Manala

Davis, Ruth Magdaline

COLLEGE OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

Anderson, Ray Horace
Bannwarth, Charles Gustave
Baker, Carl Oscar
Bates, Kenneth Ogden
Bellingham, Norman O.
Bien, Henry Hyl-sung
Brickell, Duncan Walker
Cheng, Chien-Feng
Dickerson, William Eugene
Elwick, Andrew
Foo, Yao Cheng
Goldman, Jack
Harvey, John Hamilton
Irvin, John Ivan
Johnston, Hazel Blanche

Knudson, Einar Mangnus Kongsle, Edward Lee, Juel Kuel Theodore McLeod, Gladys Irene McMillan, Gregor MacLeod MacNaughton, Eillen Miller, Ethel Adella Myers, Dicie Mildred Nelson, Leone Marie Fratt, Helen Van Ness Starin, Joseph Turner, Herbert Clair Turpin, Harbold Lester Wood, Arthur Garde

COLLEGE OF FISHERIES

Bachelor of Science in Fisheries

Pugsley, Walter Herbert

SCHOOL OF LAW

Ellis, Leon Hubbard Hover, Ernest John Hyndman, William L. Bachelor of Laws

Miller, Roy Charles Sprague, Hollister Thompson

LIBRARY SCHOOL

Bachelor of Arts

Hansen, Violo

Bachelor of Science in Library Science

Gill, Margaret Susannah

Grant, Muriel

SCHOOL OF JOURNALISM

Bachelor of Arts in Journalism

Verran, William Jr.

GRADUATE DEGREES

Master of Arts

Dean Stanley Bollman (English)
A.B., University of Washington, 1919
Thesis: The Social and Political Philosophy of G. Lowes Dickinson

Ewan Clague (Palitical Science)
A.B., University of Washington, 1917
Thesis: The Theory and Practice of Representation in the United States

Pearl Sibyl Coffinberry (Education)
A.B., Fairmount College, Kansas, 1907
Thesis: A Survey of Instruction in an Elementary School of Two Hundred Fifty Pupils

Henry Cremer (Education)
A.B., University of Washington, 1915
Thesis: Some Psychological Factors of Manual Arts

Oscar Kern Glover (Education)
A.B., University of Washington, 1919
Thesis: A Social and Educational Survey of School District No. 65 (Kapowsin), Pierce Co.,
Washington

Elmina Elizabeth Graham (English)

B.L., Whitman College, 1908

Thesis: A Comparison of the Novels of Charles Brockden Brown with Godwin's Caleb Williams

Harrison French Heath (Education)
B.S., University of Washington, 1916
Thesis: A Short Course in Vocational Civics for High School Seniors

Henry T. Imes (Education) B.Ed., University of Washington, 1918 Thesis: Vocational Guidance Through Arithmetic

Thayne Miller Livesay (Education)
A.B., Pacific University, 1917
Thesis: Administrative Plans for the Improvement of Retention and Promotion of Public School Children

Gabriel Loftfield (Education)

B.S., Valparaiso, 1893 A.B., University of Washington, 1918

Thesis: The Direct Principle in the Teaching of Modern Languages

John D. Meyer (Education)
A.B., Washington State College, 1912
Thesis: Results Obtained from the Otis Group Intelligence Scale Applied to School Grades
Four to Twelve Inclusive, of Harrington, Washington, and Some School Adjustments
Based Thereon.

Elvey Tillman Parsons (Education)
B.Ed., University of Washington, 1920
Thesis: A Study of the Taxation of Timber Lands in the State of Washington as a Source of Revenue for School Purposes

Tillman Peterson (Education)
A.B., Luther College, 1908
Thesis: Occupational Survey of the Hoquiam High Schools

Katherine Constance Robertson (English)
A.B., University of Washington, 1913
Thesis: A Critical Exposition of the Philosophy of Herbert G. Wells

Eleanor Marie Sickels (English)
A.B., Whitman College, 1917
Thesis: Prophets of Man: A Study in the Religion of the Socially Conscious Poets of Contemporary America

S. Bertta Wilson (English)

A.B., University of Washington, 1917

Thesis: Notes on the Doctrines and Sources of Sir Thomas B. Browne's Religio Medici

Wesley George Young (Education)
A.B., University of Washington, 1917
Thesis: An Interpretation of Recent Tendencies in English Education

Master of Science

Helen Elizabeth Eagleson (Psychology)

B.S., University of Washington, 1920 Thesis: The Effect of the Presence or Absence of an Accompanying Sound Stimulus in the Maze Learning of White Rats

Master of Business Administration

Lisette Emery Fast (Economics)
A.B. Leland Stanford, 1919
Thesis: The Efficiency of Cargo Handling in Relation to the Decasualization of Long-Shore Labor on the Seattle Waterfront

Lorraine Frankenfield (Business Administration)
A.B., Leland Stanford, 1919
Thesis: An Efficiency Rating for Departmental Managers in Department Stores

Doctor of Philosophy

Olive Kuntz (History)
A.B., University of California, 1916
M.A., University of California, 1917
Thesis: Tiberius Caesar and the Roman Constitution

DEGREES

NORMAL DIPLOMAS—August, 1921

Five-Year Normal Diploma

Abel, Helen Marian
Ahnquist, Martha Edith
Aitken, Victor Marshall
Ailen, Glenna Alicin
Baker, Carl Oscar
Billings, Rhea Ramona
Brokaw, Marion
Brown, Edith Olivin
Cage, Mary
Campbell, Jean Alison
Clark, Elizabeth Roulston
Cooney, Alta
Crowder, Harriet
Cutts, Beatrice Tyler
Ector, Phebe Payne
Eliwick, Andrew
Fleenor, Mrs. Mame
France, Alda May
Gunn, Elizabeth
Harris, Sarah Eleanor
Hauck, Hazel Marie
Hjertoos, Gurina Oline
Hughes, Cecil Leonard
Jaadan, Nels
Johnson, Mrs. Leta E.
Kipp, Pearl Velma

Anderson, John Franklin
Andrews, Etta
Arthur, Agnes
Bell, Doris Lillian
Binnings, Mildred Olive
Bonell, Hannah B.
Carey, Miles B.
Chandler, Elsie
Close, Aneita Lillian
Coffinberry, Pearl S.
Craske, Frederick H.
Ellis, John Boyd
Forbes, Edith
Foz, Viva
Gerriets, Anna
Good, Jane
Greene, Clyde Joseph
Hamm, Gladys
Hartmann, Elsie A.
Holman, Zelma L.
Hone, Marie C.
Houghton, Florence Lewis
Jerbert, Arthur Rudolph
Kronschnable, Mercedes

Larson, Victor Byron
McKim, Margaret McLean
Mason, Irma Ruth
Mason, Lela Ernestine
Morford, Helen Irene
Morford, Helen Irene
Moreland, Mildred
Myers, Dicle Mildred
Nelson, Leone Marie
Olmsted, Marion C.
Ostrander, Ruth E.
Packard, Augustus Henry
Pattison, Evelyn
Perkins, Georgia Yost
Rich, Estelle May
Robertson, Marian Berdena
Siler, Lillie May
Smith, Elfreda Allen
Stephenson, Edith Frances
Stranack, Janet K.
Teall, Mrs. Hazel Connell
Turner, Lloyd Edwin
Wassberg, Clarence E.
Watson, Anna E.
Whitehead, Virgil
Wilson, Frances Imogen

University Life Diploma

omn
Larsen, Laura Melana
Lewis, Helen Frater
MacPherson, Lexie
Manson, Gladys
Marsh, Constance Ardena
Martin, Lenore
Milkild, Mildred Eunice
Miller, Mrs. Edeltrud
Munger, Ruth Willard
Myer, Edna M.
Norton, Mamle Belle
Proctor, Muriel Esther
Quast, Iola
Roberts, Sara
Robinson, B. Veryl
Sater, Gertrude P.
Sheehan, Mary Madeline
Shelton, Lucy Mather
Simonds, Bather
Swegle, Adele Mae
Thwing, Clarence
Watt, Mabel
Xaxier, John Ulrick

FELLOWSHIPS, SCHOLARSHIPS AND PRIZES JUNE 20, 1921

†The Loretta Denny Fellowships
†The Arthur A. Denny Fellowships
†Fellowships in the College of Mines and the Northwest Experiment
Station United States Bureau of Mines
†The Dupont Fellowship

The Bon Marche Industrial Fellowship
Alice Rosena Fraser

Columbia University Fellowship in Mining Engineering and Chemistry
Stanley Gill

The Mars Fellowship (Not yet awarded)

The E. F. Blaine Oratorical Prize of \$100 Awarded to University of Idaho

The Judge Kenneth Mackintosh Debating Prize of \$75

James Milton Bailey Robert Stetson Macfarlane

The Isabella Austin Memorial Scholarship for a Freshman Woman Eliza May Hopf

The University State Bank Prize of \$100 Wendell Carl Edberg Carl Oscar Baker

The Judge Thomas Burke Prize of \$25 for Excellence in French
Miriam Remley

The Judge Thomas Burke Prize of \$15 for Excellence in French Lydia Louise Scott

> The Junior Military Prize Louis Fechter Janeck

The Samuel Rosenberg Scholarship of \$200 in French Germaine Mercier

The N. Paolella Gold Medal for Excellence in Italian
Marjorie Jones

The Felix Rosaia Prize of \$25 in Italian
Beth May Gilley

The Silvio Risegari Prize of \$50 in Italian Iris Canfield

The Frank Buty Prize in Italian
Thelma Harold

The Kellogg Prizes of \$35 in Architecture
Elizabeth Ayer *Marshall Walter Gill Doris Seibert

The Gamma Phi Beta Scholarship of \$100 Lols Janet Wentworth

The Sigma Delta Chi Prize of \$100 in Journalism Maurice Amiot Rupert Hamilton

The Washington Alumnae Scholarship of \$100 Ethel Marjorle Williams

The Vimy Ridge Chapter of the Daughters of the British Empire Prize of \$100

Elwood Hutcheson Honorable mention, Herbert Eddes

The Thomas Burke China Club Prize of \$25 Horace Gilbert

> The Ko Liang Yih Prize of \$25 Lillian Crane

The Venino Scholarship in Music Hazel Waechter

† See page 14.

*Died, June 25, 1921.

REGISTER OF STUDENTS-1921-1922

*Year course in Public Health Nursing

**U. S. Vocational Student

Aagaard, Estella, LD, BusSeattle
Aalto, Ilmi A, UD, MEDouglas, Alaska
Abbott, Susan, LD, LASeattle
Abel, Fred, LD, LAMontesano
Abeli Ches H TO PA Weterles Wie
Aber Temes F III FW Senttle
Abrahamson, Jacob, LD, Rus
Acacio. Tomas A. LD. CESeattle
Adams, Arlene Marie, UD, FASeattle
Adams, Carlton F, LD, EESeattle
**Adams, Eugene C, Sp, BusHunter, N D
Adams, G Evert, LD, BusSeattle
Adams, George B, LD, BusSeattle
Adams, Howard William, LD, Bus. Seattle
Adams, Lugh UD BATacoma
Adams, John C. L.D. Sci. Portland Or
**Adams, Nick. Sp. Bus
Adamson, Louise, LD. PharSeattle
Adamson, Merritt C, LD, EdSeattle
Adkins, Helen Ernestine, LD, SciSeattle
Agnolli, Andres G, LD, EdPhilippines
Agen, John Stuart, LD, BusSeattle
Agrico, Mertyl Jane, LD, LACentralia
Agrilla, Jose C IID Bue Dhilippines
Aguinaldo, Pedro D. Min Philippines
Aguinaldo, Pedro D.LD. Min Philippines
Aguirre, Humberto, Une, LAChile
Aharan, Ada Alma, LD, BusSeattle
Ahrens, Russel, LD, BusFarmington
Ainsworth, Ruth, UD, JourNewport
Attended, Edwin Perie. LD, Bus. Spokane
Aitken, Flerence Rose, IID, I.A
**Ajax. Ivor L. LD. BusWenatchee
**Ajax, Ivor L, LD, BusWenatchee Alambra, Jose Z, LD, SciPhilippines
**Ajax, Ivor L, LD, BusWenatchee Alambra, Jose Z, LD, SciPhilippines Albaugh, Dorothy G, LD, LASpokane
**Ajax, Ivor L, LD, Bus Wenatchee Alambra, Jose Z, ID, Sci Philippines Albaugh, Dorothy G, LD, LA Spokane Albee, Archie Veryl, UD, LA Seattle
**Ajax, Ivor L, LD, Bus Wenatchee Alambra, Jose Z, LD, Sci Philippines Albaugh, Dorothy G, LD, LA Spokane albee, Archie Veryl, UD, LA Seattle Alben, N Edna, Grad Vancouver
**Ajax, Ivor L, LD, Bus Wenatchee Alambra, Jose Z, LD, Sci Philippines Albaugh, Dorothy G, LD, LA Spokane Albee, Archie Veryl, UD, LA Seattle Alben, N Edna, Grad Vancouver Alden, John H, Grad Washington, D C
**Ajax, Ivor L, LD, Bus Wenatchee Alambra, Jose Z, LD, Sci Philippines Albaugh, Dorothy G, LD, LA Spokane Albee, Archie Veryl, UD, LA Seattle Alben, N Edna, Grad Vancouver Alden, John H, Grad Washington, D C Aldrich, Eric N, UD, Bus Walla Walla Maldwall Doroen, LD, LA. Port Angales
**Ajax, Ivor L, LD, Bus Wenatchee Alambra, Jose Z, ID, Sci Philippines Albaugh, Dorothy G, LD, LA Spokane Albee, Archie Veryl, UD, LA Seattle Alben, N Edna, Grad Vancouver Alden, John H, Grad Washington, D C Aldrich, Eric N, UD, Bus Walla Walla Aldwell, Doreen, LD, LA Port Angeles Aldwell, Norsh E, UD, Bus Port Angeles
**Ajax, Ivor L, LD, Bus Wenatchee Alambra, Jose Z, LD, Sci Philippines Albaugh, Dorothy G, LD, LA Spokane Albee, Archie Veryl, UD, LA Seattle Alben, N Edna, Grad Vancouver Alden, John H, Grad Washington, D C Aldrich, Eric N, UD, Bus Walla Walla Aldwell, Doreen, LD, LA Port Angeles Aldwell, Norah E, UD, Bus Port Angeles Algee, Thomas H, UD, ME So, Tacoma, R 1
**Ajax, Ivor L, LD, BusWenatchee Alambra, Jose Z, LD, SciPhilippines Albaugh, Dorothy G, LD, LASpokane Albee, Archie Veryl, UD, LASeattle Alben, N Edna, GradVancouver Alden, John H, GradWashington, D C Aldrich, Eric N, UD, BusWalla Walla Aldwell, Doreen, LD, LAPort Angeles Aldwell, Norah E, UD, BusPort Angeles Algeo, Thomas H, UD, ME So. Tacoma, R 1 Alinder, Eliste Kathryn, LD, SciSeattle
**Ajax, Ivor L, LD, Bus Wenatchee Alambra, Jose Z, LD, Sci Philippines Albaugh, Dorothy G, LD, LA Spokane Albee. Archie Veryl, UD, LA Seattle Alben, N Bøhan, Grad Vancouver Alden, John H, Grad Washington, D C Aldrich, Eric N, UD, Bus Walla Walla Aldwell, Doren, LD, LA Port Angeles Aldwell, Norsh E, UD, Bus Port Angeles Algeo, Thomas H, UD, ME So. Tacoma, R 1 Alinder, Elsie Kathryn, LD, Sci Seattle Allan, Hazel, LD, LA Seattle
**Ajax, Ivor L, LD, Bus Wenatchee Alambra, Jose Z, ID, Sci Philippines Albaugh, Dorothy G, LD, LA Spokane Albee, Archie Veryl, UD, LA Seattle Alben, N Edna, Grad Vancouver Alden, John H, Grad Washington, D C Aldrich, Eric N, UD, Bus Walla Walla Aldwell, Doreen, LD, LA Port Angeles Algeel, Thomas H, UD, Bus Port Angeles Algeo, Thomas H, UD, ME So. Tacoma, R 1 Alinder, Elsie Kathryn, LD, Sci Seattle Allan, Hazel, LD, LA Seattle Allan, Helen Quinton, LD, LA Seattle
**Ajax, Ivor L, LD, Bus
**Ajax, Ivor L, LD, Bus
**Ajax, Ivor L, LD, Bus Wenatchee Alambra, Jose Z, ID, Sci Philippines Albaugh, Dorothy G, LD, LA Spokane Albee, Archie Veryl, UD, LA Spokane Albee, Archie Veryl, UD, LA Seattle Alben, N Edna, Grad Vancouver Alden, John H, Grad Washington, D C Aldrich, Eric N, UD, Bus Walla Walla Aldwell, Doreen, LD, LA Port Angeles Aldwell, Noreh E, UD, Bus Port Angeles Algeo, Thomas H, UD, ME So. Tacoma, R 1 Alinder, Elsie Kathryn, LD, Sci Seattle Allan, Hazel, LD, LA Seattle Allan, Hazel, LD, LA Seattle Allen, Blanche Lucille, LD, Phar. Seattle Allen, David Clyde, LD. ME Taholah Allen, David Clyde, LD. ME Taholah Allen, Para LD, Phar. Seattle Salan
**Ajax, Ivor L, LD, Bus
**Ajax, Ivor L, LD, Bus Wenatchee Alambra, Jose Z, LD, Sci Philippines Albaugh, Dorothy G, LD, LA Spokane Albee, Archie Veryl, UD, LA Spokane Albee, Archie Veryl, UD, LA Seattle Alben, N Bdna, Grad Vancouver Alden, John H, Grad Washington, D C Aldrich, Eric N, UD, Bus Walla Walla Aldwell, Doreen, LD, LA Port Angeles Algeo, Thomas H, UD, Bus Port Angeles Algeo, Thomas H, UD, ME So. Tacoma, R 1 Alinder, Elsie Kathryn, LD, Sci Seattle Allan, Hazel, LD, LA Seattle Allan, Hazel, LD, LA Seattle Allen, Blanche Lucille, LD, Phar. Seattle Allen, David Clyde, LD. ME Taholah Allen, O Edward, UD, LA Duwall Allen, Edna, LD, Phar Selath Allen, C Edward, UD, EE Seattle Allen, Gordon C, LD, For Seattle Allen, Harry Warren, LD, Bus Seattle Allen, Harry Warren, LD, Bus Seattle Allen, Herbert W Jr, UD, Bus Spokane Allen, John M, 2d Law Seattle Allen, Lucena, Unc. Bus Seattle Allen, Lucena, Unc. Bus Seattle Allen, Hobel Mowy LD. LA.
**Ajax, Ivor I., LD, Bus
**Ajax, Ivor L, LD, Bus
**Ajax, Ivor L, LD, Bus Wenatchee Alambra, Jose Z, LD, Sci Philippines Albaugh, Dorothy G, LD, LA Spokane Albee, Archie Veryl, UD, LA Spokane Albee, Archie Veryl, UD, LA Spokane Albee, N Bøna, Grad Vancouver Alden, John H, Grad Washington, D C Aldrich, Eric N, UD, Bus Walla Walla Aldwell, Doreen, LD, LA Port Angeles Algeo, Thomas H, UD, ME So. Tacoma, R 1 Alinder, Elsie Kathryn, LD, Sci Seattle Allan, Hazel, LD, LA Seattle Allan, Hazel, LD, LA Seattle Allan, Hazel, LD, LA Seattle Allen, Blanche Lucille, LD, Phar. Seattle Allen, David Clyde, LD. ME Taholah Allen, Doris M, UD, LA Duvall Allen, Brdna, LD, Phar Selath Allen, Gordon C, LD, For Seattle Allen, Herbert W Jr, UD, Bus Seattle Allen, Herbert W Jr, UD, Bus Spokane Allen, John M, 2d Law Seattle Allen, Lucena, Unc, Bus Seattle Allen, Lucena, Unc, Bus Seattle Allen, Ruth Frances, LD, FA Toppenish Allen, Ruth Frances, LD, FA Toppenish Allen, Thomas S argent, LD, Bus Seattle
**Ajax, Ivor L, LD, Bus
**Ajax, Ivor L, LD, Bus
**Ajax, Ivor L, LD, Bus Wenatchee Alambra, Jose Z, LD, Sci Philippines Albaugh, Dosothy G, LD, LA Spokane Albee, Archie Veryl, UD, LA Spokane Albee, Archie Veryl, UD, LA Spokane Albee, Archie Veryl, UD, LA Seattle Alben, N Edna, Grad Washington, D C Aldrich, Eric N, UD, Bus Walla Walla Aldwell, Doreen, LD, LA Port Angeles Algeo, Thomas H, UD, ME So. Tacoma, R 1 Alinder, Eliste Kathryn, LD, Sci Seattle Allan, Hazel, LD, LA Seattle Allan, Hazel, LD, LA Seattle Allan, Hazel, LD, LA Seattle Allan, Blanche Lucille, LD, Phar. Seattle Allen, David Clyde, LD. ME Taholah Allen, Doris M, UD, LA Duvall Allen, Edna, LD, Phar Selah Allen, Erdman J, UD, Eng Seattle Allen, Erdman J, UD, Eng Seattle Allen, Brdman J, UD, Eng Seattle Allen, Harry Warren, LD, Bus Spokane Allen, Herbert W Jr, UD, Bus Spokane Allen, John M, 2d Law Seattle Allen, Lucena, Unc, Bus Spokane Allen, Ruth Frances, LD, FA Toppenish Allen, Thomas Sargent, LD, Bus Seattle Allen, Vers, UD, LA Seattle Allen, Vers, UD, LA Seattle Allen, Vers, UD, LA Seattle Allen, Webster George, Unc, For. La Conner Allyn, P, LD. Bus Seattle
**Ajax, Ivor L, LD, Bus
Angnard, Estella, LD, Bus

Amesbury, Helen Jean, LD, Bus...Seattle
Amiot, Maurice, UD, LA.....Spokane
Amos, Felipe B.....Philippines Anderberg, Marvin Ofelt, UD, ME. Spokane
Anders, Irene, LD, LA.....Seattle
Anderson, Adolph, LD, EE...Battle Ground

Arend, Harry O, LD. LASpokane Arima, Sumiyoshi, GradJapan
Arima, Sumiyoshi, GradJapan
Arkley, Helen L, UD. PharmTacoma
Armin, Julia E, LD. LALong Beach, Cal
Armitage, Harry H. LD. BusYakima
Armstrong, Margaret, LD, LA Seattle
Armstrong, Mildred E. LD. FA Seattle
Armitage, Harry H, LD, BusYakima Armstrong, Margaret, LD, LASeattle Armstrong, Mildred E, LD, FASeattle Armstrong, Ronald K, Sp. FishEngland
Arnegen T Elles Gred Norway
Arnesen, T Ellas, Grad
Arnold Dilmo D ID IA Contilo
Arnold Trederick C TD WD Coattle
Arnold, Frederick G, LD. EE Seattle
Arnold, Ruth L, UD, FANaches
Arnizen, Kawara J. GradParkiana
Aronin, Sam Morse, LD. LASeattle
Arquero, Justo, LD. SciPhimppines
Arzaga, Flaviano, LD. MEPhilippines
Ashton, Emmett R, UD. EESeattle
Ashton, Fred W Grad Seattle
**Astel, George Bernard, UD. Jour. Stanwood
Atkins, Ruth H, UD. LABellingham Attebury, Edgar R, Grad LAEverett
Attebury, Edgar R. Grad LA Everett
Atwood, Mary Cathryn, LD, Ed Seattle
Audett, Theoplas Bernard, LD, LA. Seattle
Auld, Willis B, LD, BusGranger
Ausman, Joseph M, S, FSeattle
Austin George Ray Gred Seettle
Austin, George Ray, GradSeattle Austin, Russell A, LD, BusAberdeen
Austin, Villars T, LD, SciPasco
Avorill Archic D T.D DD Dbs Delles Or
Averill, Archie E, LD, IEE. The Dalles, Or Avery, Dolores, LD, LASeattle Avery, Richard Lester, Spec, Eng. Seattle
Avery, Dolores, LD, LASeatue
Avery, Richard Lester, Spec, Eng. Seattle
Axman, Bertram, UD. EESeattle
Axtell, Frances L, LD, SciBellingham
Ayer, Hurley Russell, LD, BusSeattle
Ayers, Dorothy, UD, LAKirkland
Ayer, Hurley Russell, LD, BusSeattle Ayers, Dorothy, UD, LAKirkland **Ayers, Leland S, Unc, LASan Francisco
Ayers, Ethel LD, LAOlympia
Ayers, Pearl, UD, SciWapato

Babbitt, Frederic, LD, Eng. Seattle
Babcock, Mary E, LD, Sci. Seattle
Bachelor, Robert W, Grad. Tacoma
Backer, James, LD, EE. Seattle
Bacon, Katharine R, LD, LA. Seattle
Bacon, Katharine R, LD, LA. Seattle
Baley, Florence A, UD, Bus. Seattle
Balley, Arthur, LD, Bus. Seattle
Balley, Dorothy A, LD, Sci. Walla Walla
Balley, Dorothy B, LD, Sci. Seattle
Balley, Blisworth B, LD, EE. Tacoma
Balley, Blisworth B, LD, EE. Tacoma
Balley, Karriet R, 'LD, LA. Seattle
Balley, James M, 2nd Law. Seattle
Balley, Katharine A, LD, LA. Seattle
Balley, Katharine A, LD, LA. Seattle
Balley, William L, D, LA. Seattle
Balley, William L, 2nd Law. Seattle
Balley, William L, 2nd Law. Seattle
Balle, Provis M, UD, LA. Seattle
Balle, Robt T, UD, Bus. Seattle
Bain, Grace, LD, Bus. Seattle
Baird, Jean, LD, LA. Seattle
Baker, Albert L, UD Eng. Yakima
Baker, LD Drothy Ada, UD, LA. Seattle
Baker, Edward, LD, For. Redmond
Baker, Edward, LD, For. Redmond
Baker, Mrs. Ella M, Grad. Seattle
Baker

Ball, Rollyn J, UD, Bus.....Seattle Banker, Gordon, LD, Bus. ... Winthrop Banker, Helen D. UD, Ed. ... Winthrop Banks, Amy, LD, FA. ... Seattle Banks, Hugh Thomas, UD, LA. ... Seattle Baptista, Nicolas, LD, CB. ... Philippines Barberts, Albert Eugene, LD, Min. ... Seattle Barbour, Bernatta B, Unc, LA. ... Seattle Barclay, Elizabeth, UD, LA. ... Tacoma Barclay, Maisie, LD, Sci. ... Seattle Barclay, Maisie, LD, LA. ... Ontario, Cal Bardarson, Otto W, UD, Ed. ... Blaine Bardon, Bardon A, LD, LA. ... Seattle Bardon, Guy John, LD, LA. ... Seattle Barker, Robert Williams, LD, EB. ... Seattle Barker, Stuart Douglas, 2nd Law Seattle Barlow, Marie, LD, Ed. ... Bellingham Barnes, Beatrice W, LD, Sci. ... Seattle Barnes, Frances Jane, UD, LA. Tacoma Barnes, George H, LD, For. Rossland, B C Barnes, Ruth Mabel, Unc, LA. ... Salem, Or Barnett, Mack F, LD, Sci. ... Tacoma Barnett, Nell Mary, Grad ... Bellingham Barnett, Ada La Rue LD. Ed. ... Hillvard ... Bartle Barret Ada La Rue LD. Ed. ... Hillvard Barnhisel, Arthur H, UD, For Seattle Barquist, Eva M, UD, Sci. Seattle Barquist, Walter Conrad, LD, Min. Seattle Barrat, Boris, Unc, Min. Seattle Barrat, Boris, Unc, Min. Seattle Barrat, Ada La Rue, LD, Ed. Hillyard Barrett, Marshall Newton, LD, LA. Seattle Barron, Dale Herbert, LD, Phar. Seattle Barron, F Dorothy, LD, FA. Seattle Barron, F Dorothy, LD, FA. Seattle Barron, F Dorothy, LD, LA. Kake, Alaska Bartels, Louise Grace, LD, LA. Seattle Barthelemy, M Lillian, LD, LA. Seattle Barthelemy, M Lillian, LD, LA. Seattle Bartholomew, Wayne L, LD, BA. Seattle Bartholomew, Wayne L, LD, BA. Seattle Bartlett, Clara, UD, LA. Seattle Bartlett, Frederick A, UD, For. Boise, Ida Bascom, Hartzell W, LD, LA. Mooroe Bashey, Elmer, LD, ME. Tacoma Bashor, Thurston C, LD, LA. Kelso Bassett, Samuel Bitar, Unc, Law. Seattle Batcheller, Elva L, Grad. Seattle Batcheller, Elva L, Grad. Seattle Batcheller, Elva L, Grad. Seattle Batson, Mildred M, LD, Sci. Olympia Batson, Mabel A, Unc, Ed. Seattle Batwell, Edward Eaton. LD, Bus. Seattle Batwell, Edward Eaton. LD, Bus. Seattle Bautstat, Marcelino, LD, Ed. Philippines Baxter, Roscoe, LD, Bus. Walla Walla

Beck, N Bramlette, LD, LASeattle
Beck, Jean, LD, LASeattle
Book William H T.D Dru Contile
Reckerieck Rozella I.D I.A Seattle
Beckman, Jewel Melha, Unc. FAAsotin
Beckwith, Edris, UD, FASeattle
Beckwith, S Vilas Jr. UD, BusSeattle
Beddow, Elizabeth H. LD, FASeattle
Beebe, Marion Iva, LD, FASeattle
Beede, Alan F, LD, BusSeattle
Rooms Norman A LD Rus Sastile
Beezer, Arnold R. 1st LawSeattle
Beezer, Raymond Louis, LD. FASeattle
Belgum, Valborg Edna. Unc, LASeattle
Bell, Frank N, LD, BusBoise, Ida
Bell, James E, LD, PharPort Townsend
Pall John Kowl 2nd Law Santtle
Rell. Leglie Curtis, LD. CH Rellingham
Bell, Mildred, LD, LA
Bell, Ward Y, LD, EEPort Angeles
Bell, Wyloha, 1st LawSeattle
Belstad, Walter C, UD, SciSeattle
Bender, Edwin Brown, Unc., BusTacoma
Bender, Nathaniel B, LD, LATacoma
Bonocha Clarence T.D. T.A Sectile
Renedum, Darwin Marx, LD, Sci., Greenacres
Benham, Dorothy, LD, LASeattle
Benjamin, Bernice, LD, LASeattle
Benjamin, George T, LD, MinVancouver
Bennett, V Bruce, LD, EdSeattle
Bennett, Constance, LD, BusSeattle
Ronnett A Lee Gred Seettle
Bennett, Lillian V. LD. SciColfax
Bennett, Marjorie, UD, LAChehalis
Bennett, Richard Francis, UD, LA Seattle
Bennetts, Alice L. LD, LATacoma
Bennie, Alice Annie, UD, FAStanwood
Benson, Ciarence will, UD, LASpokane
Benson, Warren B. IID. Rus. Seattle
Benson, Willis C. UD. Eng Seattle
Bentley, Nora Mulock, LD, PharSeattle
Bentley, Nora Mulock, LD, PharSeattle Bentley, Otto S, LD, BusLynden, R. 2.
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle
Bentley, Nora Mulock, LD, Phar. Seattle Bentley, Otto S, LD, Bus. Lynden, R. 2. Benton, Ruth, LD, LA. Seattle Bereiter, Marvel, LD, LA. Seattle Service, Warvel, LD, LA. Seattle
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Buth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle Berg, Ferdinand, Phar Seattle
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle **Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R. UD. ME Seattle
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle **Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, MB Seattle Berg, Hanry R, UD, Ed Seattle
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, MB Seattle Berg, H Margaret, LD, Ed Seattle Berg, Lela B, LA Seattle
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Buth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle **Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, ME Seattle Berg, H Margaret, LD, Ed Seattle Berg, Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle **Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen, UD, Ed Seattle Berg, Henry R, UD, MB Seattle Berg, Henry R, UD, Bus Seattle Borg, Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrtle, UD, LA Tacoms
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle **Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, MB Seattle Berg, Henry R, UD, MB Seattle Berg, Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrtle, UD, LA Tacoms Berglund, N William, LD, ME Newcastle Bergrund, N William, LD, ME Newcastle Bergrund, Charlotte, UD, Ed Seattle
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Buth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle **Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, ME Seattle Berg, H Margaret, LD, Ed Seattle Berg, Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Wyrtle, UD, LA Tacoms Berglund, N William, LD, ME Newcastle Bergman, Charlotte, UD, Ed Seattle Bergman, Harry, LD, LA Seattle Bergman, Harry, LD, LA Seattle Bergman, Eugene E UD, Sci Port Angeles
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle **Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, MB Seattle Berg, Henry R, UD, Bus Seattle Berg, Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrtle, UD, LA Tacoma Berglund, N William, LD, ME Neveastle Bergman, Charlotte, UD, Ed Seattle Bergman, Charlotte, UD, Ed Seattle Bergman, Harry, LD, LA Seattle Bergman, Engene E, UD, Sci. Port Angeles Bergner, Evelyn, LD, Sci. Seattle
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, MB Seattle Berg, Henry R, UD, MB Seattle Berg, Lela B, LA Seattle Berg Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrtle, UD, LA Tacoma Berglund, N William, LD, ME Newcastle Bergman, Charlotte, UD, Ed Seattle Bergman, Harry, LD, LA Seattle Bergman, Ewgene E UD, Sci. Port Angeles Bergner, Ewelyn, LD, Sci. Seattle Bergstrom, Corrad E, LD, FA Hoquian
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle Bergier, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, ME Seattle Berg, Henry R, UD, ME Seattle Berg, Henry R, UD, LA Seattle Berg, Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrtle, UD, LA Tacoma Berglund, N William, LD, ME Newcastle Bergman, Charlotte, UD, Ed Seattle Bergman, Harry, LD, LA Seattle Bergman, Eugene E UD, Sci. Port Angeles Bergner, Evelyn, LD, Sci. Port Angeles Bergstrom, Courad E, LD, FA Hoquiam Bergstrom, Theo, LD, EE Seattle
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle **Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen, UD, Ed Seattle Berg, Henry R, UD, MB Seattle Berg, Henry R, UD, Bus Seattle Berg, Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrtle, UD, LA Seattle Berglund, N William, LD, ME Neversite Bergman, Charlotte, UD, Ed Seattle Bergman, Harry, LD, LA Seattle Bergman, Eugene E, UD, Sci. Port Angeles Bergner, Evelyn, LD, Sci. Seattle Bergstrom, Cornad B, LD, FA Hoquiam Bergstrom, Theo, LD, EE Seattle Bergolaki, Edward M, LD, LA Bellingham
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle **Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, MB Seattle Berg, Henry R, UD, MB Seattle Berg, Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrtle, UD, LA Tacoms Berglund, Myrtle, UD, LA Tacoms Berglund, N William, LD, ME Newcastle Bergman, Charlotte, UD, Ed Seattle Bergman, Harry, LD, LA Seattle Bergman, Evelyn, LD, Sci. Port Angeles Bergner, Evelyn, LD, Sci. Seattle Bergstrom, Conrad E, LD, FA Hoqulam Bergstrom, Theo, LD, EE Seattle Berolakl, Edward M, LD, LA Bellingham Berry, Elsa, LD, Sci. Portland, Or Berry, Grace, LD, LA Seattle
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle Bergiter, Marvel, LD, LA Seattle Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, ME Seattle Berg, Lela B, LA Seattle Berg, Lela B, LA Seattle Berg Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrile, UD, LA Seattle Berglund, Myrile, UD, LA Seattle Bergman, Charlotte, UD, Ed Seattle Bergman, Harry, LD, LA Seattle Bergman, Evelyn, LD, Sci. Port Angeles Bergner, Evelyn, LD, Sci. Seattle Bergström, Corrad B, LD, FA Hoqulam Berry, Elsa, LD, Sci. Portland, Oberry, Elsa, LD, Sci. Portland, Oberry, Grace, LD, LA Seattle Berry, Elsa, LD, Sci. Portland, Oberry, Helen, LD, Bus Seattle Berry, Elsa, LD, Bus Seattle Berry, Helen, LD, Bus Seattle Berry, Elsa, LD, Bus Seattle Berry, Helen, LD, Bus Seattle Berry, Elsa, LD, Bus Seattle Berry, Elsa, LD, Bus Seattle Berry, Helen, LD, Bus Seattle Berry, Elsa, LD, Bus Seattle Bus
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle Bergiter, Marvel, LD, LA Seattle Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen, UD, Ed Seattle Berg, Hangaret, LD, Ed Seattle Berg, Hangaret, LD, Ed Seattle Berg, Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrtle, UD, LA Tacoms Berglund, N William, LD, ME Newcarle Bergman, Charlotte, UD, Ed Seattle Bergman, Harry, LD, LA Seattle Bergman, Eugene E, UD, Sci. Port Angeles Bergner, Evelyn, LD, Sci. Seattle Bergstrom, Corrad E, LD, FA Hoquiam Bergstrom, Theo, LD, EE Seattle Bergriston, Theo, LD, EE Seattle Berry, Filsa, LD, Sci. Portland, Of Berry, Grace, LD, LA Seattle Berry, Helen, LD, Bus Seattle Berry, James J, LD, ME Puyallug
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle Bergiter, Marvel, LD, LA Seattle Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, MB Seattle Berg, Henry R, UD, MB Seattle Berg, Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrtle, UD, LA Tacoms Berglund, N William, LD, ME Neveastle Bergman, Charlotte, UD, Ed Seattle Bergman, Eugene E UD, Sci Port Angeles Bergman, Eugene E UD, Sci Seattle Bergstrom, Theo, LD, Es Seattle Bergstrom, Theo, LD, Es Seattle Berry, Elsa, LD, Sci Seattle Berry, Grace, LD, LA Seattle Berry, Helen, LD, Bus Seattle Berry, James J, LD, ME Puyallug Berry, Roy Neil, LD, CE Tacom
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle Bergiter, Marvel, LD, LA Seattle Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, MB Seattle Berg, Lela B, LA Seattle Berg Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrtle, UD, LA Tacoms Berglund, Myrtle, UD, LA Seattle Bergman, Charlotte, UD, Ed Seattle Bergman, Harry, LD, LA Seattle Bergman, Eugene B. UD, Sci. Port Angeles Bergner, Evelyn, LD, Sci. Seattle Bergstrom, Conrad E, LD, FA Hoquian Bergstrom, Theo, LD, EE Seattle Berojaki, Edward M, LD, LA Bellingham Berry, Elsa, LD, Sci. Portland, Or Berry, Grace, LD, LA Seattle Berry, Helen, LD, Bus Seattle Berry, James J, LD, ME Puyallu Berry, Tay Neil, LD, CE Tacoms Berst, Charles A, UD, Jour. Portland, Or
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle Bergetter, Marvel, LD, LA Seattle Berg, Grunnar Hansen, UD, Ed Seattle Berg, Grunnar Hansen, UD, Ed Seattle Berg, Hangaret, LD, Ed Seattle Berg, Lela B, LA Seattle Berg, Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrtle, UD, LA Seattle Berglund, Myrtle, UD, LA Seattle Berglund, N William, LD, ME Neveastle Bergman, Charlotte, UD, Ed Seattle Bergman, Eugene E, UD, Ed Seattle Bergman, Eugene E, UD, Sci. Port Angeles Bergner, Bvelyn, LD, Sci. Seattle Bergstrom, Conrad E, LD, FA Hoquiam Bergstrom, Theo, LD, EE Seattle Berry, Filsa, LD, Sci. Portland, On Berry, Grace, LD, LA Seattle Berry, James J, LD, ME Puyallug Berry, Roy Neil, LD, CE Tacome Berst, Charles A, UD, Jour Portland, On Bertelson E B, LD, Bus Albert Lea, Mint Best. Erle Clifton. LD LA Seattle
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, MB Seattle Berg, Henry R, UD, MB Seattle Berg, Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrtle, UD, LA Seattle Berglund, Myrtle, UD, LA Seattle Berglund, N William, LD, ME Neveastle Bergman, Charlotte, UD, Ed Seattle Bergman, Eugene E UD, Sci. Port Angeles Bergman, Eugene E UD, Sci. Port Angeles Bergner, Evelyn, LD, Sci. Seattle Bergstrom, Theo, LD, EE Seattle Berry, Elsa, LD, Sci. Portland, Or Berry, Grace, LD, LA Seattle Berry, Helen, LD, Bus Seattle Berry, Tames J, LD, ME Puyalluy Berry, Roy Neil, LD, CE Tacoms Berst, Charles A, UD, Jour Portland, Or Bertelson E B, LD, Bus Albert Lea, Mint Best, Erle Clifton, LD, LA Seattle Best, Erle Clifton, LD, LA Seattle Best, Erle Clifton, LD, LA Seattle Best, Frederick Bell, LD, LA Spokan
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, ID, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle Bergiter, Marvel, LD, LA Seattle Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, MB Seattle Berg, Henry R, UD, MB Seattle Berg, Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrtle, UD, LA Tacoma Berglund, Myrtle, UD, LA Tacoma Berglund, N William, LD, ME Newcastle Bergman, Charlotte, UD, Ed Seattle Bergman, Harry, LD, LA Seattle Bergman, Eugene E UD, Sci. Port Angeles Bergner, Evelyn, LD, Sci. Seattle Bergstrom, Theo, LD, EE Seattle Bergstrom, Theo, LD, EE Seattle Berry, Elsa, LD, Sci. Seattle Berry, Grace, LD, LA Bellingham Berry, Grace, LD, LA Seattle Berry, James J, LD, ME Puyallup Berry, Roy Neil, LD, CE Tacoma Berst, Charles A, UD, Juur Portland, Or Bertelson E B, LD, Bus Albert Lea, Min Best, Erle Clifton, LD, LA Seattle Bethel, Frederick Bell, LD, LA Seattle Bether, Virgil O, LD, Sci. Anacortee
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, MB Seattle Berg, Henry R, UD, MB Seattle Berg, Lela B, LA Seattle Berg, Lela B, LA Seattle Berglund, Myrtle, UD, LA Seattle Berglund, Myrtle, UD, LA Tacoma Berglund, Myrtle, UD, LA Seattle Bergman, Charlotte, UD, Ed Seattle Bergman, Charlotte, UD, Ed Seattle Bergman, Harry, LD, LA Seattle Bergman, Eugene B. UD, Sci. Port Angeles Bergner, Bvelyn, LD, Sci. Seattle Bergstrom, Conrad E, LD, FA Hoquiam Berry, Grace, LD, LA Seattle Berry, Grace, LD, LA Seattle Berry, James J, LD, MB Puyallug Berry, Grace, LD, LA Seattle Berry, James J, LD, MB Puyallug Berry, Roy Neil, LD, CE Tacoma Berst, Charles A, UD, Jour Portland, On Bertelson E B, LD, Bus Albert Lea, Mint Best, Erle Clifton, LD, LA Spokan Bethel, Frederick Bell, LD, LA Spokan Bethel, Frederick Bell, LD, LA Spokan Bettle, Vilis A, Spect Seattle Betts, Elias A, Spec Seattle
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle Bergetter, Marvel, LD, LA Seattle Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen, UD, Ed Seattle Berg, Henry R, UD, MB. Seattle Berg, Lela B, LA Seattle Berg, Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrtle, UD, LA Seattle Berglund, Myrtle, UD, LA Seattle Berglund, Myrtle, UD, Ed Seattle Bergman, Charlotte, UD, Ed. Seattle Bergman, Harry, LD, Ed. Seattle Bergman, Eugene B, UD, Sci. Port Angeles Bergmer, Evelyn, LD, Sci. Seattle Bergstrom, Too, LD, Ed. Seattle Bergstrom, Theo, LD, EE Seattle Berry, Grace, LD, LA Seattle Berry, Tames J, LD, ME Puyalluy Berry, Roy Neil, LD, CE Tacoms Berst, Charles A, UD, Jour Portland, O Bertelson E B, LD, Bus Albert Lea, Min Best, Erle Clifton, LD, LA Seattle Bethel, Frederick Bell, LD, LA Spokam Bettner, Virgil O, LD, Sci. Anacortes Betts, Ellias A, Spec Seattle Bever, James, Grad Bellinghan
Bentley, Nora Mulock, LD, Phar Seattle Bentley, Otto S, LD, Bus Lynden, R. 2. Benton, Ruth, LD, LA Seattle Bereiter, Marvel, LD, LA Seattle Bergeiter, Marvel, LD, LA Seattle Berg, Ferdinand, Phar Seattle Berg, Gunnar Hansen. UD, Ed Seattle Berg, Henry R, UD, MB Seattle Berg, Henry R, UD, MB Seattle Berg, Lela B, LA Seattle Berglund, Theos H, UD, Bus Seattle Berglund, Myrtle, UD, LA Tacoma Berglund, Myrtle, UD, LA Tacoma Berglund, N William, LD, ME Neveastle Bergman, Charlotte, UD, Ed Seattle Bergman, Eugene E. UD, Sci. Port Angeles Bergman, Eugene E. UD, Sci. Fort Angeles Bergner, Evelyn, LD, Sci. Seattle Bergstrom, Theo, LD, EE Seattle Berry, Elsa, LD, Sci. Portland, Or Berry, Grace, LD, LA Seattle Berry, Helen, LD, Bus Seattle Berry, Roy Neil, LD, CE Tacoma Berry, Roy Neil, LD, CE Tacoma Berst, Charles A, UD, Juur. Portland, Or Bertelson E B, LD, Bus Albert Lea, Minn Best, Erle Clifton, LD, LA Seattle Betthe, Frederick Bell, LD, LA Spokano Betther, Virgil O, LD, Sci. Anacortes Bevel, Blanche, Lillian, LD, Bus Seattle Bever, James, Grad Bellinghan Bewell, Blanche, Lillian, LD, Bus Seattle Bewell, Blanche, Lillian, LD, Bus Seattle
Beck, Jean, I.D., I.A. Seattle Beck, Otto Franklin, Spec. Seattle Beck, William H. LD, Bus. Seattle Beckerjeck, Rozella, I.D., I.A. Seattle Beckwith, Edris, U.D., FA. Seattle Beckwith, Edris, U.D., FA. Seattle Beckwith, S. Villas Jr., U.D., Bus. Seattle Beckwith, S. Villas Jr., U.D., Bus. Seattle Becke, Marion Iva, I.D., FA. Seattle Beede, Marion Iva, I.D., FA. Seattle Beede, Marion Iva, I.D., FA. Seattle Beede, Marion Iva, I.D., Bus. Seattle Beeder, Donald T., U.D., Sci. Seattle Beezer, Arnold R., Ist. Law. Seattle Beezer, Arnold R., Ist. Law. Seattle Belgum, Valborg Edna. Unc, I.A. Seattle Bell, James B., I.D., Phar. Port Townsend **Bell, James M., Sp., Fish. Seattle Bell, James B., I.D., Phar. Port Townsend **Bell, James M., Sp., Fish. Seattle Bell, John Karl, 3rd Law. Seattle Bell, Mildred, I.D., I.A. Seattle Bell, Wyloha, 1st Law. Seattle Bell, Wyloha, 1st Law. Seattle Bender, Rawin Brown, Unc, Bus. Tacoma Bender, Nathaniel B., I.D., I.A. Aberdeen Benecke, Clarence, I.D., I.A. Seattle Bender, Nathaniel B., I.D., I.A. Seattle Bender, Darwin Marx, I.D., Sci. Greenacres Benham, Dorothy, I.D., I.A. Seattle Benjamin, Bernice, I.D., LA. Seattle Benjamin, Bernice, I.D., LA. Seattle Bennett, Vorgat Goodwin, I.D., I.A. Seattle Bennett, Marjorie, U.D., Ed. Seattle Bennett, Marjorie, U.D., LA. Seattle Bennett, Alice Annie, U.D., FA. Stanwood Benson, Bichard, I.D., I.A. Seattle Bennett, Alice Annie, U.D., FA. Stanwood Benson, Richard, I.D., I.A. Seattle Bennett, Marjorie, U.D., I.A. Seattle Bennett, Marjorie, U.D., I.A. Seattle Bennett, Richard Francis, U.D., I.A. Seattle Bennett, Jalica Annie, U.D., FA. Stanwood Benson, Richard, I.D., I.A. Seattle Benson, Warren B, U.D., Bus. Seattle Benson, Warren B, U.D., Bus. Seattle Bergund, Myrtle, U.D., I.A. Seattle Be

Bigby, Valley, LD, FA...... Tacoma Bigelow, Dwight E, LD, Bus....Payette, Ida Bigelow, Dwight E, LD, Bus...Payette, Ida
Bigelow, Edris, UD, Bus...Edmonds
Biggs, M Catherine, UD, FA....Seattle
Biggs, Lodle, UD, Phar......Seattle
Biggs, Lodle, UD, Phar......Seattle
Bille, Margaret Jane, UD, Ed...Tacoma
Bille, Margaret Jane, UD, Ed...Tacoma
Bille, Margaret Jane, UD, Ed...Seattle
Billings, Charles N, LD, CB....Seattle
Billings, Charles N, LD, CB....Seattle
Billingham, Harlan Dale, Sp. Bus...Seattle
Bindon, Leonard W, LD, FA....Seattle
Bingham, Blanche Irene, LD, LA...Seattle
Bingham, Florine, LD, FA....Seattle
Bingham, Robin Adair, LD, Sci...Pt Angeles
Bingham, Selwyn Alfred, UD, CE...Seattle
Bircher, Donald O, Spec..Minneapolis, Minn
"Bishop, Vivian Eleanor, LD, Sci...Everett
Bissett, Clark P Jr, 1st Law...Seattle
Bitner, Ella, UD, Sci....Kellogg, Ida
Bjorkman, Frank W, Grad....Tacoma
Bjorkquist, Enoch Joseph, UD, LA...Spokane
Black, Elizageth, UD, LA...Ellensburg
Black, Birth U, LD, Sci....Port Angeles
Black, Myron Watt, UD, Ch E...Spokane
Black, Ruth U, LD, Sci....Port Angeles
Black, Edward Linn Jr, UD. Bus. Seattle
Blain, Birdle, LD, Sci.....Berkeley, Cal
Blake, Beatrice, LD, Sci....Berkeley, Cal
Blake, Emille Isabelle, LD, LA...Wenatchee
"Blake, Joseph R, For.....Seattle
Blanke, Harvey Dalton, LD, LA...Wenatchee Bigelow, Edris, UD, Bus......Edmonds

Borland, W J, SpecSeattle Borrow, Dorothy E, LD, LASeattle
Borrow Dorothy H LD LA Souttle
Dorrow Months TD TA
Borrow Martha, LD, LASeattle Borst, Joseph O, LD, EngCentralia
Borst, Joseph O, LD, EngCentralia
**Borst, Sylvia, FASeattle
Boryer, Robert Johnson, Unc. LA Seattle
Boundy, C Milburn, LD, EdSeattle
Boutelle, Virginia S, LD, LASeattle
Bowden, Keble Elsworthy, LD, Bus. Seattle
**Bowen, Albert H, ChESeattle
Bowen, Frank Herbert, UD, Ed. Montesano
Bowen,, William E, LD, BusSpokane
Bower, Donald Duane, LD, BusCentralia
Bower, Phyllis M, LD, EdSeattle
Bowman, Beulan, UD, SciSeattle
Power Vorson H I.D For Scattle
Rowman William Mahtan
Rowman William I.D T.A Saattle
Royd Eather LD LA Souttie
Boyd Robert J LD Min Stellscoom
Boyer, Vers. UD. LAPortland, Or
Boyer, Walter O. LD. FA
Boyer, Margaret, UD, LA Portland, Or
Boyle, Gordon Lovett, LD, Bus Everett
Boyle, Joseph W. LD. LATacoma
Boynton, Fred Richard, LD, LA Seattle
Brackett, Leroy W. LD, EngYakima
Bracken, Harold A, LD, PharSeattle
Bradford, Caty J, LD, PharSeattle
**Bradford, Denman F, BusSeattle
Brady, John L, LD, BusSeattle
Bragdon, E Wynne, LD, SciSeattle
Bragg, George Tully, LD, BusSeattle
Brainard, Silas A, LD, BusSeattle
Brassington, Dorothy H, LD, LASeattle
Brattin, Nolla M. LD, BusBelmont, Cal
Drawn Dowl T TTD 302 Warrell
Diaul, Faut J, UD, Mis
Buow Puonit Nothan I.D Dra Quattia
Bray, Frank Nathan, LD, BusSeattle
Bray, Frank Nathan, LD, BusSeattle Bray, J Harold, LD, BusSeattle Bray, Ruth Arvesta, LD, LASeattle
Bray, Frank Nathan, LD, BusSeattle Bray, J Harold, LD, BusSeattle Bray, Ruth Arvesta, LD, LASeattle Brazell, Thomas LD, BusSeattle
Bray, Frank Nathan, LD, BusSeattle Bray, J Harold, LD, BusSeattle Bray, Ruth Arvesta, LD, LASeattle Brazell, Thomas, LD, BusSeattle Brazier, Donald H. LD, BusSeattle
Bray, Frank Nathan, LD, BusSeattle Bray, J Harold, LD, BusSeattle Bray, Ruth Arvesta, LD, LASeattle Brazell, Thomas, LD, BusSeattle Brazier, Donald H, LD, BusSeattle Breakey, Forrest, LD, BusBellingham
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA. Seattle Brazell, Thomas, LD, Bus. Seattle Brazier, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Brerz, Carl W. UD, ME. Seattle
Bray, Frank Nathan, LD, Bus
Bray, Frank Nathan, LD, Bus
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD. LA. Seattle Brazell, Thomas, LD. Bus. Seattle Brazier, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Bregg, Dorsey A, LD, EE. Seattle Brenan, Gretchen, UD, Bus. Seattle Brengan, Samuel McClure, UD, ME. Seattle
Bray, Frank Nathan, LD, Bus Seattle Bray, J Harold, LD, Bus Seattle Bray, Ruth Arvesta, LD, LA Seattle Brazell, Thomas, LD, Bus Seattle Brazler, Donald H, LD, Bus Seattle Breakey, Forrest, LD, Bus Bellingham Bregg, Carl W, UD, ME Seattle Bregg, Dorsey A, LD, EE Seattle Brengm, Gretchen, UD, Bus Seattle Brengan, Samuel McClure, UD, ME. Seattle Brennan, Robert A, LD, Bus Seattle
Bray, Frank Nathan, LD, Bus Seattle Bray, J Harold, LD, Bus Seattle Bray, Ruth Arvesta, LD, LA. Seattle Brazell, Thomas, LD, Bus Seattle Brazell, Thomas, LD, Bus Seattle Breakey, Forrest, LD, Bus Bellingham Bregg, Carl W, UD, ME Seattle Bregg, Dorsey A, LD, EE. Seattle Brehm, Gretchen, UD, Bus Seattle Brennan, Robert A, LD, Bus Seattle Brennan, Robert A, LD, Bus Seattle Brenseler, Dorothy, LD, LA. Seattle
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA Seattle Brazell, Thomas, LD, Bus. Seattle Brazier, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Bregg, Corl W, UD, ME. Seattle Brengan, Samuel McClure, UD, Seattle Brengan, Samuel McClure, UD, ME. Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA Seattle Bresthorst, Alice B, UD, Ed. Seattle Brethorst, Alice B, UD, Ed. Seattle
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA Seattle Brazell, Thomas, LD, Bus. Seattle Brazell, Thomas, LD, Bus. Seattle Brazelr, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Bregg, Dorsey A, LD, EE Seattle Breng, Gretchen, UD, Bus. Seattle Brengan, Samuel McClure, UD, ME Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA Seattle Brethorst, Alice B, UD, Ed. Seattle *Brewer, Glenn E, LD, LA Seattle
Bray, Frank Nathan, LD, Bus Seattle Bray, J Harold, LD, Bus Seattle Bray, Ruth Arvesta, LD, LA Seattle Brazell, Thomas, LD, Bus Seattle Brazier, Donald H, LD, Bus Seattle Breakey, Forrest, LD, Bus Bellingham Bregg, Carl W, UD, ME Seattle Bregg, Corsey A, LD, EE Seattle Bregm, Gretchen, UD, Bus Seattle Brehm, Gretchen, UD, Bus Seattle Brennan, Robert A, LD, Bus Seattle Brennan, Robert A, LD, Bus Seattle Brenseler, Dorothy, LD, LA Seattle Brethorst, Alice B, UD, Ed Seattle Bricker, John Paul, LD, For Seattle Bricker, John Paul, LD, For Seattle
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA Seattle Bray, Ruth Arvesta, LD, LA Seattle Brazlel, Thomas, LD, Bus. Seattle Brazler, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Bregg, Corl W, UD, ME. Seattle Brengan, Samuel McClure, UD, Seattle Brennan, Samuel McClure, UD, MS. Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA. Seattle Brethorst, Alice B, UD, Ed. Seattle Brethorst, John Paul, LD, Ed. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Glenn Harvey, LD, Bus. Seattle
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA. Seattle Brazell, Thomas, LD, Bus. Seattle Brazler, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Brengg, Dorsey A, LD, EE. Seattle Brengg, Gretchen, UD, Bus. Seattle Brengan, Samuel McClure, UD, ME Seattle Brennan, Robert A, LD, Bus. Seattle Brenssler, Dorothy, LD, LA. Seattle Brethorst, Alice B, UD, Ed. Seattle Brethorst, Alice B, UD, Ed. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Glenn Harvey, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Vashon
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA. Seattle Brazell, Thomas, LD, Bus. Seattle Brazell, Thomas, LD, Bus. Seattle Brazell, Thomas, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Bregg, Dorsey A, LD, EE. Seattle Brengan, Samuel McClure, UD, ME. Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA. Seattle Bressler, Dorothy, LD, LA. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Glenn Harvey, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA Seattle Bray, Ruth Arvesta, LD, LA Seattle Brazlel, Thomas, LD, Bus. Seattle Brazler, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Bregg, Corl W, UD, ME. Seattle Brengan, Samuel McClure, UD, MB. Seattle Brennan, Samuel McClure, UD, MB. Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Brethorst, Alice B, UD, Ed. Seattle Bricker, John Paul, LD, Ed. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Glenn Harvey, LD, Bus. Seattle Bridgeman, Glenn Harvey, LD, Bus. Seattle Bridgeman, Lipdia, Nur Seattle Bridgeman, Lydia, Nur Seattle Bridston, Lydia, Nur Seattle Bridston, Olga, UD, Ed. Seattle Bridston, Olga, UD, Ed. Seattle
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA Seattle Brazell, Thomas, LD, Bus. Seattle Brazler, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Bregg, Dorsey A, LD, EE Seattle Brengan, Samuel McClure, UD, ME Seattle Brennan, Robert A, LD, Bus. Seattle Brensner, Dorothy, LD, LA Seattle Brethorst, Alice B, UD, Ed. Seattle Brethorst, Alice B, UD, Ed. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Glenn Harvey, LD, Bus Seattle Bridgeman, Glenn Harvey, LD, Bus Seattle Bridgeman, Alfred W, LD, Bus. Vashon Bridston, Olga, UD, Ed. Seattle Bridston, Olga, UD, Ed. Seattle Brief, Howard, LD, Bus. Everett Brief, Howard, LD, Bus. Everett Briefer, Howard, LD, Bus. Everett
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA. Seattle Bray, Ruth Arvesta, LD, LA. Seattle Brazell, Thomas, LD, Bus. Seattle Brazler, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Breng, Dorsey A, LD, EE. Seattle Brengan, Samuel McClure, UD, ME. Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA. Seattle Bressler, Dorothy, LD, LA. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Glenn Harvey, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Lydia, Nur Seattle Bridston, Lydia, Nur Seattle Brier, Howard, LD, Ed. Seattle Brier, Howard, LD, Bus. Everett Briggs, Clifford M, LD, EE. Bremerton Briles Gerald W, LD, Bus. Seattle
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA Seattle Bray, Ruth Arvesta, LD, LA Seattle Braziel, Thomas, LD, Bus. Seattle Brazier, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Bregg, Carl W, UD, ME. Seattle Brengan, Samuel McClure, UD, Mos. Seattle Brengan, Samuel McClure, UD, Mos. Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA. Seattle Brethorst, Alice B, UD, Ed. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Glenn Harvey, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Brier, Howard, LD, Bus. Everett Briggs, Clifford M, LD, EE. Bremerton Briles, Gerald W, LD, Bus. Seattle Briers, Gerald W, LD, Bus. Seattle
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA Seattle Brazell, Thomas, LD, Bus. Seattle Brazler, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Bregg, Dorsey A, LD, EE Seattle Brengan, Samuel McClure, UD, ME Seattle Brengan, Samuel McClure, UD, ME Seattle Brennan, Robert A, LD, Bus. Seattle Brenssler, Dorothy, LD, LA Seattle Brethorst, Alice B, UD, Ed. Seattle Brethorst, Alice B, UD, Ed. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Glenn Harvey, LD, Bus Seattle Bridgeman, Glenn Harvey, LD, Bus Seattle Bridgeman, Alfred W, LD, Bus. Vashon *Bridston, Ugia, Vur. Seattle Brier, Howard, LD, Ed. Seattle Briegg, Clifford M, LD, EE Bremerton Briles, Gerald W, LD, Bus. Seattle Brinch, Stephen M, Grad. Seattle Brinchust, Alice C, UD, LA. Seattle
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA Seattle Bray, Ruth Arvesta, LD, LA Seattle Brazell, Thomas, LD, Bus. Seattle Brazler, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Bregg, Carl W, UD, ME. Seattle Brengan, Samuel McClure, UD, Mus. Seattle Brengan, Samuel McClure, UD, Mus. Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA Seattle Bressler, Dorothy, LD, LA Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Lydia, Nur Seattle Brier, Howard, LD, Bus. Seattle Brier, Gerald W, LD, Bus. Seattle Bringe, Gerald W, LD, Bus. Seattle Bringe, Stephen M, Grad. Seattle Bringhurst, Alice C, UD, LA. Seattle Bringle Ellen, UD, LA. Seattle
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA. Seattle Bray, Ruth Arvesta, LD, LA. Seattle Braziel, Thomas, LD, Bus. Seattle Brazier, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Brenga, Carl W, UD, ME. Seattle Brengan, Samuel McClure, UD, ME Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA. Seattle Brethorst, Alice B, UD, Ed. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgston, Lydia, Nur Seattle Bridgston, Olga, UD, Ed. Seattle Brier, Howard, LD, Bus. Everett Briggs, Clifford M, LD, EE. Bremerton Briles, Gerald W, LD, Bus. Seattle Brinck, Stephen M, Grad. Seattle Brinck, Stephen M, Grad. Seattle Bringhurst, Alice C, UD, LA. Ypsilanti, Mich Brink, Earl Herbert, LD, Bus. Tacoma
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA. Seattle Brazell, Thomas, LD, Bus. Seattle Brazell, Thomas, LD, Bus. Seattle Brazell, Thomas, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Brengs, Dorsey A, LD, EE. Seattle Brengan, Samuel McClure, UD, ME. Seattle Brengan, Samuel McClure, UD, ME. Seattle Brennan, Bobert A, LD, Bus. Seattle Brensaler, Dorothy, LD, LA. Seattle Bressler, Dorothy, LD, LA. Seattle Bressler, Dorothy, LD, LA. Seattle Bridgeman, Glenn Harvey, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridston, Lydia, Nur Seattle Bridgeman, Gerald W, LD, Bus. Everett Briggs, Clifford M, LD, EE. Bremerton Briles, Gerald W, LD, Bus. Seattle Bringhurst, Alice C, UD, LA. Seattle Bringhurst, Alice C, UD, LA. Seattle Bringhurst, Alice C, UD, LA. Seattle Bringher, Ellen, UD, LA. Spattle Bringher, Ellen, UD, LA. Spattle Bringhe, Ellen, UD, LA. Spattle Bringhe, Ellen, UD, LA. Seattle Bringhe, Ellen, UD, LA. Seattle Bringhe, Ellen, UD, LA. Spattle Bringhe, Ellen, UD, LA. Seattle Bringhe, Ellen, UD, LA. Spattle Bringhe, Ellen, UD, LA. Spattle Bringhe, Ellen, UD, LA. Spattle Bringhe, Ellen, UD, LA. Monroe
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA Seattle Bray, Ruth Arvesta, LD, LA Seattle Brazell, Thomas, LD, Bus. Seattle Brazler, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Seattle Bregg, Carl W, UD, ME. Seattle Bregg, Carl W, UD, ME. Seattle Brengan, Samuel McClure, UD, Mus. Seattle Brengan, Samuel McClure, UD, Mus. Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA. Seattle Bressler, Dorothy, LD, Ed. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Glenn Harvey, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Lydia, Nur Seattle Brier, Howard, LD, Bus. Seattle Brier, Howard, LD, Bus. Seattle Brier, Howard, LD, Bus. Seattle Brier, Gerald W, LD, Bus. Seattle Brinck, Stephen M, Grad. Seattle Brinck, Stephen M, Grad. Seattle Bringle, Ellen, UD, LA. Seattle Brockman, Blaine, Unc, Law. Seattle
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA. Seattle Bray, Ruth Arvesta, LD, LA. Seattle Braziel, Thomas, LD, Bus. Seattle Brazier, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Seattle Bregg, Carl W, UD, ME. Seattle Bregg, Carl W, UD, ME. Seattle Brenga, Samuel McClure, UD, MB Seattle Brengan, Samuel McClure, UD, MB Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA. Seattle Brethorst, Alice B, UD, Ed. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgston, Lydia, Nur Seattle Bridgston, Olga, UD, Ed. Seattle Brier, Howard, LD, Bus. Everett Briggs, Clifford M, LD, EE. Bremerton Briles, Gerald W, LD, Bus. Seattle Brinck, Stephen M, Grad. Seattle Brinck, Stephen M, Grad. Seattle Brink, Earl Herbert, LD, Bus. Seattle Brink, Earl Herbert, LD, Bus. Tacoma Brix, Dale Russell, LD, Sci. Monroe Brockman, Blaine, Unc, Law. Seattle Broder, Percy C, LD, Bus. Seattle
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA. Seattle Brazell, Thomas, LD, Bus. Seattle Brazell, Thomas, LD, Bus. Seattle Brazell, Thomas, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Brengs, Dorsey A, LD, EE. Seattle Brengan, Samuel McClure, UD, ME. Seattle Brengan, Samuel McClure, UD, ME. Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Brensaler, Dorothy, LD, LA. Seattle Bressler, Dorothy, LD, LA. Seattle Bressler, Dorothy, LD, LA. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Brier, Howard, LD, Bus. Everett Briggs, Clifford M, LD, EE. Bremerton Briles, Gerald W, LD, Bus. Seattle Bringle, Ellen, UD, LA. Seattle Bring, Earl Herbert, LD, Bus. Tacoma Brix, Dale Russell, LD, Sci. Monroe Brockman, Blaine, Unc, Law. Seattle Brooskaya, Natalle, Unc, LA. Russia
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA Seattle Bray, Ruth Arvesta, LD, LA Seattle Brazell, Thomas, LD, Bus. Seattle Brazler, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Seattle Bregg, Carl W, UD, ME. Seattle Bregg, Carl W, UD, ME. Seattle Brengan, Samuel McClure, UD, Mus. Seattle Brengan, Samuel McClure, UD, Mus. Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA. Seattle Bressler, Dorothy, LD, LA. Seattle Brethorst, Alice B, UD, Ed. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Brier, Howard, LD, Bus. Seattle Brinck, Stephen M, Grad. Seattle Brinck, Stephen M, Grad. Seattle Bringle, Ellen, UD, LA. Seattle Bringle, Ellen, UD, LA. Seattle Bringle, Ellen, UD, LA. Seattle Bringk, Ellen, UD, LA. Seattle Bringk, Ellen, UD, LA. Seattle Brink, Earl Herbert, LD, Bus. Tacoma Brix, Dale Russell, LD, Sci. Monroe Brockman, Blaine, Unc, Law. Seattle Brodskaya, Natalle, Unc, LA. Russia Brogren, E, LD, Sci. New Westminster, B C
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA Seattle Bray, Ruth Arvesta, LD, LA Seattle Brazell, Thomas, LD, Bus. Seattle Brazier, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Seattle Bregg, Carl W, UD, ME. Seattle Bregg, Carl W, UD, ME. Seattle Brenga, Samuel McClure, UD, MB Seattle Brengan, Samuel McClure, UD, MB Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA Seattle Brethorst, Alice B, UD, Ed. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgen, Olga, UD, Ed. Seattle Brier, Howard, LD, Bus. Everett Briggs, Clifford M, LD, EE Bremerton Briles, Gerald W, LD, Bus. Seattle Brinck, Stephen M, Grad. Seattle Brinck, Stephen M, Grad. Seattle Brink, Earl Herbert, LD, Bus. Seattle Brink, Earl Herbert, LD, Bus. Seattle Brink, Earl Herbert, LD, Bus. Seattle Broder, Percy C, LD, Bus. Seatt
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD. LA. Seattle Brazell, Thomas, LD. Bus. Seattle Brazell, Thomas, LD. Bus. Seattle Brazell, Thomas, LD. Bus. Seattle Breakey, Forrest, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Seattle Bregg, Carl W, UD, ME. Seattle Bregg, Dorsey A, LD, EE. Seattle Brengan, Samuel McClure, UD, ME. Seattle Brengan, Samuel McClure, UD, ME. Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA. Seattle Bressler, Dorothy, LD, LA. Seattle Bressler, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Glenn Harvey, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Lydia, Nur Seattle Brier, Howard, LD, Eus. Seattle Brier, Howard, LD, Bus. Seattle Brier, Howard, LD, Bus. Seattle Brier, Howard, LD, Bus. Seattle Bringle, Ellen, UD, LA. Seattle Brodskaya, Natalle, Unc, Law. Seattle Brodskaya, Kalle L, UD, LE. Seattle Brodskaya, Kalle L, UD, L
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA Seattle Bray, Ruth Arvesta, LD, LA Seattle Brazell, Thomas, LD, Bus. Seattle Brazler, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Seattle Bregg, Carl W, UD, ME. Seattle Bregg, Carl W, UD, ME. Seattle Bregg, Carl W, UD, ME. Seattle Brengan, Samuel McClure, UD, ME. Seattle Brengan, Samuel McClure, UD, ME. Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA Seattle Bresthorst, Alice B, UD, Ed Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgen, UJ, Ed Seattle Brier, Howard, LD, Bus. Seattle Brinck, Stephen M, Grad. Seattle Brinck, Stephen M, Grad. Seattle Bringle, Ellon, UD, LA. Seattle Bringle, Ellon, UD, LA. Seattle Bringle, Ellon, UD, LA. Seattle Bringkurst, Alice C, UD, LA. Seattle Bringkurst, Alice C, UD, LA. Seattle Brink, Earl Herbert, LD, Bus. Seattle Brocken, Blaine, Unc, Law. Seattle Brocken, Percy C, LD, Bus. Seattle Brocken, Ratalle, Unc, LA. Russla Brogren, E, LD, Sci. New Westminster, B C Brokaw, Charles A, UD, EE Seattle Brooke, Sallie, LD, LA. Bates Add.
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA Seattle Bray, Ruth Arvesta, LD, LA Seattle Brazell, Thomas, LD, Bus. Seattle Brazier, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Seattle Bregg, Carl W, UD, ME. Seattle Bregg, Carl W, UD, ME. Seattle Brenga, Samuel McClure, UD, ME Seattle Brengan, Samuel McClure, UD, ME Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA Seattle Brethorst, Alice B, UD, Ed. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgen, Howard, LD, Bus. Everett Briggs, Clifford M, LD, EE Bremerton Briles, Gerald W, LD, Bus. Seattle Brinck, Stephen M, Grad. Seattle Brinck, Stephen M, Grad. Seattle Brink, Earl Herbert, LD, Bus. Seattle Brink, Earl Herbert, LD, Bus. Seattle Brink, Earl Herbert, LD, Bus. Seattle Brinke, Earl Herbert, LD, Bus. Seattle Broder, Percy C, L
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD. LA. Seattle Bray, Ruth Arvesta, LD. LA. Seattle Brazell, Thomas, LD. Bus. Seattle Brazell, Thomas, LD. Bus. Seattle Brazer, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Bellingham Bregg, Carl W, UD, ME. Seattle Breng, Dorsey A, LD, EE. Seattle Breng, Dorsey A, LD, EE. Seattle Brengan, Samuel McClure, UD, ME. Seattle Brengan, Samuel McClure, UD, ME. Seattle Brennan, Robert A, LD, Bus. Seattle Brensnan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA. Seattle Bressler, Dorothy, LD, LA. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Glenn Harvey, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Lydia, Nur Seattle Bridgen, Howard, LD, Bus. Seattle Brier, Howard, LD, Bus. Seattle Brier, Howard, LD, Bus. Seattle Brinck, Stephen M, Grad. Seattle Brinck, Stephen M, Grad. Seattle Bringhurst, Alice C, UD, LA. Seattle Bringhurst, Alice C, UD, LA. Seattle Bringhurst, Alice C, UD, LA. Seattle Brioskan, Blaine, Unc, Law. Seattle Brodskaya, Natalle, Unc, Law. Seattle Brodskaya, Natalle, Unc, Law. Seattle Brodskaya, Natalle, Unc, Law. Seattle Brooker, Ellen, UD, LA. Boise, Ida Brookis, Eloise W, LD. LA. Boise, Ida Brooks, Clarence R, LD, LA. Tacoma Brooks, Clarence R, LD, LA. Seattle
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD. LA. Seattle Bray, Ruth Arvesta, LD. LA. Seattle Brazell, Thomas, LD. Bus. Seattle Brazler, Donald H, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Seattle Bregg, Carl W, UD. ME. Seattle Bregg, Carl W, UD. ME. Seattle Bregg, Carl W, UD. ME. Seattle Brengan, Samuel McClure, UD, Mel. Seattle Brengan, Samuel McClure, UD, Mel. Seattle Brennan, Robert A, LD, Bus. Seattle Brennan, Robert A, LD, Bus. Seattle Bressler, Dorothy, LD, LA. Seattle Brethorst, Alice B, UD, Ed. Seattle Bricker, John Paul, LD, For. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Brier, Howard, LD, Bus. Seattle Brinck, Stephen M, Grad. Seattle Brinck, Stephen M, Grad. Seattle Bringle, Ellon, UD, LA. Seattle Brooke, Seattle Brookey, Natalle, Unc, LA. Russla Brogren, E, LD, Sci. New Westminster, B C Brokaw, Charles A, UD, EIE. Seattle Brooke, Sallie, LD, LA. Tacoma Brookins, Elcise W, LD, LA. Bolse, Ida Brooks, Clarence R, LD, LA. Tacoma Brookins, Elcise W, LD, LA. Seattle Brooks, Edward, LD, ME. Seattle Brooks, Edward, LD, ME. Seattle Brooks, Edward, LD, ME. Seattle Brooks, Edward, LD, LA. Seattle
Bray, Frank Nathan, LD, Bus. Seattle Bray, J Harold, LD, Bus. Seattle Bray, Ruth Arvesta, LD, LA. Seattle Brazell, Thomas, LD, Bus. Seattle Brazell, Thomas, LD, Bus. Seattle Brazell, Thomas, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Seattle Breakey, Forrest, LD, Bus. Seattle Bregg, Carl W, UD, ME. Seattle Brengan, Samuel McClure, UD, ME. Seattle Brengan, Samuel McClure, UD, ME. Seattle Brennan, Bobert A, LD, Bus. Seattle Brennan, Bobert A, LD, Bus. Seattle Brensaler, Dorothy, LD, LA. Seattle Bressler, Dorothy, LD, LA. Seattle Bressler, Dorothy, LD, LA. Seattle Bridgeman, Glenn E, LD, LA. Seattle Bricker, John Paul, LD, For. Seattle Bridgeman, Alfred W, LD, Bus. Seattle Bridgen, Lydia, Nur. Seattle Bridgen, Lydia, Nur. Seattle Bridgen, Gerald W, LD, Bus. Everett Briggs, Clifford M, LD, EE. Bremerton Briles, Gerald W, LD, Bus. Seattle Bringhe, Ellen, UD, LA. Spattle Bringhe, Ellen, UD, LA. Spattle Bringhe, Ellen, UD, LA. Seattle Brooke, Stephen M, Grad. Seattle Brooke, Percy C, LD, Bus. Seattle Brooke, Percy C, LD, Bus. Seattle Brooke, Charles A, UD, EE. Seattle Brooke, Sallie, LD, LA. Russla Brogren, E, LD, Sel. New Westminster, B C Brokaw, Charles A, UD, EE. Seattle Brooke, Sallie, LD, LA. Tacoma Brookins, Eloise W, LD, LA. Boise, Ida Brooks, Elizabeth R, LD, LA. Seattle
Borst, Sylvia, FA

Brotnov. Marguerite, UD, Ed....Bellingham Broward, Ella, LD, LA. Seattle
Brower, Ora M, LD, FA. Seattle
Brown, Adelaide Grace, LD, LA. Seattle
*Brown, Barton Wright, UD, CE. Seattle
Brown, M Catherine, LD, LA. Selah
Brown, Cecil Clark, LD, Scl. Dayton
*Brown, S Darden, Bus. Seattle
Brown, Dovenport J, LD, Eng. Sumas
Brown, Dorothea Madge, LD, FA. Seattle
Brown, Dorothea Madge, LD, FA. Seattle
Brown, Edda Virginia, LD, LA. Tacoma
Brown, Florinda, LD, LA. Tacoma
Brown, Francis M, 2nd Law. Seattle
Brown, Harold G, Unc, Phar. Ridgefield
Brown, Harry A D, LD, Bus. Tolt
Brown, Henry James, LD, LA. Seattle
Brown, Henry James, LD, LA. Seattle
Brown, Lolo-Mae, LD, LA. Alderwood Manor
Brown, Liorna E, UD, LA. Alderwood Manor
Brown, Liorna E, UD, LA. Seattle
Brown, Marguerite L, LD, Bus. Seattle
Brown, Marguerite L, LD, Bus. Seattle
Brown, Martin, LD, Eus. Seattle
Brown Minnie J, LD, LA. Seattle
Brown Minnie J, LD, LA. Seattle
Brown Minnie J, LD, LA. Seattle
Brown, Stewart H, LD, Bus. Seattle
Brown, Sarah, LD, Bus. Seattle
Brown, Warren Jr, LD, LA. Tacoma
Brown, Warren Jr, LD, LA. Seattle
Brown, Warren Jr, LD, LA. Seattle
Brown, Warren Jr, LD, LA. Seattle
Brown, Stewart H, LD, Bus. Seattle
Brown, Warren Jr, LD, LA. Seattle
Brown, Warren Jr, LD, LA. Seattle
Brown, Clarence W, LD, Bus. Seattle
Bryan, Helen Robeson, LD, IA. Seattle
Bryan, Helen Robeson, LD, IA. Seattle
Bryan, James W Jr, UD, LA. Seattle
Bryan, Helen Robeson, LD, IA. Seattle
Bryan, Helen Robeson, LD, LA. Seattle
Bryan, James W Jr, UD, LA. Seattle
Bryan, James W Jr, UD, LA. Seattle
Bryan, Helen Robeson, LD, Bus. Seattle
Buckinger, Clarence, LD, Bus. Seattle
Buckinger, Clarence, LD, LA. Seattle
Buckingham, James R, Spec. Anburn
Buckley, Josephine M, Grad. Seattle
Buckinger, Clarence, LD, LA. Seattle
Bullock, Virgil W, LD. CE. Seattle
Bullock, Virgil W, LD. CE. Seattle
Burleson, Eantle, L

Burns, Barbars R. LD. LA Seattle
Burns, Malcolm Owen, LD, Eng Seattle
Burns, Malcolm O. LD. Bus, Kalispell, Mt.
Burns, Merle W. LD. Bus Seattle
Burnee, Frances Helen, LD, Sci., Bellingham
Burpee, Margaret M. UD. Bus Bellingham
Burrough, Edward L. UD, EE Seattle
Burns, Barbara B, LD, LA
Burroughs. Walter L. UD. LATacoma
Burrows, Eleanor W. UD, LASeattle
Burroughs, Walter L. UD, LA Tacoma
Burrows, William J, UD, SciChehalis
Burrus, Adelyne M. LD, LA. Pocatello, Ida
Burrus, Thurlow M, LD, SciSpokane
Bursell, Frances Imogene, UD, LA. Seattle
Bursell, Margaret, UD, EdSeattle
Burston, Arthur W, LD, PharSeattle
**Burtis, J Lynn, Sp, BusPortland, Or
**Burtis, J Lynn, Sp, BusPortland, Or Burton, Clara Bell, LD, SciSeattle Burton, Rupert S, LD, BusCentralia Busby, Harrison W, LD, LAFriday Harbor
Burton, Rupert S, LD, BusCentralia
Busby, Harrison W. LD, LA. Friday Harbor
Bush, Elizabeth Pauline, LD, FA. Seattle
Bush, Mrs. Helen T. Grad, Sci Seattle
Bush, I Marian, LD, SciVancouver
Bush, Lyle K, UD, LABay Center
Bushee, Alice, LD, LASeattle
Bushell, Lydia, LD, SclSeattle
Bushell, Robert Jr., LD, LASenttle
Busse, Arthur E, UD, ChESeattle
Busby, Harrison W, LD, LA. Friday Harbor Bush, Elizabeth Pauline, LD, FA. Seattle Bush, Mrs. Helen T. Grad, Sci Seattle Bush, I Marian, LD, Sci Vancouver Bush, Lyle K, UD, LA Bay Center Bushee, Alice, LD, LA Seattle Busheel, Lydia, LD, Sci Seattle Busheel, Robert Jr, LD, LA. Seattle Bushell, Robert Jr, LD, ChE. Seattle Butcher, Fred J, UD, Bus. Vashon Butler, M Philbrick, UD, CE. Seattle Butler, Virginia F, Unc, LA. Seattle Butler, Virginia F, Unc, LA. Seattle Butler, William Tennant, LD, CE. Seattle Butt, F Mildred, LD, LA. Seattle Butt, F Mildred, LD, LA. Seattle Butt, William H, LD, ChE. Seattle Butterbaugh, G H, Grad. Seattle
Butler, M Philbrick, UD, CE Seattle
Butler, Robert S, LD. CE Seattle
Butler, Virginia F, Unc, LA Seattle
Butler, William Tennant, LD, CE. Seattle
Butt, Ferdinand H, LD, LASeattle
Butt, F Mildred, LD, LASeattle
Butt, William H. LD, Chi Seattle
Butterbaugh, G H. GradSeattle
Butterworth, Albert R, BusSeattle
Butterbaugh, G H. Grad. Seattle Butterworth, Albert R, Bus. Seattle Butterworth, Harry C, Fr. Eng. Seattle *Button, Malcolm P, LD, Bus.Hood River, O Butts, Everett Owen, LD, LA. Seattle Butts, Margaret Flynn, UD, LA. Seattle
**Button, Malcolm P, LD, Bus. Hood River, O
Butts, Everett Owen, LD, LASenttle
Butts, Margaret Flynn, UD, LASeattle
Byerly, Oliver Finley, UD, For. Portland, Or
Byers, Dorothy O, LD, LASeattle
Byers, Eleanor, LD, LA
Byers, Marshau S, UD, CheSeattle
Byers, Mary Helen, III, PASeattle
Butts, Margaret Flynn, U.B. A
Byford, Annette Lee, LD, FA. Portland, Or Byles, Chester, LD, LA. Melbourne Byrd, Evelyn L, UD, Bus Burns, Or
Dyles, Chester, LD, LA Renounce
Dyru, Evelyn D, OD, DusDurns, Or
Dyrne, Lauryn, LD, SciSeattle
Dyrie, Leon Aenneui, LD, DusSeattle
Person Managart VID T.A. Santtle
Byrne, Kathryn, LD, Sci
Djion, Robert Lee, DD, DusDeiringuant

Caballere, Salvador, LD, Bus... Seattle Cain, Riley Willis, UD, Ed... Spokane Cain, Russell A, LD, Phar... Seattle Caider, Lester E, UD, For... Montesane **Caldwell, D V, Unc, Bus... Seattle Caldwell, Helen L, LD, LA.. La Grande, Or Calhoun, Alma, UD, LA... Seattle Calhoun, Charles E, LD, Law... Tacoma Calhoun, Noel M, LD, CE... Seattle Calkins, Howard T, LD, Sci... Seattle Calkins, Howard T, LD, Sci... Kirkland Calkins, Ione J, UD, Sci... Bremerton Callahan, Arthur H, LD, LA. Seattle Callender, James A, UD, CE... Colfax **Callender, Ralph H, LD, Sci... Seattle Callison, Cecil P, LD, Bus... Aberdeen Callison, Henry S, LD, Bus... Aberdeen Callison, Honry S, LD, Bus... Seattle Calvin, John T, LD, Bus... Seattle Calvin, Samuel E, UD, CAE... Mercer, Pa Cameron, Donald P, LD, BA. Victoria, B.C

Campbell, Alex, LD. Bus	
Campbell, Alex, LD, Dus	Seattle
Campbell, Alice A, LD, FA	Seattle
~	~ · · · · · · · · · · · ·
Complete Corolina C TID T.A	Goottle.
Campbell, Chas J. Spec	. Spokane
Campbell, Don S, LD, EE	.Spokane
**Campbell, E W, 8d Law. Fayetter	ille, Ark
Campbell, Earl F, UD, Bus	Omak
Campbell, Edward L, LD, Bus	Seatue
Campbell, Helen D. LD. LA. Port	land. Or
Campbell, Ivan H, LD, EE. Rock L	sland, Ill
Campbell, James A, LD, LA	Seattle
Campbell, J Addison Jr. U.D. Camb	Beatue Altteag
Campbell, Mildred Marie, LD, Phar.	.Colville
Campbell, Robert A, LD, Bus	.Everett
Campbell, Willis L, UD, Bus	.Spokane
Canfield, Iris F, UD, FA	Beatue
Connon James E. Sp. Fish	Colby
Capen, Donald F. LD. Bus	Yelm
Capen, Eilery, LD, Bus	Yelm
Carbajosa, Vincent, UD. BusPl	ilippines
Carder, Ruth M, LD. LA	elttress
Carlberg, Emily, LD, FA	Seattle
Carlberg, Frank, Sp. LA	Seattle
Carleton, Smith, LD, Ed	Seattle
Corlson, Anna E, Nur	Senttie
Carlson, Arthur B. Unc. Bus	. Bellevue
**Carlsen, Carter J. LD. Min	.Spokane
Carlson, Ebba, Unc. LA	.Tacoma
Carlson, Florence, UD. Ed	Seattle
Carlson, Gladys May, LD. LAMt	. Vernon Barbor
Carlson, John A. LD. EE. Great Fa	lis. Mont
Carlson, Julia C, LD. LA	.Everett
Carlson, Julia Tecla, LD. LA	Seattle
Carison, Oscar Carl, LD. Phar	
Carleon Decor W LTI MW	. Yakima
Carlson, Oscar F. LD M.B Carlson, Theodore D. LD. Bus	Seattle . Yakima
Carlson, Oscar F. LD ME Carlson, Theodore D, LD. Bus Carlson, Theodore David, LD. Bus.	. Seattle . Seattle . Yakima . Everett
Carlson, Oscar F. LD ME Carlson, Theodore D. LD. Bus Carlson, Theodore David, LD. Bus. Carlston, Kenneth S, LD. Bus	. Seattle . Yakima . Everett . Seattle
Carlson, Oscar F. LD MB Carlson, Theodore D, LD. Bus Carlson, Theodore David, LD. Bus Carlston, Kenneth S, LD. Bus Carlton, Harold S, LD. ME	. Seattle . Yakima . Everett . Seattle . Seattle
Carlson, Oscar F. LiD MB	. Seattle . Yakima . Everett . Seattle . Seattle land, Or
Carlson, Oscar F. LD MB	. Seattle . Yakima . Everett . Seattle . Seattle land, Or . Seattle
Carlson, Oscar F. LiD MB	. Yakima . Seattle . Yakima . Everett . Seattle . Seattle land, Or . Seattle . Seattle
Carlson, Oscar F. LD MB	. Seattle . Yakima . Everett . Seattle . Seattle land, Or . Seattle . Seattle . Seattle . Seattle
Carlson, Oscar F. LiD MB	. Seattle . Seattle . Seattle . Seattle . Seattle land, Or . Seattle . Seattle . Seattle . Seattle
Carison, Oscar F. LiD MB Carlson, Theodore D, LiD. Bus Carlson, Theodore David, LiD. Bus Carlston, Kenneth S, LiD. Bus Cariton, Harold S, LiD. Eds Carman, Helen B, LiD. LiAPort Carman, Helen B, LiD. LiAPort Carnedy, Walter R, UID. ChE Carchers, Ralph D, Sp. Bus Caryenter, Edward L, LiD. CE Carpenter, Edward L, LiD. CE Carr, Dugald MacDougall, LiD. ChE Carr, Dugald MacDougall, LiD. ChE Carr, Dugald MacDougall, LiD. ChE Carr, Evs S. UID. Phar.	. Yakima . Seattle . Seattle . Seattle . Seattle land, Or . Seattle . Seattle . Seattle . Seattle . Seattle . Seattle
Carlson, Oscar F. LD MB	. Yakima . Seattle . Yakima . Everett . Seattle . Seattle . Seattle . Seattle Aberdeen . Seattle . Seattle . Seattle
Carison, Oscar F. LiD MB	Yakıma Seattie Yakıma Everett Seattle Seattle land, Or Seattle Seattle Seattle Seattle Seattle Seattle Seattle Seattle Seattle
Carison, Oscar F. LiD MB	. Yakima . Seattle . Yakima . Byerett . Seattle land, Or . Seattle
Carison, Oscar F. LiD MB	. Yakima . Seattie . Yakima . Seattie . Seattie land, Or . Seattie
Carison, Oscar F. LiD MB Carlson, Theodore D, LiD. Bus Carlson, Theodore David, LiD. Bus Carlston, Kenneth S, LiD. Bus Carlton, Harold S, LiD. Bis Carman, Helen B, LiD. LiAPort Carman, Helen B, LiD. LiAPort Carney, Elvin P, LiD. LiA Carothers, Ralph D, Sp. Bus Carpenter, Edward L, LiD. CE Carpenter, Mary Jane, UD. FA Carr, Dugald MacDougall, LiD. Che Carr, George Watson, LiD. Min Carr, George Watson, LiD. Min Carr, Herbert H, LiD. Eng Carroll, Murrell Jack, UD. Bus **Carroll, Neil W, Sp. Bus Carson, Catherine B, LiD. Bus	. Xagima . Seattia . Yakima . Seattie
Carlson, Oscar F. LD MB. Carlson, Theodore D, LD. Bus Carlson, Theodore David, LD. Bus Carlston, Kenneth S, LD. Bus Carlton, Harold S, LD. Bis Carlton, Harold S, LD. Eff Carman, Helen B, LD. LA Port Carmody, Walter R, UD. ChE Carnethers, Ralph D, Sp. Bus Carpenter, Edward L, LD. CE Carpenter, Mary Jane, UD. FA Carr, Dugald MacDougall, LD. ChE Carr, Eva S, UD. Phar. Carr, George Watson, LD. Min. Carr, Herbert H, LD. Eng Carroll, Murrell Jack, UD. Bus Carson, Catherine B, LD. Bus Carson, Catherine B, LD. Bus Carson, Gretchen, LD. Bus Carson, Gretchen, LD. Bus	. Xaginia . Seattia . Seattia . Seattie . Seat
Carison, Oscar F. LiD MB	. Xakima . Seattie . Yakima . Seattie . Seatti
Carison, Oscar F. LiD MB. Carison, Theodore D, LiD. Bus. Carison, Theodore D, LiD. Bus. Cariston, Kenneth S, LiD. Bus. Cariston, Harold S, LiD. EEE. Carman, Helen B, LiD. LiA Port Carman, Helen B, LiD. LiA Port Carmedy, Walter R, UD. ChE Carney, Elvin P, LiD. LiA Carothers, Ralph D, Sp. Bus Carpenter, Edward L, LiD. CE. Carpenter, Edward L, LiD. CE. Carpenter, Mary Jane, UD. FA Carr, Dugald MacDougall, LiD. ChE Carr, George Watson, LiD. Min. Carr, George Watson, LiD. Min. Carr, Carr, Herbert H, LiD. Eng. Carroll, Murrell Jack, UD. Bus. "Carroll, Murrell Jack, UD. Bus. Carson, Catherine B, LiD. Bus. Carson, Gretchen, LiD. Bus. Carson, May Pearl, LiD. LiA Carstens, Henry T, LiD. Bus.	. Xagima . Seattle . Seatt
Carison, Oscar F. LiD MB. Carlson, Theodore D, LiD. Bus. Carlson, Theodore D, LiD. Bus. Carlston, Kenneth S, LiD. Bus. Carlton, Harold S, LiD. ME. Carman, Helen B, LiD. LiA Port Carman, Helen B, LiD. LiA Port Carnedy, Walter R, UD. ChE Carchers, Ralph D, Sp. Bus Caryenter, Edward L, LiD. CE. Carpenter, Mary Jane, UD. FA Carr, Dugald MacDougall, LiD. ChE Carr, Evs S, UD. Phar. Carr, George Watson, LiD. Min. Carr, Herbert H, LiD. Eng. Carroll, Frank S, UD, Eng Carroll, Frank S, UD, Eng Carson, Catherine B, LiD. Bus. Carson, Catherine B, LiD. Bus Carson, Gretchen, LiD. Bus Carson, May Pearl, LiD. LiA Carstens, Henry T, LiD. Bus. Carstens, Henry T, LiD. Bus. Carstens, Henry T, LiD. Bus. Carstens, Lillian, LiD. FA. Carter, Bea H, Spec	. Xanima . Seattha . Seattha . Seatthe . Seatt
Carison, Oscar F. LiD MB. Carlson, Theodore D, LiD. Bus. Carlson, Theodore D, LiD. Bus. Carlston, Kenneth S, LiD. Bus. Carlston, Harold S, LiD. Em. Carman, Helen B, LiD. LiA Port Carman, Helen B, LiD. LiA Port Carmey, Elvin P, LiD. LiA Carothers, Ralph D, Sp. Bus Carpenter, Edward L, LiD. CE. Carpenter, Mary Jane, UD. FA. Carr, Dugald MacDougall, LiD. Che Carr, George Watson, LiD. Min. Carr, George Watson, LiD. Min. Carr, Herbert H, LiD. Eng. Carroll, Murrell Jack, UD. Bus. **Carroll, Neil W, Sp. Bus. Carson, Catherine B, LiD. Bus. Carson, Gretchen, LiD. Bus. Carson, May Pearl, LiD. LiA Carstens, Henry T, LiD. Bus. Carstens, Lillian, LiD. FA. Carter, Charles J, LiD. Bus.	. Xagima . Seattia . Seattie
Carison, Oscar F. LiD MB. Carlson, Theodore D, LiD. Bus Carlson, Theodore David, LiD. Bus Carlston, Kenneth S, LiD. Bus Carlston, Harold S, LiD. EEE Carman, Helen B, LiD. LA Port Carman, Helen B, LiD. LA Port Carmey, Elvin P, LiD. LA Carothers, Ralph D, Sp. Bus Carpenter, Edward L, LiD. CE Carpenter, Mary Jane, UD. FA Carr, Gugald MacDougall, LiD. ChE Carr, Eva S, UD. Phar. Carr, George Watson, LiD. Min Carr, George Watson, LiD. Min Carr, Herbert H, LiD. Eng Carroll, Frank S, UD, Eng Carroll, Neil W, Sp. Bus **Carroll, Neil W, Sp. Bus **Carroll, Neil W, Sp. Bus Carson, Catherine B, LiD. Bus Carson, Gretchen, LiD. Bus Carson, May Pearl, LiD. LA Carstens, Henry T, LiD. Bus. Carstens, Lillian, LiD. FA. Carter, Ben H, Spec Carter, Charles J, LiD. Bus. Carter, Edward Stewart, LiD. LA Carter, Lames Forerst LiD. EA.	. Xanima . Sentitie .
Carison, Oscar F. LiD MB Carison, Theodore D, LiD. Bus Carison, Theodore David, LiD. Bus Cariston, Kenneth S, LiD. Bus Cariston, Harold S, LiD. Effe Carman, Helen B, LiD. LiA Port Carman, Helen B, LiD. LiA Carnethers, Ralph D, Sp. Bus Carpenter, Edward L, LiD. CE Carpenter, Edward L, LiD. CE. Carpenter, Mary Jane, UD. FA Carr, Dugald MacDougall, LiD. Che Carr, George Watson, LiD. Min Carr, George Watson, LiD. Min Carr, George Watson, LiD. Bus Carroll, Murrell Jack, UD. Bus **Carroll, Murrell Jack, UD. Bus **Carroll, Neil W, Sp. Bus Carson, Catherine B, LiD. Bus Carson, Gretchen, LiD. Bus Carson, May Pearl, LiD. LiA Carstens, Lillian, LiD. FA Carter, Ben H, Spec Carter, Charles J, LiD. Bus Carter, Edward Stewart, LiD. Lia. Carter, Images Forrest, LiD. FA Carter, L M, LiD, Eff Friday	. Xakima . Seattie . Yakima . Seattie . Seatti
Carison, Oscar F. LiD MB	. Xanima . Seattie . Seatt
Carison, Oscar F. LiD MB. Carlson, Theodore D, LiD. Bus. Carlson, Theodore David, LiD. Bus. Carlston, Kenneth S, LiD. Bus. Carlston, Kenneth S, LiD. EEE. Carman, Helen B, LiD. LiA. Carothers, Ralph D, Sp. Bus. Carpenter, Edward L, LiD. CE. Carpenter, Mary Jane, UD. FA. Carr, Eygald MacDougall, LiD. ChE. Carr, Evg S, UD. Phar. Carr, George Watson, LiD. Min. Carr, Herbert H, LiD. Eng. Carroll, Frank S, UD, Eng. Carroll, Neil W, Sp. Bus. **Carroll, Neil W, Sp. Bus. Carson, Catherine B, LiD. Bus. Carson, Gretchen, LiD. Bus. Carstens, Henry T, LiD. Bus. Carstens, Henry T, LiD. Bus. Carstens, Henry T, LiD. Bus. Carter, Edward Stewart, LiD. LA. Carter, Charles J, LiD. Bus. Carter, Charles J, LiD. Bus. Carter, Carter, Mary Frances, UD, Ed. Carter, Lim, LiD. Eig. Carter, Mary Frances, UD, Ed. Cartenell, Frances Lucle, LiD. LA.	. Xagima . Seattia . Seattie . Seatt
Carison, Oscar F. Lid MB. Carlson, Theodore D, Lid. Bus. Carlson, Theodore D, Id. Bus. Carlston, Kenneth S, Lid. Bus. Carlston, Kenneth S, Lid. Bus. Carlton, Harold S, Lid. EEE. Carman, Helen B, Lid. Lid. Port Carman, Helen B, Lid. Lid. Port Carney, Elvin P, Lid. Lid. Carothers, Ralph D, Sp. Bus. Carpenter, Edward L, Lid. CE. Carpenter, Mary Jane, UD. FA. Carr, George Watson, Lid. Min. Carr, George Watson, Lid. Min. Carr, Herbert H, Lid. Eng. Carroll, Frank S, UD, Fing. Carroll, Frank S, UD, Bus. **Carroll, Neil W, Sp. Bus. Carson, Catherine B, Lid. Bus. Carson, May Pearl, Lid. Bus. Carstens, Henry T, Lid. Bus. Carstens, Henry T, Lid. Bus. Carter, Ben H, Spec. Carter, Ben H, Spec. Carter, Charles J, Lid. Bus. Carter, Edward Stewart, Lid. Lid. Carter, Lid. Lid. Carter, Lid. FA. Carter, Lid. Frances, UD, Bd. Carter, Mary Frances, UD, Bd. Cartwright, Dorothy, UD. Lid. Case. Austin F, HID. Lid. Case. Austin F, HID. Lid.	. Xanima . Seattie . Seatt
Carison, Oscar F. LiD MB. Carlson, Theodore D, LiD. Bus. Carlson, Theodore D, LiD. Bus. Carlston, Kenneth S, LiD. Bus. Carlston, Harold S, LiD. EEE. Carman, Helen B, LiD. LA Port Carman, Helen B, LiD. LA Port Carmody, Walter R, UD. Che. Carchers, Ralph D, Sp. Bus. Carpenter, Edward L, LiD. CE. Carpenter, Edward L, LiD. CE. Carpenter, Mary Jane, UD. FA Carr, Dugald MacDougall, Lid. Che. Carr, George Watson, Lid. Min. Carr, It was S, UD. Fing. Carroll, Murrell Jack, UD. Bus. Carcoll, Murrell Jack, UD. Bus. Carson, Catherine B, Lid. Bus. Carson, Catherine B, Lid. Bus. Carson, May Pearl, Lid. Lid. Carstens, Henry T, Lid. Bus. Carstens, Lillian, Lid. FA. Carter, Ben H, Spec. Carter, Charles J, Lid. Bus. Carter, James Forrest, Lid. FA. Carter, Lid. Lid. D, EEE. Cartwell, Frances Lucile, Lid. Lid. Cartwell, Frances Lucile, Lid. Lid. Cartwell, Frances Lucile, Lid. Lid. Case, Austin F, UD. Lid. Case, Austin F, UD. Lid.	Yakılma Seattile Yakılma Everett Seattile Seattile Ind, Or Seattile
Carison, Oscar F. LiD MB. Carlson, Theodore D, LiD. Bus. Carlson, Theodore D, LiD. Bus. Carlston, Kenneth S, LiD. Bus. Carlton, Harold S, LiD. EEE. Carman, Helen B, LiD. LiA Port Carmody, Walter R, UD. ChE Carney, Elvin P, LiD. LiA Carothers, Ralph D, Sp. Bus Carpenter, Edward L, LiD. CE. Carpenter, Mary Jane, UD. FA Carr, Dugald MacDougall, LiD. ChE Carr, Evs S, UD. Fhar. Carr, George Watson, LiD. Min. Carr, George Watson, LiD. Min. Carr, George Watson, LiD. Bus Carroll, Frank S, UD, Eng Carroll, Frank S, UD, Eng Carroll, Murrell Jack, UD. Bus Carson, Catherine B, LiD. Bus Carson, Gretchen, LiD. Bus Carson, May Pearl, LiD. LiA Carter, Ben H, Spec Carter, Charles J, LiD. Bus Carter, Charles J, LiD. Bus Carter, Lim, LiD. Efs Carter, James Forrest, LiD. FA. Carter, Mary Frances, UD, Ed. Cartwell, Frances Lucile, LiD. LiA. Case, Austin F, UD. Lia. **Casey, Harry P, Sp. Bus	. Xanima . Seatima . Seati
Carison, Oscar F. LiD MB. Carlson, Theodore D, LiD. Bus Carlson, Theodore D, LiD. Bus Carlston, Kenneth S, LiD. Bus Carlston, Kenneth S, LiD. EEE Carman, Helen B, LiD. LA Port Carman, Helen B, LiD. LA Port Carmody, Walter R, UID. ChE. Carcothers, Ralph D, Sp. Bus Carothers, Ralph D, Sp. Bus Carothers, Ralph D, Sp. Bus Carpenter, Edward L, LiD. CE Carpenter, Mary Jane, UID. FA Carr, George Watson, LiD. ChE Carr, Eva S, UID. Phar Carr, George Watson, LiD. Min Carr, Herbert H, LiD. Eng Carroll, Frank S, UID, Eng Carroll, Neil W, Sp. Bus Carson, Catherine B, LiD. Bus Carson, Catherine B, LiD. Bus Carson, Gretchen, LiD. Bus Carstens, Lillian, LiD. FA Carter, Charles J, LiD. Bus Carter, Charles J, LiD. Bus Carter, Edward Stewart, LiD. LA Carter, Lames Forrest, LiD. FA Carter, Lames Forrest, LiD. Ed Cartenell, Frances Lucile, LiD. LA. Cartenell, Frances Lucile, LiD. LA. Case, Austin F, UID. LA Case, A. Byron, LiD. EEE **Casey, Harry P, Sp. Bus Carter, Mary Helent, LiD. FA	. Xagima . Seattia . Seattia . Seattie . Seatt
Carison, Oscar F. LD MB. Carlson, Theodore D, LD. Bus. Carlson, Theodore D, LD. Bus. Carlston, Kenneth S, LD. Bus. Carlston, Kenneth S, LD. EEE. Carlton, Harold S, LD. EEE. Carman, Helen B, LD. LAPort Carman, Helen B, LD. LAPort Carmey, Elvin P, LD. LA Carothers, Ralph D, Sp. Bus. Carpenter, Edward L, LD. CE. Carpenter, Mary Jane, UD. FA Carr, George Watson, LD. Min. Carr, George Watson, LD. Min. Carr, George Watson, LD. Min. Carr, George Watson, LD. Bus. Carroll, Frank S, UD, Fag. Carroll, Murrell Jack, UD. Bus. **Carroll, Neil W, Sp. Bus. Carson, Catherine B, LD. Bus. Carson, Gretchen, LD. Bus. Carson, May Pearl, LD. LA Carter, Ben H, Spec. Carter, Ben H, Spec. Carter, Charles J, LD. Bus. Carter, Edward Stewart, LD. LA Carter, LM, LD, EE Carter, LM, LD, EES Carter, Mary Frances, UD, Bd. Carter, Mary Frances, UD, Bd. Carter, Mary Frances, UD, Ed. Carter, Mary Frances, UD, Ed. Carter, A. Byron, LD. EES **Casey, Harry P, Sp. Bus Casey, Mary Helent, LD. FA Casesy, Mary Helent, LD. FA Casesy, Mary Helent, LD. FA Casesy, Mary Helent, LD. FA Casesey, Mary Helent, LD. FA Casesey, Harry A LD. E.	. Xanima . Sentitie .
Campbell, Caroline G. UD, LA Campbell, Chas J, Spec Campbell, Don S, LD, EE **Campbell, Ew, 3d Law. Fayette Campbell, Ew, 3d Law. Fayette Campbell, Edward L, LD, Bus Campbell, Elsie, LD, LA Campbell, Elsie, LD, LA Campbell, Helen D, LD, LA. Port Campbell, Islaste, LD, LA Campbell, James A, LD, Es Campbell, Mildred Marie, LD, Fhar. Campbell, Mildred Marie, LD, Fhar. Campbell, Willis L, UD, Bus Campbell, Willis L, UD, Bus Campbell, Willis L, UD, Bus Cannield, Iris F, UD, FA Cannield, Iris F, UD, FA Cannon, James E, Sp. Fish. Capen, Donald F, LD, Bus Capen, Ellery, LD, Bus Carpen, Ellery, LD, Bus Carpen, Ellery, LD, Bus Carpen, Ellery, LD, Bus Carlong, Rmily, LD, FA Carleon, Smith, LD, Ed Carlson, Arthur B, UD. Bus **Carlson, Arthur B, UD. Eus **Carlson, Arthur B, UD. Eus **Carlson, Florence, UD. Ed Carlson, Florence, UD. Ed Carlson, Florence, UD. Ed Carlson, Julia Tecla, LD. LA Carlson, Julia C, LD. LA Carlson, Julia C, LD. LA Carlson, Julia C, LD. LA Carlson, Theodore David, LD. Bus Carlson, Cahreine B, LD. LA Carson, George Watson, LD. Min Carr. Eva S, UD. Phar Carrenter, May Prances, UD. FA Carter, Ben H, Spec Carter, Lb. LD. Es Carter, James Forrest, LD. Bus Carter, James Forrest, LD. Bus Case, Austin F, UD. LA	Nanima Seattina Seatt

	_
Cassill, C. Harvey, LD. BusSp	okane
*Castilo, Margaret, Nur	villah
Cater, Ray F, Unc. Law	farlin
Cathcart, Edith Eleanor, LD. LAS	eattle
Cattle, Edith Agnes, LD. SciCo	olville
Caulkins, Alice Estelle, LD. LAE	verett
Cauvel, Orvel S, LD. ChESp	okane
Cavanaugn, Ruth Lois, UD. Sci Dignton	, Kus
Cave, Clinton Robert, LD. Buswi	DSIOW
Cave, Floyd Augustine, UD. LAs	cattle
Covette May Hemmelle I.D Rus S	oattle
Carton Madge Revels LD. Rus	enttle
Cekada, Bogomu Emil. UD. SciT	ncoma
Cekada, Martha Amelia, LD, SciT	acoma
Celi. Lanetta. LD. LA	eattle
Chadbourne, Charles A, LD. BusCr	eosote
Chalaire, Donald, LD. LA. New York	City
Chamberlain, Dorothy, Grad	eattle
Chamberlain, Ewart H. UD, BusSp	okane
**Chamberlain, Howard W, Sci	eattle
Chambers, Horace James, UD. LAS	eattie
Champlin, Winifred 19, UD. SciM	anette
Changier, Louise, UD. FA	ukuua loottlo
Channan Edith IID LA	laattla
Charman Harold I.D Sal	anoma
Chanman John C LD Rug S	loottle
Chanman, Mariorie, IID, Sci Harr	Ington
Chappel, Winifred May, LD, LA8	leattle
Charles, Percy Baird, LD, Bus	leattle
Charleston, William M. LD. ChE	leattle
Charlesworth, Grace, LD, SciBelli	ngham
Charlton, Chase W, LD. ME	eattle
Charroin, Ida R, UD. EdSo. Belli	ngham
Chase, Jennie A, LD. SciAlderwood	Manor
Chase, Warren L, LD. BusY	akima
Chastain, Thelma Harold, LD. FA	eattle
Chen, Tung Pai ,UD. Fish	China
Cheng, Pao Iuan, LD. Phar	China
Chess, Samuel T, LD. Phar	Seattle
Chilbert Firms N IID III	i, Mion
Chilberg Ernest E IID EE S	Mane
Chald Helen LD LA	leettle
Chinn. Mary L. LD. LA	Renttle
Chinn, Raleigh, LD, For	leattle
Chinn, Wing Sam, UD, FA	Seattle
Chisholm, Dorothy, LD, FA	seattle
Chittenden, Theodore P. LD. Bus	Seattle
Chitty, Lyman M, LD. EE	verett
Chiu, Chun, UD. Ed	.China
Choy, Doo Whan, UD. Min	Iawaii
Christensen, Clara M, UD. LAPa	rkland
Christenson, Nels, LD. Bus	Seattle
Christianson, Lucia, UD. Ed	seattle
Christianson, victor C, LD. LA	verett
Christofferson Daymond I.D. Sci	oome
Christoffergen William LD Sci	actila
Christopher, Ian Wesley, UD, Sci., O	vmpia
Christopherson, Andrew, LD, ChE. S	ookane
Christophersen, Carl F. Unc. Law	Seattle
Christophersen, Walter C, LD. LA	Seattle
Church, Anna E, LD. SciT	acoma
Church, Richrad A, LD, Eng	Seattle
Churchill, Doris, LD, LAElle	nsburg
Churchill , Eunice E, LD. FAElle	nsburg
Churte Cordon H ID IA	reming
Clancy Morgaret D ID EA	in this
Clark, Alta Margaritta, LD Sol	ionttle
Clark, Carroll C. UD. For	Kent
Clark, Donald L. LD. Bus	Seattle
Clark, Evva, LD. LABelli	ngham
Clark, George E. Sd Law	nemm
Citize, George 22, on 20011111111	verett
Clark, Helen Davis, LD. LA	verett Seattle
Clark, Helen Davis, LD. LA	verett Seattle Seattle
Clark, Helen Davis, LD. LA	eattle Beattle Bridge
Castillo, Margaret, Nur	lverett Seattle Seattle Bridge Yakima

Clark, Lucile J, LD. Bus......Centralia Clark, Mildred T, LD. LA.....Seattle Clelland, Isabelle M, LD. FA. Arburn Clemans, Mary S, LD. LA. Alpine Clemans, Mary S, LD. LA. Alpine Clemans, Irene Vivian, LD. FA. Clarkston Clement, Andrew Welt, LD. EE. Seattle Clement, Frank J, LD. LA. Puyallup Cleveland, Carl, Unc. Bus. Tacoma **Clevenger, S Vall, Bus. Blackfoot, Id Clift, Inez M, UD. LA. Kalama Clifton, James Harold, LD. Bus. Seattle Clinch, Vernon Marlon, UD. LA. Seattle Clithero, Raymond H. LD. Bus. Yakima Clossom, Louise E, LD. LA. Seattle Clough, Ray W, Grad. Seattle Clough, Ray W, Grad. Seattle Cloughley, Walter M, LD. Bus. Yakima Coats, Florence, LD. Sci. Raymond Coats, George F, LD. Min. Aberdeen Coats, William R, LD. Bus. Seattle Cobb, Maurice, UD, Bus. Wapato **Cochran, Clarence F, Unc. For. Seattle Cochrane, Lyall B, UD. EE. Snohomish Cochrane, Henry P, LD. ME. Seattle Cochrane, Marvis, UD. Sci. Seattle Cochrane, Roy, LD. LA. Seattle Coffin, Arthur S, Unc, Bus. Seattle Coffin, Henry L, LD. Bus. Seattle Cochrane, Bugene S, Unc. Bus. Seattle Cochn, Eugene S, Unc. Bus. Seattle Cohn, Lewis M, LD. Sci. Seattle Cohn, Lewis M, LD. Sci. Seattle Cohn, Lewis M, LD. Sci. Seattle Cole, Cleo Gennette, UD. Ed. Seattle Cole, Cleo Gennette, UD. Sci. Seattle Cole, Cleo Gennette, UD. Sci. Seattle Cole, Gladys G, UD. FA. Seattle Cole, Martha Evelyn, LD. LA. Seattle Cole, Gladys G, UD. FA. Seattle Cole, Gladys G, UD. FA. Seattle Cole, Miriam, Grad. Seattle Cole, Miriam, Grad

Collier, Helen, Grad	
	Seattle
Colling Anna Mara Cred	G441-
Secolling Edward D. Han Cal	beatue
Collins, Edward D, URC. Sci.	.Kirkiano
Colling Too D. T.D. Dis	Seatue
Collins, Lee R, LD. Phar	seattle
Collins, Margaret, UD. Ed	Auburn
Collins, Marie A, Grad	Seattle
Collins, W. Chapin, Grad	Seattle
Colter, Josephine H, LD. LA	Seattle
Colton, Jeannette, UD. FA	Seattle
Colvin, John, LD. EE	Seattle
Combes, Esther M, LD. LASid	ney, Mont
Combs, Dorothy, LD, LA	Tacoma
Comings, Everett L. LD. EE	Bremerton
Compton, Harold, LD. LA	Yakima
Compton, Harry O, LD. EE	Tacoma
Compton, Merrill Eugene, LD, BA	ASeattle
Condon, Harold, Unc. Bus	Seattle
Conger, John A. UD, EE Nez	perce, Ida
Conkey, Glen B. UD. BusLa G	rande. Or
Conklin, Robert H L. Sp. For	India
Conklin, Russell Perkins, LD. Bus	Spokane
Conner. Antoinette C. LD. LA	Seattle
Connor, Aileen, LD, LA	Seattle
Connor, Garland D. LD. Bus	Spokane
Conover, Charles Norman H. LD. L.	A Seattle
Conrad. Frank Huesay. IID. Chil.	Seattle
**Corroy Edward W IID EE Angeo	nda Mont
Cook to D T.D T.A	Tonome
Cook Dishard II T.D. Col. D	allionaham
Cooks Manager Tunks III I	Poottle
Cooks, Margaret Isabet, LD. LA	Contain
Cooke, Mirisim G, LD, LA	seatue
Cooke, Philetus G, UD. LA	entingnam
Cookingnam, Merritt G, LD. EE	Tacoma
Cooley, Zoe L, LD. FA	Seattle
Coolidge, Alethea, LD. FA	Seattle
Coolidge, Emma, LD. LA	Spokane
Cooney, Dorls M, LD, BusPor	t Angeles
Cooper, Helen S, UD. Ed	Charleston
Cooper, Margaret C, UD, LA	Seattle
Cooper, Rebecca, Grad	Seattle
Cooper, Roy, LD. Eng	Seattle
Copeland, May, UD. LA	Seattle
Copeland, May, UD. LA Copland, Nena M, LD. Ed	Seattle Seattle Seattle
Copeland, May, UD. LA Copland, Nena M, LD. Ed Coppage, Thomas R, LD. Bus	Seattle Seattle Seattle Seattle
Copeland, May. UD. LA	Seattle Seattle Seattle Seattle Seattle
Coppland, May, UD. LA	Seattle Seattle Seattle Seattle Seattle Lecho, Or
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Coppinger, Homer G, Unc, Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA.	Seattle Seattle Seattle Seattle Cho, Or Yakima Seattle
Copeland, May, UD. LA. Copland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Coppinger, Homer G, Unc, Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad.	Scattle Senttle Senttle Seattle Echo, Or Yakima Seattle hilippines
Copeland, May, UD. LA Copland, Nena M, LD. Ed Coppage, Thomas R, LD. Bus Coppinger, Homer G, Unc, Bus Corbett, A Hazen, UD. FA Corcoran, June, LD. FA Cordero, Rosaria, Grad	Seattle Seattle Seattle Seattle Echo, Or Yakima Seattle hilippines lin Walla
Copeland, May. UD. LiA	Seattle Seattle Seattle Seattle Echo, Or Yakima Seattle hilippines lin Walla Seattle
Copeland, May, UD. LA. Copland, Nena M, LD. Ed. Coppland, Nena M, LD. Ed. Copplager, Homer G, Unc, Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Corcoran, Grad. P Corkrum, Fred, LD. Bus. Corlett, Thirza, UD. Bus. Corlettly, Roland, LD. Bus.	Seattle Seattle Seattle Seattle Echo, Or Yakima Seattle hilippines lin Walla Seattle Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Coppage, Thomer G, Unc, Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. Corlett, Thirza, UD. Bus. Cornellus, Roland, LD. Bus. Cornellus, Roland, LD. Bus. Cornellus, M. Donald, 3rd Law	Seattle Seattle Seattle Seattle Seattle Echo, Or Yakima Seattle hilippines lin Walla Seattle Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Coppage, Thomer G, Unc, Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. Corlett, Thirza, UD. Bus. Cornelius, Roland, LD. Bus. Cornue, M. Donnld, 3rd Law Corakie, Florence B.	Seattle Seattle Seattle Seattle Seattle Bcho, Or Yakima Seattle Milippines lin Walla Seattle Seattle Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppage, Thomas R. LD. Bus. Coppage, Thomas R. LD. Bus. Corporan, June, LD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. Corkrum, Fred, LD. Bus. Cornelius, Roland, LD. Cornelius, Roland, LD. Cornelius, Roland, LD. Cornelius, M. Donnid, 3rd Law Corskie, Fiorence B. Corson. Kenneth P. LD. Min.	Seattle Seattle Seattle Seattle Seattle Bcho, Or Yakima Seattle hilippines lin Walla Seattle Seattle Seattle Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppland, Nena M, LD. Ed. Copplage, Thomas R, LD. Bus. Corbett, A Hazen, UD. FA. Corcorn, June, LD. FA. Cordero, Rosaria, Grad. P. Corkrum, Fred, LD. Bus. Wal Corlett, Thirza, UD. Bus. Cornelius, Roland, LD. Bus. Cornelius, Roland, LD. Bus. Corne, M. Donald, 3rd Law Corskie, Florence B. Corson, Kenneth P, LD. Min. Cortes, Rosaria T. LD. CE. P	Seattle Seattle Seattle Seattle Seattle Echo, Or Yakima Seattle hilippines lin Walla Seattle Seattle Seattle Issaquah
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. Corlett, Thirza, UD. Bus. Corneltus, Roland, LD. Bus. Cornue, M. Donnld, 3rd Law Corste, Florence B. Corson, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Cosser, Harold. LD. EE.	Seattle Seattle Seattle Seattle Seattle Beho, Or Yakima Seattle hilippines li Seattle Seattle Seattle Issaquah hilippines Angeles
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Coppage, Thomas R, LD. Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. Corlett, Thirza, UD. Bus. Cornellus, Roland, LD. Bus. Cornellus, Roland, LD. Bus. Cornellus, Roland, LD. Bus. Cornellus, Roland, LD. Bus. Cornen, M. Donald, 3rd Law Corskie, Florence B. Corson, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Coppelin, Paul J. LD. LA.	Seattle Seattle Seattle Seattle Echo, Or Yakima Seattle hilippines la Walla Seattle Seattle Seattle Seattle Lissaquah hilippines t Angeles Spokane
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. Corkett, Thirza, UD. Bus. Cornelius, Roland, LD. Bus. Cornelius, Roland, LD. Bus. Cornelius, Roland, LD. Bus. Corskie, Florence B. Corson, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Cosser, Harold, LD. EE. Corgue, Negal J, LD. LA. Counc. Reps. LD. Bus.	Seattle Seattle Seattle Seattle Beho, Or Yakima Seattle hilippines in Walla Seattle Seattle Seattle Issaquah hilippines Angeles Spokane Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Coppage, Thomas R, LD. Bus. Corporat, Homer G, Unc, Bus. Corporat, June, LD. FA. Cordero, Rosaria, Grad. Corkrum, Fred, LD. Bus. Cornelius, Roland, LD. Bus. Cornelius, Roland, LD. Bus. Cornelius, Roland, LD. Bus. Corseie, Florence B. Corson, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Coughlin, Paul J, LD. LA. Cough, Par. Cough, Par. Cough, LD. Bus. Cough, Rhea, LD. Bus. Cough, Rhea, LD. Bus.	Seattle Seattle Seattle Seattle Seattle Meho, Or Yakima Seattle Milippines In Walla Seattle Seattle Seattle Issaquah hilippines Angeles Spokane Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppland, Nena M, LD. Ed. Copplage, Thomas R, LD. Bus. Corpolare, Homer G, Unc. Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. Corlett, Thirza, UD. Bus. Cornelius, Roland, LD. Bus. Cornelius, Roland, LD. Bus. Corne, M. Donald, 3rd Law Corskie, Florence B. Corson, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Coyenty Res. Coupe, Harold, LD. EE. Coupe, Rhea, LD. Bus. Coupez, Louis A, LD, Sci.	Seattle Senttle Senttle Senttle Seattle Seattle Echo, Or Yakima Seattle Hilippines In Walla Seattle Seattle Seattle Seattle Issaquah Hilippines Angeles Spokane Seattle Seattle Seattle
Copeland, May, UD. LA. Copland, Nena M, LD. Ed. Coppand, Nena M, LD. Ed. Coppand, Thomas R, LD. Bus. Coppand, Thomas R, LD. Bus. Corporal, Thomas R, LD. Bus. Corporal, June, LD. FA. Cordero, Rosaria, Grad. Cordero, Rosaria, Grad. Cornelius, Fed. LD. Bus. Cornelius, Roland, LD. Bus. Cornelius, Roland, LD. Bus. Cornelius, Roland, LD. Bus. Cornelius, Rosaria T, LD. CE. Coron, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Coupellin, Paul J, LD. LA. Coupe, Rhea, LD. Bus. Couper, Louis A, LD, Sci. Coventry, Edwin James, LD. LA. Coverty, Edwin James, LD. LA.	Seattle Senttle Senttle Seattle Seattle Seattle Seattle Holippines Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Copplager, Homer G, Unc, Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. Corlett, Thirza, UD. Bus. Cornellus, Roland, LD. Bus. Cornellus, Roland, LD. Bus. Cornellus, Roland, LD. Bus. Cornen, M. Donald, 3rd Law Corskie, Florence B. Corson, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Couper, Harold, LD. EE. Couper, Louis A, LD, Sci. Coventry, Edwin James, LD. LA. Cover, Roland J, LD. EE.	Seattle Senttle Senttle Senttle Seattle Seattle Cho, Or Yakima Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Corpolare, Homer G, Unc. Bus. Corbett, A Hazen, UD. FA. Corcorn, June, LD. FA. Cordero, Rosaria, Grad. Corkett, Thirza, UD. Bus. Corneltus, Roland, LD. Bus. Corneltus, Roland, LD. Bus. Corneltus, Roland, LD. Bus. Corneltus, Roland, LD. Bus. Corskie, Florence B. Corson, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Cotes, Rosaria T, LD. CE. Cover, Harold, LD. EE. Coupez, Louis A, LD, Sci. Coverty, Edwin James, LD. LA. Covey, Roland J, LD. EE. Covington, Duane M, LD. EE.	Seattle Senttle Senttle Seattle
Copeland, May, UD. LA. Copland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Coppage, Thomas R, LD. Bus. Corporal, Homer G, Unc, Bus. Corporan, June, LD. FA. Cordero, Rosaria, Grad. Cordero, Rosaria, Grad. Cornelius, Roland, LD. Bus. Cornelius, Roland, LD. Bus. Cornelius, Roland, LD. Bus. Cornelius, Roland, LD. Bus. Corneskie, Florence B. Corson, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Coyle, Roland J, LD. EE. Coughlin, Paul J, LD. LA. Covey, Roland J, LD. Sci. Coventry, Edwin James, LD. LA. Covey, Roland J, LD. EE. Covington, Duane M, LD. EE. Covener, Carol, LD. LA.	Seattle Seattle Seattle Seattle Echo, Or Yakima Seattle Milippines In Walla Seattle Seattle Seattle Seattle Seattle Seattle Seattle Seattle LIssaquah hillippines Angeles Spokane Seattle Seattle Auburn Seattle Auburn Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Corpolare, Homer G, Unc. Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. P. Corkrum, Fred, LD. Bus. Wal Corlett, Thirza, UD. Bus. Cornelius, Roland, LD. Bus. Cornelius, Roland, LD. Bus. Cornelius, Roland, LD. Bus. Cornelius, Roland, LD. Bus. Corne, M. Donald, 3rd Law Corskie, Florence B. Corson, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Por Coughlin, Paul J, LD. LA. Coupe, Rhea, LD. Bus. Coupez, Louis A, LD, Sci. Coventry, Edwin James, LD. LA. Covey, Roland J, LD. EE. Covington, Duane M, LD. EE. Cowan, Carol, LD. LA. Cowan, Carol, LD. LA. Cowan, Dorothy, LD. LA.	Seattle Senttle Senttle Senttle Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppage, Thomas R. LD. Bus. Coppage, Thomas R. LD. Bus. Corporate, Homer G, Unc, Bus. Corocran, June, LD. FA. Cordero, Rosaria, Grad. Corkrum, Fred, LD. Bus. Cornelius, Roland, LD. Bus. Cornelius, Florence B. Cornelius, Roland, LD. Bus. Cornelius, Florence B. Cornelius, Florence B. Cornelius, Florence B. Cornelius, Florence B. Cornelius, Roland, LD. EE. Coupe, Rhea, LD. Bus. Coupe, Rhea, LD. Bus. Coupe, Roland J, LD. EE. Coventry, Edwin James, LD. LA. Coventry, Edwin James, LD. LA. Cowan, Dorothy, LD. LA. Cowan, Dorothy, LD. LA.	Seattle Senttle Senttle Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Copplager, Homer G, Unc, Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. Corlett, Thirza, UD. Bus. Cornellus, Roland, LD. Bus. Cornellus, Rosaria T, LD. CE. Cornen, K. Donald, 3rd Law Corskie, Florence B. Corson, Kenneth P, LD. Min. Cottes, Rosaria T, LD. CE. Coventry, Radwin J. LD. LA. Coupe, Rhea, LD. Bus. Coupez, Louis A, LD, Sci. Coventry, Edwin James, LD. LA. Covey, Roland J, LD. EE. Covington, Duane M, LD. EE. Cowan, Carol, LD. LA. Cowan, Carol, LD. LA. Cowan, James, LD. LA. Cowan, James, LD. LA. Cowan, James, LD. LA. Cowderoy, Iola Elease, LD. FA.	Seattle Senttle Senttle Senttle Seattle Seattle Cho, Or Yakima Seattle Hilippines In Walla Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Corpolare, Homer G, Unc. Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. P. Corkrum, Fred, LD. Bus. Wal Corlett, Thirza, UD. Bus. Cornelius, Roland, LD. Bus. Corskie, Florence B. Corson, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Por Cougalin, Paul J, LD. LA. Coupez, Louis A, LD, Sci. Coventry, Edwin James, LD. LA. Covey, Roland J, LD. EE. Covington, Duane M, LD. EE. Cowan, Carol, LD. LA. Cowan, Dorothy, LD, LA. Cowan, James, LD. LA. Cowderoy, Iola Elease, LD. FA. *Cowgill, V Myrtle, Nur.	Seattle Senttle Senttle Seattle
Copeland, May, UD. LA. Copland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Coppage, Thomas R, LD. Bus. Corporat, Homer G, Unc, Bus. Corporat, June, LD. FA. Cordero, Rosaria, Grad. Cordero, Rosaria, Grad. Cornelius, Roland, LD. Bus. Cornelius, Rosaria T, LD. CE. Corne, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Coughlin, Paul J, LD. LA. Coupe, Rhea, LD. Bus. Coupe, Rhea, LD. Bus. Coupez, Louis A, LD, Sci. Coventry, Edwin James, LD. LA. Covey, Roland J, LD. EE. Cown, Carol, LD. LA. Cowan, Carol, LD. LA. Cowan, James, LD. LA. Cowderoy, Iola Elease, LD. FA. Cowning, Harriet, LD. Sci. Coventing, Mariel, Nur. Cowling, Harriet, LD. Sci.	Seattle Senttle Senttle Seattle Seattle Echo, Or Yakima Seattle Hilippines In Walla Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppland, Nena M, LD. Ed. Copplage, Thomas R, LD. Bus. Corpolager, Homer G, Unc. Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. Corlett, Thirza, UD. Bus. Cornellus, Roland, LD. Bus. Cornellus, LD. Bus. Cornellus, LD. Bus. Cornellus, LD. Bus. Cornellus, LD. CE. Coreson, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Coveser, Harold, LD. EE. Cougez, Louis A, LD, Sci. Coventry, Edwin James, LD. LA. Covey, Roland J, LD. EE. Covington, Duane M, LD. EE. Cowan, Carol, LD. LA. Cowan, Darnes, LD. LA. Cowan, James, LD. LA. Cowan, James, LD. LA. Cowderoy, Iola Elease, LD. FA. Cowgill, Wayrtle, Nur. Cowling, Merle, LD. Sci.	Seattle Senttle Senttle Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppange, Thomas R, LD. Bus. Coppange, Thomas R, LD. Bus. Corporate, Thomas R, LD. Bus. Corporate, Homer G, Unc, Bus. Corporate, Homer G, Unc, Bus. Correct, A Hazen, UD. FA. Cordero, Rosaria, Grad. Cordero, Rosaria, Grad. Corlett, Thirza, UD. Bus. Cornelius, Roland, LD. EE. Cowen, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Port Coughlin, Paul J, LD. LE. Coupe, Rhea, LD. Bus. Coupe, Rhea, LD. Bus. Coupe, Roland J, LD. EE. Coventry, Edwin James, LD. LA. Covey, Roland J, LD. EE. Cowan, Carol, LD. LA. Cowan, James, LD. LA. Cowan, James, LD. LA. Cowan, James, LD. LA. Cowding, Harrlet, LD. Sci. Cowling, Merle, LD. Ed. Cowling, Merle, LD. Ed.	Seattle Senttle Senttle Seattle Issaquah hillippines Angeles Spokane Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Copplager, Homer G, Unc, Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. Corlett, Thirza, UD. Bus. Cornellus, Roland, LD. Bus. Cornellus, Roland, LD. Bus. Cornellus, Roland, LD. Bus. Cornellus, Roland, LD. Bus. Cornellus, Rosaria T, LD. CE. Cornen, M. Donald, 3rd Law Corskie, Florence B. Corson, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Cosar, Harold, LD. EE. Coupe, Rhea, LD. Bus. Coupez, Louis A, LD, Sci. Coventry, Edwin James, LD. LA. Covey, Roland J, LD. EE. Covington, Duane M, LD. EE. Cowan, Carol, LD. LA. Cowan, Carol, LD. LA. Cowan, Dames M, LD. LA. Cowderoy, Iola Elease, LD. FA. "Cowdill, V Myrtle, Nur. Cowling, Merle, LD. Ed. "Cowling, Merle, LD. Ed. "Cox, Bascom, LD. LA. Cox, Bascom, LD. Eng.	Seattle Senttle Senttle Senttle Seattle Seattle Seattle Seattle Hilippines In Walla Seattle
Copeland, May, UD. LA. Copland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Coppage, Thomas R, LD. Bus. Corporat, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. Corlett, Thirza, UD. Bus. Cornelius, Roland, LD. Bus. Corons, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Corons, Kenneth P, LD. Min. Cottes, Rosaria T, LD. CE. Couge, Rhea, LD. Bus. Coupez, Louis A, LD, Sci. Coventry, Edwin James, LD. LA. Covey, Roland J, LD. EE. Covington, Duane M, LD. EE. Cowan, Carol, LD. LA. Cowderoy, Iola Elease, LD. FA. Cowderoy, Iola Elease, LD. FA. Cowding, Harriet, LD. Sci. Cowling, Merle, LD. Ed. Cox, Bassom, LD. Ed. Cox, Bernadine, LD. LA.	Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppange, Thomas R, LD. Bus. Coppange, Thomas R, LD. Bus. Corporate, Homer G, Unc, Bus. Corporate, Homer G, Unc, Bus. Corporate, Homer G, Unc, Bus. Correct, A Hazen, UD. FA. Cordero, Rosaria, Grad. Cordero, Rosaria, Grad. P. Corkrum, Fred, LD. Bus. Cornellus, Roland, LD. Bus. Cornellus, Rosaria T, LD. CE. Cornellus, Rosaria T, LD. CE. Cowenty, Renneth P, LD. Min. Coupe, Rhea, LD. Bus. Coupe, Rhea, LD. Bus. Coupe, Rhea, LD. Bus. Coupe, Rhea, LD. Bus. Coventry, Edwin James, LD. LA. Covey, Roland J, LD. EE. Coventry, Rdwin James, LD. LA. Coventry, Bayen, LD. LA. Cowan, Dorothy, LD, LA. Cowan, Dames, LD. LA. Cowan, James, LD. LA. Cowderoy, Iola Elease, LD. FA. Cowing, Marie, LD. Ed. Cowling, Marie, LD. Ed. Cox, Bascom, LD. Eng. Cox, Bascom, LD. Eng. Cox, Gladys Mable, LD. LA.	Seattle Senttle Senttle Senttle Senttle Senttle Echo, Or Yakima Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppland, Nena M, LD. Ed. Copplage, Thomas R, LD. Bus. Corpolager, Homer G, Unc. Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. Cordero, Rosaria, Grad. Corlett, Thirza, UD. Bus. Cornellus, Roland, LD. Bus. Cornellus, LD. Bus. Cornellus, M. Donald, 3rd Law Corskie, Florence B. Corson, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. Coveser, Harold, LD. EE. Coughlin, Paul J, LD. LA. Coupe, Rhea, LD. Bus. Coupez, Louis A, LD, Sci. Coventry, Edwin James, LD. LA. Covey, Roland J, LD. EE. Covington, Duane M, LD. EE. Covington, Duane M, LD. EE. Cowan, Dorothy, LD. LA. Cowan, James, LD. LA. Cowan, James, LD. LA. Cowan, James, LD. LA. Cowling, Marle, LD. Ed. Cox, Bascom, LD. Eng. Cox, Bernadine, LD. LA. Cox, Bernadine, LD. LA. Cox, Gaddys Mable, LD. LA. Cox, Manning W, Grad.	Seattle Senttle Senttle Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Coppage, Thomas R, LD. Bus. Corporal, Homer G, Unc, Bus. Corporal, Homer G, Unc, Bus. Cororan, June, LD. FA. Cordero, Rosaria, Grad. Cordero, Rosaria, Grad. Cornett, Thirza. UD. Bus. Cornelius, Roland, LD. Co. Cornelius, Roland, LD. Els. Corons, Kenneth P, LD. Min. Cortes, Rosaria T, LD. CE. P Cosser, Harold, LD. EE. Port Coughlin, Paul J, LD. LA. Coupe, Rhea, LD. Bus. Coupez, Louis A, LD, Sci. Coventry, Rdwin James, LD. LA. Covey, Roland J, LD. EE. Cowan, Carol, LD. LA. Cowan, James, LD. LA. Cowan, James, LD. LA. Cowan, James, LD. LA. Cowding, Harriet, LD. Sci. Cowling, Merle, LD. Ed. Cox, Bascom, LD. Eng. Cox, Bernadine, LD. LA. Cox, Gladys Mable, LD. LA. Cox, Gladys Mable, LD. LA. Cox, Billzabeth M, LD. LA.	Seattle Senttle Senttle Senttle Seattle Issaquah hillippines Angeles Spokane Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Copplager, Homer G, Unc, Bus. Corbett, A Hazen, UD. FA. Corcoran, June, LD. FA. Cordero, Rosaria, Grad. Corlett, Thirza, UD. Bus. Cornellus, Roland, LD. Bus. Cornellus, Rosaria T, LD. CE. Cornellus, Rosaria T, LD. CE. Corenty, Rosaria T, LD. CE. Coupez, Louis A, LD, Ed. Coupez, Louis A, LD, Sci. Coventry, Edwin James, LD. LA. Covey, Roland J, LD. EE. Covington, Duane M, LD. EE. Covington, Duane M, LD. EE. Cowan, Carol, LD. LA. Cowan, Carol, LD. LA. Cowan, Carol, LD. LA. Cowderoy, Iola Elease, LD. FA. *Cowgill, W Myrtle, Nur. Cowling, Merle, LD. Ed. *Cowling, Merle, LD. Ed. *Cox, Bernadine, LD. LA. Cox, Bascom, LD. LA. Cox, Gladys Mable, LD. LA. Coraig, Elizabeth M, LD, LA. Craig, Elizabeth M, LD, LA. Craig, Elizabeth M, LD, LA.	Seattle Senttle Senttle Senttle Seattle Seattle Seattle Seattle Hilippines In Walla Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppage, Thomas R. LD. Bus. Coppage, Thomas R. LD. Bus. Corporate, Homer G, Unc, Bus. Corporate, Homer G, Unc, Bus. Corocran, June, LD. FA. Cordero, Rosaria, Grad. Corkrum, Fred, LD. Bus. Cornelius, Roland, LD. EE. Coughlin, Paul J, LD. LA. Coupe, Rhea, LD. Bus. Coupe, Rhea, LD. Bus. Coupe, Roland J, LD. EE. Coventry, Edwin James, LD. LA. Covey, Roland J, LD. EE. Covan, Carol, LD. LA. Cowan, Carol, LD. LA. Cowan, James, LD. LA. Cowan, James, LD. LA. Cowan, James, LD. LA. Cowan, James, LD. LA. Cowing, Merle, LD. Ed. Cox, Bascom, LD. Eng. Cox, Bascom, LD. Eng. Cox, Gladys Mable, LD. LA. Cox, Gladys Mable, LD. LA. Craig, Mirlam Scheetz, UD. Sci. Cramer, Dwight, LD. Phar.	Seattle Colfax Seattle Helsson Seattle
Copeland, May. UD. LA. Copland, Nena M, LD. Ed. Coppage, Thomas R, LD. Bus. Coppage, Thomas R, LD. Bus. Corporat, Homer G, Unc, Bus. Corporat, Homer G, Unc, Bus. Cororan, June, LD. FA. Cordero, Rosaria, Grad. Corlett, Thirza. UD. Bus. Cornellus, Roland, LD. Bus. Cornellus, Rosaria T, LD. Min. Cortes, Rosaria T, LD. CE. Coron, Kenneth P, LD. Min. Cottes, Rosaria T, LD. CE. Coughlin, Paul J, LD. LA. Coupe, Rhea, LD. Bus. Coupez, Louis A, LD, Sci. Coventry, Edwin James, LD. LA. Covey, Roland J, LD. EE. Covan, Carol, LD. LA. Cowan, Dorothy, LD, LA. Cowan, Dorothy, LD, LA. Cowan, James, LD. LA. Cowan, James, LD. LA. Cowding, Marle, LD. Ed. Cox, Bascom, LD. Ed. Cox, Bascom, LD. Eng. Cox, Bascom, LD. Eng. Cox, Barnadine, LD. LA. Cox, Gladys Mable, LD. LA. Craig, Miriam Scheetz, UD. Sci. Cramer, Dwight, LD. Fd.	Seattle Senttle Senttle Senttle Senttle Senttle Senttle Senttle Hilippines In Walla Seattle Senttle
Collins, Anna Mary, Grad **Collins, Edward D, Unc. Sci. Collins, Elste, LD. Bus. Collins, Elste, LD. Bus. Collins, Elste, LD. Bus. Collins, Marie A, Grad. Collins, W. Chapin, Grad. Collins, Josephine H, LD. LA. Colton, Jeannette, UD. FA. Colvin, John, LD. Els. Combs, Dorothy, LD, LA. Comiss, Esther M, LD. LA. Comiss, Berett L, LD. El. Compton, Harry O, LD. Els. Compton, Harry O, LD. Els. Compton, Harry O, LD. Els. Compton, Merrill Eugene, LD. Ed. Conner, John A, UD, Els. Conkey, Glen B, UD. Bus. Conkey, Glen B, UD. Bus. Conkey, Glen B, UD. Bus. Conner, Antoinette C, LD. LA. Connor, Garland D, LD. Bus. Connor, Aileen, LD. LA. Conover, Charles Norman H, LD. L Conover, Charles Norman H, LD. L Conover, Charles Norman H, LD. L Cooke, Mirlam G, LD. LA. Cooke, Mirlam G, LD. FA. Coolidge, Alethea, LD. FA. Coolidge, Ramma, LD. LA. Coolidge, Ramma, LD. LA. Cooper, Margaret C, UD, LA. Cooper, Margaret G, UD. LA. Cooper, Rebecca, Grad. Cooper, Roy, LD. Ed. Copland, May, UD. Ed. Corplinger, Homer G, Unc, Bus. Corpli	Seattle

Crane, Lillian A, UD. LA. Seattle Crane, Marion A, LD. LA. Seattle Craven, Margaret, LD, LA. Bellingham Crawford, Dorothy E, LD, Sci. Seattle Crawford, Wollace W, LD, Bus. Seattle Crawford, W Blace W, LD, Bus. Seattle Crawford, W B, UD, FA. Walla Walla Crawford, W B, UD, EM, Seattle Creech, G S, LD, Min. Seattle Creech, G S, LD, Min. Seattle Creech, G S, LD, Min. Seattle Crim, Winnifred, LD, LA. Seattle Crim, Winnifred, LD, LA. Seattle Crimmins, Florence, LD, Sci. Seattle Crimmins, Florence, LD, Sci. Seattle Crimmins, Florence, LD, Sci. Seattle Crostad, Lewis, UD, EE. Mt Vernon Crok, Eveline E, UD, Ed. Alfalfa, Ore Cromble, Walter F, UD, For. Olympia Cronin, Nona, LD, Bus. Battle Crosty, Harold W, LD, Bus. Seattle Crosby, Harold W, LD, Bus. Seattle Crosby, S Miriam, UD, Sci. Seattle Crosby, S Miriam, UD, Sci. Seattle Crosby, Beatrice, LD, LA. Seattle Crouch, Donna Leone, UD, Bus. Seattle Crowe, Malcolm, LD, Eng. Seattle Crueger, Frank, Fr. Eng. Seattle Crueger, Frank, LD, EE. Seattle Crueger, Frank, LD, EE. Seattle Crueger, Frank, LD, EE. Seattle Crueger, Frank, LD, Bus. Seattle Cruming, Leonard W, LD, ChE. Tacoma Cruzen, Edward A, LD, Bus. Seattle Cultum, Gordon L, LD, EE. Seattle Cunningham, Miss Creigh, UD, LA. Seattle Curries, Mary E, UD, Sci. Cashmere Curtis, Frank Lewis, UD, Bus. Seattle Curtis, Stanley W, UD, Phar. Spokane Curtis, Whitney A, LD, Eng. Seattle Curtis, Cellin, LD,

Danby, Leo Chandler, LD, EE	Seattle
Daniel, J Leland, LD, Bus	.Spokane
Danielson, Lillian C. UD. Ed	.Tacoma
Danner, Earl Y, LD, EE	Seattle
Dare, Earl, UD, Bus	Seattle
Dark, Carleton W, LD, LA	Seattle
Dark, Borothy, LD, Sci Dark, Kathryn, LD, Sci	Seattle
Darling, Irene F, UD, LASo	uth Bend
Daugherty, Anna M, UD, SciNev	vport, Or
Daugherty, Bernice E, LD, FA	Seattle
Davenport, Miss Lesley E, LD, LA	Seattle
David, Emerson E, UD, Bus	. Seattle
Davidson, Dorothy B, LD, LA	Seattle
Davis, Elizabeth, LD, LAOp	portunity Seattle
Davies, Gwyn O O, Unc, LA	le Elum
Davies, Lawrence M, LD, Sci Davies, Thomas Davion, LD, Bus	Cle Elum Seattle
Davies, Trevor, LD, Bus	Seattle
Davis, Benjamin Franklin, LD, Bus	Seattle
Davis, Caleb F, LD, EE	Seattle
Davis, Cecil C, LD, Eng Davis, Dwight E, UD, MinPt	Orchard
Davis, Ethel, LD, LA	Seattle
Davis, Florence M. LD. LA	Seattle
Davis, Garnet M, UD, Bus	Donald
Davis, Helen Marjorie, LD, Sci *Davis, Inez Irene, Nur	Palisades
Davis, Kathryn S, LD, Sci	Seattle
Davis, Marjorie, LD, FA	Seattle
Davis, Mary Aleen, UD, SciB	ellingham
Davis, Mercie Irene, LD, LA Davis, Paul Bryan, LD, EE	Donaid .Endicott
Davis, Paul M, LD, BusDe	nver, Col
Davis, Raiph J, UD, Bus	Buhl, Ida
Davis, Thornton J, LD, Bus	Seattle
Davis, Vernon, LD, BusWal	la Walla
Davis, William B. LD. Bus-Por	tland, Or
Davison, Elmer E, UD, Bus	Seattle
Davison, James, LD, Bus	Seattle
Daws, Ethel Leoto, LD, Ed	.Kirkland
Dawson, Lee, LD, EE	Seattle
Day, Evelyn Mae, LD, SciRichmo	nd Beach
Day, Margaret E, UD, Jour	Clarkston
Dean, Edward E, LD, EE	.Olympia
Dean, Floyd Merlin, LD, SciB	ellingham Seattle
Dearle, Katharine, LD, LA	Everett
Deer, Gladys F, UD, LA Degering Clara O, Unc. EdColl	ege Place
Delkin, James L, LD, LA	Seattle
Deets, Walter G, UD, BusB	ellingham
De Force, Helen, LD, LA	.Spokane
Dekker, Kate, LD, EdS	oap Lake
De Lancy, Margaret, LD, Bus	Seattle
De Laney, Henry L, LD, Bus. Rich	mond, Mt
de la Pole, Dorothy, UD, LA	Seattle
Deming, George M, UD, ChE	Seattle
Dempsey, Paul Revere, LD, Sci	Seattle
Danby, Leo Chandler, LD, EE. Daniels, J. Leland, LD, Sci. Daniels, Eve, LD, Sci. Danielson, Lillian C, UD, Ed. Danner, Earl Y, LD, EE. Davielson, Lillian C, UD, Ed. Darner, Earl Y, LD, EE. Dark, Carleton W, LD, Ed. Dark, Carleton W, LD, LA. Dark, Dorothy, LD, Sci. Dark, Carleton W, LD, LA. Dark, Dorothy, LD, Sci. Daugenspeck, Marion H, UD, Ed. Daugherty, Anna M, UD, Sci. Daugenspeck, Marion H, UD, Ed. Daugherty, Iva A, LD, Ed. Daugherty, Iva A, LD, Ed. Davenport, Miss Lesley E, LD, FA. Daugherty, Henrice E, LD, FA. David, Emerson E, UD, Bus. Davidson, Dorothy B, LD, LA. Davidson, Beth, UD, Sci. Davies, Gwyn O O, Unc, LA. Davies, Gwyn O O, Unc, LA. Davies, Trevor, LD, Bus. Davies, Trevor, LD, Bus. Davies, Trevor, LD, Bus. Davis, Benjamin Franklin, LD, Bus Davis, Benjamin Franklin, LD, Bus Davis, Cecil C, LD, Eng. Davis, Cecil C, LD, Eng. Davis, Garnet M, UD, LA. Davis, Marjorle, LD, FA. Davis, Marjorle, LD, FA. Davis, Paul M, LD, Bus. Davis, Paul M, LD, Bus. Davis, Raph J, UD, Bus. Davis, Raph J, UD, Bus. Davis, Ray N, LD, Ed. Davis, Paul M, LD, Bus. Davis, Ray N, LD, Ed. Davis, Cecil C, LD, Eng. Davis, Marjorle, LD, FA. Davis, Marjorle, LD, LA. Davis, Raph J, UD, Bus. Davis, Paul M, LD, Bus. Davis, Ray N, LD, Ed. Davis, Paul M, LD, Bus. Davis, Wilbur Lee, LD. Bus.—Por Davis, William R, LD, Bus. Davis, Margaret, UD, Sci. Blows, Margaret, LD, LA. Deener, Gladys F, UD, LA. Deener, Chales R, LD, LA. Deener, Chales R, LD, LA. Deener, Chales R, LD, LA. Denner, Charles	Everett

Denning, Alice Margaret, LD, Sci. Portage

Doutrich, Stephen, LD, MinSpokane	Ebeling, Walter W, LD, SciBurlington
Dovor Loon David IID Pro Santtle	The Down I III the Control
Dovel, Devil David, OD, Bus Seattle	Echart Vive M I.D I.A Vencence BC
Down, Andrew, UD, LALacey	Ekhart Robert B. IID. Rus. Ennmelsw
Downie, Ruth, LD, SciSeattle	Eckmann, Ray L. UD. BusSeattle
Doutrich, Stephen, L.D., Min. Sporane Dover, Leon David, UD, Bus. Seattle Dowling, Barbara, LD, Sci. Seattle Down, Andrew, UD, LA. Lacey Downie, Ruth, LD, Sci. Seattle Doyle, Edna May, UD, Sci. Seattle Doyle, James C, LD, Sci. Sporane Doyle, Leo A, LD, Sci. Rossland, B.C. Doyle, Leona, UD, Bus. Seattle Drager, Gertrude, LD, Ed. Seattle Drake, Edward F, UD, EE. Tacoma Dranga, Albert E, LD, Bus. Seattle Draper, Isabel, LD, FA. Seattle Praves, Galen B, Bus. Seattle	Eckman, Richard, LD, LASeattle
Doyle, James C, LD. SciSpokane	Eckrem, Lillian Dagrun, Unc, SciSeattle
Doyle, Leo A, LD, SciRossland, B.C.	Eckstein, H, Unc, Bus. Mountain Home, Ida
Doyle, Leona, UD, BusSeattle	Edades, Victorio C, UD, FAPhilippines
Drager, Gertrude, LD, EdSeattle	Edderg, Wendell Earl, 1st Law. Bellingham
Dranga Albert E. T.D. Rug Seattle	Eddy Esther Trope I.D. Res South
Draper, Isabel, LD, FASeattle	Eddy, Richard H. LD. For. Olympia
**Draves. Galen B. BusSeattle	Edgell, Dwight, LD, EH, Seattle
Drentwett, Louis, LD, FASeattle	Edgell, Hurst, LD. PharSeattle
Drew, Donald Russell, UD, BusSeattle	Edgers, Newton W. LD, EESeattle
Drew, Laura M. LD, PharLake Stevens	Edgerton, Ernest B, LD, Sci Seattle
Driscoll Flores A TD LA BusSeattle	Edinger, Carter W, LD, LASeattle
Drentwes, Grain B, Bus	Edier, Oldi E., LD., FA
D'Snain, Grace IID, Sci Tacoma	Edmandes Willard S T.D Sei Scottle
DuBois, Kinsley L. LD. LAVancouver	Edmonds, Robert H G. Grad
Ducasse, Mrs. Mabel L. LD. Ed Seattle	Edson, Emily H. UD. Sci Bellingham
Dudley, Chas F, LD, LASeattle	Edson, William O, UD, EdBellingham
Dudley, Lila Adele, GradSeattle	Edwards, C Archie, LD, BusSeattle
Dufall, Esther, UD, SciTacoma	Edwards, Charles HLovilla, Ia
Durry, Thomas U, LD, EESeattle	Ebeling, Walter W, LD, Sci Burlington Eby, Roger I, LD, Eng Spokane Eckert, Viva M, LD, LA Vancouver, BC Ekhart, Robert B, UD, Bus Enumelaw Eckmann, Ray L, UD, Bus Seattle Eckmann, Richard, LD, LA Seattle Eckman, Richard, LD, LA Seattle Eckrem, Lillian Dagrun, Unc, Sci Seattle Eckrem, Wendell Earl, 1st Law. Bellingham Eddy, Erma Smith, LD, LA Seattle Eddy, Esther Irene, LD, Bus Seattle Eddy, Esther Irene, LD, Bus Seattle Eddy, Esther Irene, LD, For Olympia Edgell, Dwight, LD, EE Seattle Edgell, Dwight, LD, EE Seattle Edgers, Newton W, LD, EE Seattle Edgers, Newton W, LD, EE Seattle Edgers, Newton W, LD, EA Seattle Edger, Olof E, LD, FA Mt Vernon Edmands, Frank Hall, LD, Eug Seattle Edmendes, Williard S, LD, Sci Seattle Edmendes, Williard S, LD, Sci Seattle Edmends, Robert H G, Grad Seattle Edmonds, Robert H G, Grad Seattle Edwards, OArchle, LD, Eds Bellingham Edwards, OArchle, LD, Eds Seattle Edwards, Dorothy L, LD, LA Seattle Edwards, Elizabeth, LD, LA Seattle Edwards, Elizabeth, LD, LA Seattle Edwards, Flennor B, LD, FA Seattle Edwards, Robert, LD, LA Seattle Edwards, Robert, UD, Sci Seattle Edwards, Thelma L, UD, LA Seattle Edwards, Elizaber, LD, LA Seattle Edwards, Elizaber, LD, LA Seattle Edwards, Elizaber, LD, Bus Seattle Ehrlich, B
Dugan, ricien J. Lib. SciScattle	Warned Floorer B T.D FA Scottle
Dugdale, Harold F. LD. Rus Seattle	Edwards, Elizabeth LD LA Seattle
**Dumett. Clem W. BusSeattle	Edwards, Esther, LD, LASeattle
Dunaway, Mary F. LD, LASeattle	Edwards, George W. LD. ForSeattle
Dunbar, Delia B, LD, LAYakima	Edwards, John W, LD, LASeattle
Duncan, Clifford S, LD, EngSeattle	Edwards, Pauline, LD, LASeattle
Duncan, Kenneth, LD, EngSeattle	Edwards, Robert, UD, SciSeattle
Duncan, Patricia P, LD, LAToppenisu	Edwards, Theima L. UD, LASeattle
Duncan, Margaret, IID, LA., Red Bluff, Cal	Egtvet. C Percy. Unc. RusSeattle
Duncanson, Harold B. Unc. EE Seattle	Eheim. Helen. LD. PharSeattle
Dunmore, Blanche, UD, LASeattle	Ehrenberg, Eugene d'A Unc, Phar. Ellensburg
Dunn, Alice, UD, LASunnyside	Ehrke, Ernest B, UD, EESeattle
Dunn, Arthur G, LD, LASeattle	Ehrke, Herbert, LD, BusSeattle
Dunn, Beatrice, GradWaterville	Enriich, Barbara, LD, LASeattle
Dunn Edward Albert LD For South	Whylish Louise T.D. L.A. Seettle
Dunn, Frank M. LD. For	Eikelbermer, George C. LD. LA. Wenatchee
Dunn, Helen M. UD, SciWaterville	Einarsen, Arthur S, LD, EdStanwood
Dunn, John J. 1st LawSeattle	Eisenhower, Earl D, UD, EETacoma
Dunn, Margaret Carol, LD, Ed Seattle	Elberson, Ruth, LD, LASeattle
Dunn, Mary B, LD, LAScattle	Eldridge, Wesley R, LD, BusSeattle
Drnor Poul I.D Rug Souttle	Elford Marian A T.D T.A Scottle
DuPree Ernest F. LD. SciTacoma	Elias, Frank, LD, ForSeattle
Dupuis, Margaret, LD, SciSeattle	Eller, Arleta, LD, LASeattle
Durgin, Carey, LD, EEEnumclaw	Ellertson, Homer K, LD, ME. Brush Prairie
Durham, Mrs Irene S, LD, LASeattle	Elliott, Clarence R, UD, BusKelso
Durkee, Mary E, LD, LATacoma	Elliott, Maxine B, LD, LASeattle
Du Roe, Berenice, LD, LABellingham	MILIOTT, STARLEY, LD, LASeattle
Driscoll, Eugene A, LD, LA. Renton Drumheller, Joseph, LD, ChE. Spokane D'Spain, Grace, UD, Sci	Ellis Corel El LD FA Scottle
Dritch Dorothy E LD Sci North Rend	Ellis, Overton G Jr. LD. BrsTacoms
Dutton, Gladys, UD, Bus, Scattle	Ellis, Ruth Lee, LD, Ed Twin Falls, Ida
Dutton, Harry John, LD, Bus Seattle	Ellis, Samuel, Unc, ChEWaterville
Dutton, Virginia, Unc. SciSeattle	Ells, Marion V, LD, FABellingham
Dwyer, Kathryn Rita, LD, LARosalia	Eiscott, Guy R, UD, BusSully, Ia
Dye, Catharine H, LD, LADavenport	Elizioto, Ruto, UD, LABuena
Dyke Too C I.D T.A Seattle	Elwell, Marion M. LD. FA Seattle
Dygart, Ada A. LD. SciSeaffle	Elwell, Talmage F. LD. BusSeattle
	Ellsworth, Paul T, GradSeattle
	Emanuel, Ellen, LD, FASeattle
Eades, Herbert W. UD, For Vancouver BC	Empree, Harold B, LD, PharSeattle
Engleson, Helen E, GradSeattle	Emmo I Morroret L.D. T.A
Element Robert R. CD. Ed Rothell	Emmons, Harold W. Unc. Law. Portland. Or
**Rasterbrook, W G, UD. EngPt Townsend	Encarnacion, Fidel P, LD, Eng. Philippines
Easterbrook, Wm E, LD, Bus Pt Townsend	Eng, Jack, Fr EngSeattle
Eastman, Austin V, UD. EE Seattle	Engel, Leo J. LD, ForJamestown, NY
Eades, Herbert W. UD, For. Vancouver BC Eagleson, Halen E, GradSeattle Eagleson, Margaret, LD, LASeattle Eagnest, Robert R, LD, EdBothell **Basterbrook, W G, UD, Eng. Pt Townsend Easterbrook, W m E, LD, Bus. Pt Townsend Eastman, Austin Y, UD. EESeattle Eastman, Fred S, LD, EESeattle Eaton, Dorothy T, LD, LASeattle	Enrenberg, Eugene d'A Unc, Phar Ellenburg Ehrke, Ernest B, UD, EE Seattle Ehrlich, Barbara, LD, LA Seattle Ehrlich, Dorothy O, UD, LA Seattle Ehrlich, Loulse, LD, LA Seattle Ehrlich, Loulse, LD, LA Seattle Ellichemer, George O, LD, LA Wenatchee Einarsen, Arthur S, LD, Ed Stanwood Elsenhower, Earl D, UD, EE Tacoma Elberson, Ruth, LD, LA Seattle Eldridge, Wesley R, LD, Bus Seattle Elford, Gertrude, UD, LA Seattle Elford, Marian A, LD, LA Seattle Elford, Marian A, LD, LA Seattle Eller, Arleta, LD, LA Seattle Eller, Arleta, LD, LA Seattle Ellertson, Homer K, LD, ME Brush Prairie Elliott, Clarence R, UD, Bus Kelso Elliott, Maxine B, LD, LA Seattle Elliott, Stanley, LD, LA Seattle Ellist, Coral E, LD, FA Seattle Ellis, Coverton G Jr, LD, Bus Tacoma Ellis, Ruth Lee, LD, Ed Twin Falls, Ida Ellis, Samuel, Unc, ChE Waterville Ells, Marion V, LD, FA Bellingham Elscott, Guy R, UD, Bus Seattle Ellwell, Marion M, LD, FA Seattle Elwell, Marion M, LD, FA Seattle Ellembree, Harold B, LD, Phar Seattle Emmer, Marianne, LD, FA Seattle Emger, Glack, Fr Eng. Seattle Eng, Seate, Fr Eng. Seattle Eng, Jack, Fr Eng. Seattle
Bawn, Durumy I, III, HA	amount out any war, american automa

Englehorn, Ruth, UD. LASpokane
Market Tamor D ID ME South
English, James D, LD, EESeattle Enloe, Kelth Moss, LD, BusSpokane
Enice, Keith Moss, LD, BusSpokane
Enochs. Adam Harry, LD, LABurton Epperson, Gladys M, LD, FASeattle
Ennoyeon Glades M LD EA Seattle
Epperson, Gladys M., IID, FA
Epperson, Grace, LD, LASeattle
Erickson, Esther E, LD, LAAberdeen Ericksen, Laila G, LD, LASeattle
Wrighton Laile G LD LA Scottle
Bricksen, Lana G, III, DA Scattle
Ericksen, Lioyd G, LD, EEBothen
Ericksen, Lloyd G, LD, REBothell Erickson, Elisabeth E, LD, EdKent **Erickson, Orin H, Sp, Bus. Pocatello, Ida
##Friebron Orin H Sn Bng Pocatollo Ide
Third T.
Erickson, Phil K, LD, LASeattle Erickson, Philip, LD, BusEverett
Erickson, Philip. LD. Bus
Erickson, Richard C, LD, Bus Edmonds
Erickson, Samuel T, LD, LASeattle
Erickson, Samuel I, LD, LASeatue
Erickson, Sylvia P, UD, LASeattle
Erickson Wolden D LD, ME Seattle
Erickson, Walden D, LD, MESeattle Erickson, William P, UD, BusSeattle
MICKSON, WILLIAM F, UD, BusScattle
Ericson, Earl E, LD, EESeattle Ericson, Howard C, UD, BusTacoma
Ericson, Howard C. UD. Bus Tacoma
Eriksen, Edward, LD, BusSeattle
Prinsen, Edward, III, Dus
Erwin, Curtis Lincoln, LD, LASeattle
Erwin, Susan C, UD, LASeattle
Erwin Wirth Inc MR Seattle
The Tames To To The Day Goottle
neary, James D Jr, LD, Dus Scattle
Erwin, Wirth, Unc, MESeattle Essry, James D Jr, LD, BusSeattle Espino, Felix V, LD, CEPhilippines
Espino, Felix V, LD, CEPhilippines Estes Fred Jr. LD, CESeattle
Estes, Fred Jr. LD. CESeattle
Estes, Fred Jr. LD. CESeattle
Estes, Fred Jr, LD, CE
Espino, Felix V, LD, CE
Espino, Felix V, LD, CE
Espino, Feux V, LD, CE
Espino, Feux V, LD, CE
Espino, Feux V, LD, CE
Espino, Feux V, LD, CE
Espino, Feux V, LD, CE
Espino, Feux V, LD, CE
Espino, Feux V, LD, CE
Espino, Felix V, LD, CE
Espino, Felix V, LiD, CE
Espino, Felix V, LiD, CE
Espino, Felix V, LiD, CE
Espino, Felix V, LiD, CE
Espino, Felix V, LiD, CE
Espino, Feilx V, LiD, CE
Espino, Felix V, LiD, CE
Espino, Felix V, LiD, CE
Espino, Felix V, LiD, CE

Forgythe, Elsie N. LD. FA Tecome
Forward, Charles H. LD. ForSeattle
Fordick Helen Whitman IID LA Souttle
Mana 36 Tarretta TTD 734 Gardia
FOSS, Mary Loretta, UD, FA Seattle
Foss, Virginia Ruth, LD, FA. Walla Walla
Roster, Dorothy Vanghan, LD, LA, Seattle
Western Theat Change ID Day Warning
Foster, Fred Stearns, LD, Bus Hoquiam
Foster, C Gulley, LD, LASeattle
Foster Harry E Sed Low Souttle
Thester Older Desert Cont. There or Oak
Foster, Ulive Reeves, GradDenver, Col
Foster, Waco T. LD. LASeattle
Route Marie III) Ed Seattle
Therefore Almos A. T.D. Village Contains
rowier, Aima A, LD, Educseatue
Fowler, Edna Elizabeth, UD, FASeattle
Fowler F C Jr LD LA Senttle
Manday II-las II III I I
Fowler, Helen E, LD, LA Seattle
Fowler, Thos N. Unc. LawSeattle
Now Ring M. III) LA Souttle
Total India Mi, UD, III
Fox, Fay Erwin, LD, Pharseattle
Fox. Jean. LD. FA
For John El LD ME Mina
BOX, 30mm 19, 111, 1113
Frahm, Lawrence W. UD, EE Seattle
Frame, Howard A. UD. BusTalent, Or
Frome Angel Devere T.D. T.A. Philipping
Flame, Angel Devera, Inc. DA Innippines
France, Madgill A, LD. EdMontesano
France, Rowland G. LD. Bus Montesano
Francis Drawn El III) Sai Santila
Brancis, Byron B, OD. Sciseattle
Francisco, Ethel, LD. LASeattle
Frankland, Charles F. IID. Bus Seattle
Thombland Wolden TD Dan Goottle
Frankland, Waiter, LD. Dus Seattle
Franklin, Charles H. LD. EE Seattle
Franklin, Shadrach R. IID, Bus Seattle
Whenke Proct ID Fre South
Branks, Ernest, 110, Eng Seattle
Fraser, Edmund S, UD. BusSeattle
Frager, Frank H. LD. LASeattle
Manage Tomas Franct ID Dag Volting
Praser, James Ewart, ID. Dus Iakima
Fraser, A Rosena, GradBurlington
Frager William M. IID Ed Tacoma
Thomasoli Tecenhine T.D. T.A. Contile
Eransion, Josephine, ID. DASeatue
Frayn, L. Richard, LD. Bus Seattle
Frazier, Enid A. IID. LAPocatello, Ida
Frazier, Enid A, UD. LAPocatello, Ida
Frazier, Enid A, UD. LAPocatello, Ida Frazier, George Gordon, ID. MESeattle
Frazier, Enid A, UD. IAPocatello, Ida Frazier, George Gordon, LD. MESeattle Fredlund, Reynold, LD. EESeattle
Frayir, E. Richard, I.D. Bus
Frazier, Enid A, UD. LAPocatello, Ida Frazier, George Gordon, LD. MESeattle Fredlund, Reynold, LD. EESeattle Frederickson, Esther, Unc, FASeattle
Frayir, E. Richard, I.D. Bus
Frayir, L. Richard, L.D. Bus
Frazier, Enid A. UD. LA Pocatello, Ida Frazier, George Gordon, LD. ME Seattle Freddund, Reynold, LD. EE Seattle Frederickson, Esther, Unc. FA Seattle Free, Alonzo K, UD. ME Murray Freeburn, Grace S, LD, FA Seattle Freeman, George W. LD. Sci Spokane
Frayir, L. Richard, I.D. Bus
Frayir, L. Richard, I.D. Bus
Frayl, L. Richard, L.D. Bus
Frayir, L. Richard, I.D. Bus
Frayl, L. Richard, L.D. Bus
Frayir, L. Richard, I.D. Bus
Frayl, L. Richard, L.D. Bus
Frayir, L. Richard, L.D. Bus
Frayl, L. Richard, I.D. Bus
Frayir, L. Richard, L.D. Bus
Frayl, L. Richard, L.D. Bus
Frayir, L. Richard, L.D. Bus
Frayl, L. Richard, L.D. Bus
Frayl, L. Richard, L.D. Bus
Frayl, L. Richard, LD. Bus
Frayir, L. Richard, L.D. Bus
Frayl, L. Richard, LD. Bus
Frayl, L. Richard, L.D. Bus
Frayl, L. Richard, LD. Bus
Frayl, L. Richard, L.D. Bus
Frayl, L. Richard, L.D. Bus
Frayir, L. Richard, L.D. Bus
Frayin, L. Richard, L.D. Bus. Seattle Frazier, Enid A, U.D. LA. Pocatello, Ida Frazier, George Gordon, L.D. ME. Seattle Fredund, Reynold, L.D. EB. Seattle Frederickson, Esther, Unc, FA. Seattle Free, Alonzo K, U.D. ME. Murray Freeburn, Grace S, L.D. FA. Seattle Freeman, George W, L.D. Sci. Spokane Freeman, Norman L, L.D. Min. Vancouver B C Freeman, Vivian Claire, U.D. LA. Seattle Frein, Alice V, U.D. LA. Seattle Frein, Alice V, U.D. LA. Seattle Frein, Alice V, U.D. LA. Seattle Frein, Alice W, U.D. LA. Seattle Frein, Horace H, U.D. Bus. Seattle French, Mrs. Hazel D, Grad Ephrata French, Jasper J, L.D For. Spokane French, Mabelle, L.D. Bus. Seattle Freidenberg, Vivian, Unc, Bus. Seattle Friberg, Louis W, U.D. CE. Seattle Friberg, Louis W, U.D. CE. Seattle Friese, Frank Henry, L.D. Bus. Seattle Friese, Frank Henry, L.D. Bus. Seattle Friese, Frank Henry, L.D. Bus. Seattle Friese, Mrs. Ruth F, L.D. La. Snohomish Frink, James Harold, L.D. ME. Seattle Fritts, Bessie, L.D. FA. Waterville
Frayir, L. Richard, L.D. Bus
Frayir, L. Richard, L.D. Bus. Seattle Frazier, Enid A, UD. LA. Pocatello, Ida Frazier, George Gordon, L.D. ME. Seattle Fredund, Reynold, L.D. EB. Seattle Frederickson, Esther, Unc, FA. Seattle Free, Alonzo K, UD. ME. Murray Freeburn, Grace S, L.D. FA. Seattle Freeman, George W, L.D. Sci. Spokane Freeman, Norman L, L.D. Min. Vancouver B C Freeman, Vivian Claire, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Horace H, UD. Bus. Seattle French, Mrs. Hazel D, Grad Ephrata French, Mrs. Hazel D, Grad Ephrata French, Mabelle, L.D. Bus. Seattle Frendenberg, Vivian, Unc, Bus. Seattle Freidenberg, Vivian, Unc, Bus. Seattle Friberg, Louis W, UD. CE. Seattle Friese, Frank Henry, L.D. Bus. Seattle Friese, Mrs. Ruth F, L.D. LA. Snohomish Frink, James Harold, L.D. ME. Seattle Fritts, Bessie, L.D FA. Waterville Frooff, Serge I, Unc. EE. Russia Frost, Vernon, L.D. LA. Seattle
Frayl, L. Richard, LD. Bus
Frayir, L. Richard, L.D. Bus. Seattle Frazier, Enid A, UD. LA. Pocatello, Ida Frazier, George Gordon, L.D. ME. Seattle Fredund, Reynold, L.D. EB. Seattle Frederickson, Esther, Unc, FA. Seattle Free, Alonzo K, UD. ME. Murray Freeburn, Grace S, L.D. FA. Seattle Freeman, George W, L.D. Sci. Spokane Freeman, Norman L, L.D. Min. Vancouver B C Freeman, Vivian Claire, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Agnes A, L.D. LA. Seattle French, Mrs. Hazel D, Grad Ephrata French, Mrs. Hazel D, Grad Ephrata French, Mapelle, L.D. Bus. Seattle French, Mapelle, L.D. Bus. Seattle Frenchenerg, Vivian, Unc, Bus. Seattle Friberg, Louis W, UD. CE. Seattle Friberg, Louis W, UD. CE. Seattle Friese, Frank Henry, L.D. Bus. Shohomish Friese, Mrs. Ruth F, L.D. LA. Snohomish Friese, Mrs. Ruth F, L.D. LA. Snohomish Frink, James Harold, L.D. ME. Seattle Fritts, Bessic, L.D. FA. Waterville Froude, Chester Wm, L.D. Bus. Seattle Froude, Chester Wm, L.D. Bus. S
Frayl, L. Richard, LD. Bus. Seattle Frazier, Enid A, UD. LA. Pocatello, Ida Frazier, George Gordon, LD. ME. Seattle Frederickson, Esther, Unc. FA. Seattle Frederickson, Esther, Unc. FA. Seattle Free, Alonzo K. UD. ME. Murray Freeburn, Grace S. LD. FA. Seattle Freeman, George W, LD. Sci. Spokane Freeman, Norman L, LD, Min. Vancouver B C Freeman, Vivian Claire, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Agnes A, LD. LA. Seattle Frein, Agnes A, LD. LA. Seattle French, Masell, UD. Bus. Seattle French, Mrs. Hazel D, Grad Ephrata French, Maselle, LD. Bus. Seattle French, Mabelle, LD. Bus. Seattle Freudenberg, Vivian, Unc. Bus. Seattle Fredenberg, Vivian, Unc. Bus. Seattle Friedman, Samuel, LD. Bus. Scattle Friedman, Samuel, LD. Bus. Sochomish Frise, Frank Henry, LD. Bus. Snohomish Frink, James Harold, LD. ME. Seattle Friese, Frank Henry, LD. Bus. Snohomish Frink, James Harold, LD. ME. Seattle Friest, Serge I, Unc. EE. Russia Frost, Vernon, LD. LA. Seattle Froude, Chester Wm, LD. Bus. Seattle Froude, Chester Wm, LD. Bus. Seattle Frudenfeld, Mildred Lee. LD. LA. Tacoma
Frayl, L. Richard, L.D. Bus
Frayl, L. Richard, LD. Bus
Frayl, L. Richard, L.D. Bus
Frayir, L. Richard, L.D. Bus. Seattle Frazier, Enid A, UD. LA. Pocatello, Ida Frazier, George Gordon, LD. ME. Seattle Fredund, Reynold, LD. EB. Seattle Frederickson, Esther, Unc, FA. Seattle Free, Alonzo K, UD. ME. Murray Freeburn, Grace S, LD, FA. Seattle Freeman, George W, LD. Sci. Spokane Freeman, Norman L, LD, Min. Vancouver B C Freeman, Vivian Claire, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Alice W, UD. LA. Seattle Frein, Alice W, UD. Ed. Rock Island, Ill Frem, Agnes A, LD. LA. Seattle French, Mrs. Hazel D, Grad Ephrata French, Mrs. Hazel D, Grad Ephrata French, Jasper J, LD For. Spokane French, Mabelle, LD. Bus. Seattle Freudenberg, Vivian, Unc, Bus. Seattle Friedenberg, Vivian, Unc, Bus. Seattle Frieden, Samuel, LD. Bus. Seattle Friese, Frank Henry, LD. Bus. Scattle Friese, Frank Henry, LD. Bus. Scattle Friese, Mrs. Ruth F, LD. LA. Snohomish Friese, Mrs. Ruth F, LD. LA. Snohomish Frink, James Harold, LD. ME. Seattle Frooff, Serge I, Unc. EE. Russia Frost, Vernon, LD. LA. Seattle Froude, Chester Wm, LD. Bus. Seattle Froude, Chester Wm, LD. Bus. Seattle Froude, Chester Wm, LD. Bus. Prosser Fujita, Michinari, Grad. Seattle
Frayl, L. Richard, LD. Bus
Frayir, L. Richard, J.D. Bus
Frayir, L. Richard, L.D. Bus
Frayir, L. Richard, L.D. Bus. Seattle Frazier, Enid A, U.D. LA. Pocatello, Ida Frazier, George Gordon, L.D. ME. Seattle Fredund, Reynold, L.D. EB. Seattle Frederickson, Esther, Unc, FA. Seattle Free, Alonzo K, U.D. ME. Murray Freeburn, Grace S, L.D. FA. Seattle Freeman, George W, L.D. Sci. Spokane Freeman, Norman L, L.D. Min. Vancouver B C Freeman, Norman L, L.D. Min. Vancouver B C Freeman, Vivian Claire, U.D. LA. Seattle Frein, Alice V, U.D. LA. Seattle Frein, Alice V, U.D. LA. Seattle Frein, Alice W, U.D. LA. Seattle Frein, Mrs. Hazel D, Grad Ephrata French, Jasper J, L.D For. Spokane French, Mrs. Hazel D, Grad Ephrata French, Jasper J, L.D For. Spokane French, Mabelle, L.D. Bus. Seattle Freidenberg, Vivian, Unc, Bus. Seattle Freidenberg, Vivian, Unc, Bus. Seattle Friedman, Samuel, L.D. Bus. Seattle Friese, Mrs. Ruth F, L.D. LA. Snohomish Friese, Mrs. Ruth F, L.D. LA. Snohomish Friese, Mrs. Ruth F, L.D. LA. Seattle Fritts, Bessie, L.D FA. Waterville Froude, Chester Wm, L.D. Bus. Seattle Froude, Chester Wm, L.D. Bus. Seattle Frudenfeld, Mildred Lee, L.D. LA. Tacoma Fry, Don William, U.D. Bus. Anacortes Fry, Paul D, U.D. Bus. Prosser Fujita, Michinarl, Grad. Seattle Fulkerson, Reubens P, L.D. Che. Tacoma Fulton, Amaso Eugene, L.D FA. Ellensburg Fulton, Helen Louise, Grad. Seattle Fulter. Let Mildred Tet.
Frayir, L. Richard, LD. Bus. Seattle Frazier, Enid A, UD. LA. Pocatello, Ida Frazier, George Gordon, LD. ME. Seattle Frederickson, Esther, Unc, FA. Seattle Frederickson, Esther, Unc, FA. Seattle Free, Alonzo K, UD. ME. Murray Freeburn, Grace S, LD, FA. Seattle Free, Alonzo K, UD. ME. Murray Freeburn, Grace S, LD, FA. Seattle Freeman, Norman L, LD, Min. Vancouver B C Freeman, Norman L, LD, Min. Vancouver B C Freeman, Vivian Claire, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Agnes A, LD. LA. Seattle Frem, Horace H, UD. Bus. Seattle French, Mrs. Hazel D, Grad Bphrata French, Mapelle, LD. Bus. Seattle French, Mapelle, LD. Bus. Seattle Frendenberg, Vivian, Unc, Bus. Seattle Friberg, Louis W, UD. CE. Seattle Friberg, Louis W, UD. CE. Seattle Friberg, Louis W, UD. CE. Seattle Friese, Frank Henry, LD. Bus. Seattle Friese, Frank Henry, LD. Bus. Seattle Friese, Mrs. Ruth F, LD. LA. Snohomish Friese, Mrs. Ruth F, LD. LA. Snohomish Frink, James Harold, LD. ME. Seattle Froude, Chester Wm, LD. Bus. Ancortes Fry, Paul D, UD. Bus. Prosser Fujita, Michinarl, Grad. Seattle Fulkerson, Reubens P, LD. ChE. Tacoma Fulton, Amaso Eugene, LD. FA. Ellensburg Fulton, Helen Louise, Grad. Seattle Fulton, Louise, Grad
Frayir, L. Richard, L.D. Bus. Seattle Frazier, Enid A, U.D. LA. Pocatello, Ida Frazier, George Gordon, L.D. ME. Seattle Fredund, Reynold, L.D. EB. Seattle Frederickson, Esther, Unc, FA. Seattle Free, Alonzo K, U.D. ME. Murray Freeburn, Grace S, L.D. FA. Seattle Freeman, George W, L.D. Sci. Spokane Freeman, Norman L, L.D. Min. Vancouver B C Freeman, Vivian Claire, U.D. LA. Seattle Frein, Alice V, U.D. LA. Seattle Frein, Alice V, U.D. LA. Seattle Frein, Alice V, U.D. LA. Seattle Frein, Alice W, U.D. Ed. Rock Island, III Frem, Agnes A, L.D. LA. Seattle French, Mrs. Hazel D, Grad Ephrata French, Mrs. Hazel D, Grad Ephrata French, Mapelle, L.D. Bus. Seattle French, Mapelle, L.D. Bus. Seattle Frendenberg, Vivian, Unc, Bus. Seattle Friberg, Louis W, U.D. CE. Seattle Friberg, Louis W, U.D. CE. Seattle Friese, Frank Henry, L.D. Bus. Sohomish Frink, James Harold, L.D. Bus. Seattle Friese, Frank Henry, L.D. Bus. Seattle Fricts, Bessic, L.D. FA. Waterville Fronde, Chester Wm, L.D. Bus. Seattle Frudenfeld, Mildred Lee. L.D. LA. Tacoma Fry, Don William, U.D. Bus. Prosser Fujita, Michinari, Grad. Seattle Fulton, Amaso Eugene, L.D. FA. Asolin Fulton, Rev Herman, L.D. CE. Centralia
Frayir, L. Richard, LD. Bus
Frayir, L. Richard, L.D. Bus. Seattle Frazier, Enid A, UD. LA. Pocatello, Ida Frazier, George Gordon, L.D. ME. Seattle Fredund, Reynold, L.D. EB. Seattle Frederickson, Esther, Unc, FA. Seattle Free, Alonzo K, UD. ME. Murray Freeburn, Grace S, L.D. FA. Seattle Freeman, George W, L.D. Sci. Spokane Freeman, Norman L, L.D. Min. Vancouver B C Freeman, Norman L, L.D. Min. Vancouver B C Freeman, Vivian Claire, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Alice V, UD. Ed. Rock Island, III Frem, Agnes A, L.D. LA. Seattle French, Mrs. Hazel D, Grad Ephrata French, Mrs. Hazel D, Grad Ephrata French, Jasper J, L.D For. Spokane French, Mabelle, L.D. Bus. Seattle Frendenberg, Vivian, Unc, Bus. Seattle Friberg, Louis W, UD. CE. Seattle Friberg, Louis W, UD. CE. Seattle Friese, Frank Henry, L.D. Bus. Scattle Friese, Frank Henry, L.D. Bus. Scattle Friese, Frank Henry, L.D. Bus. Scattle Frits, James Harold, L.D. ME. Seattle Fronde, Chester Wm, L.D. Bus. Seattle Fronde, Chester Wm, L.D. Bus. Seattle Fronde, Chester Wm, L.D. Bus. Anacortes Fry, Paul D, UD. Bus. Prosser Fujita, Michinarl, Grad. Seattle Fullerson, Reubens P, L.D. ChE. Tacoma Fulton, Amaso Eugene, L.D. FA. Ellensburg Fulton, Helen Louise, Grad. Seattle Fulton, Lois Mildred, UD. FA. Asotin Fulton, Rex Herman, L.D. CE. Centralia **Fulton, Exattle Frunkty Erank K L.D. EEC. Seattle Fruitz, Gerald B, L.D. Sci Crothersville, Ind
Frayir, L. Richard, LD. Bus
Frayir, L. Richard, LD. Bus. Seattle Frazier, Enid A, UD. LA. Pocatello, Ida Frazier, George Gordon, LD. ME. Seattle Fredund, Reynold, LD. EB. Seattle Frederickson, Esther, Unc, FA. Seattle Free, Alonzo K, UD. ME. Murray Freeburn, Grace S, LD, FA. Seattle Freeman, George W, LD. Sci. Spokane Freeman, Norman L, LD, Min. Vancouver B C Freeman, Norman L, LD, Min. Vancouver B C Freeman, Vivian Claire, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Alice V, UD. LA. Seattle Frein, Alice V, UD. Ed. Rock Island, III Frem, Agnes A, LD. LA. Seattle French, Mrs. Hazel D, Grad Ephrata French, Mrs. Hazel D, Grad Ephrata French, Mapelle, LD. Bus. Seattle French, Mapelle, LD. Bus. Seattle Frenchenberg, Vivian, Unc, Bus. Seattle Friberg, Louis W, UD. CE. Seattle Friberg, Louis W, UD. CE. Seattle Friese, Frank Henry, LD. Bus. Schomish Frink, James Harold, LD. Bus. Scattle Friese, Frank Henry, LD. Bus. Schomish Frink, James Harold, LD. ME. Seattle Froude, Chester Wm, LD. Bus. Seattle Froude, Chester Wm, LD. Bus. Seattle Froude, Chester Wm, LD. Bus. Anacortes Fry, Paul D, UD. Bus. Seattle Fuller, Michinarl, Grad. Seattle Fuller, Melen Louise, Grad. Seattle Fulton, Amaso Eugene, LD. FA. Ellensburg Fulton, Helen Louise, Grad. Seattle Fult, Edgar N, Unc Lew. Seattle Fu
Forsythe, Eisle N, LD, FA

Furey, Th	eta, LD	, LA		Seattle
Ferguson,	Paul,	LD. L	٠	Sumner
				Seattle
				Seattle
				Seattle

Gaa, Jose, LD. Bus
Gabrielson, W. Carl, LD, BusPuyallup
Galbraith, Harriet, LD, Sci E, Burnaby, B C
Galbraith, Mary, LD. Sci N Westminster B C
Gale, Ralph E, UD. EESeattle
Gallagher, James O. IID. L.A Seattle
Galligan, Glendon, UD. SciEverett
Galvez, Pedro R, LA, EdPhilippines
Gamble Mary Louise LD Rus Vakima
Gampp, Irene C, LD. PharSeattle
Ganders, James Joseph, UD. SciSeattle
Garders, Mary L, UD. LASeattle
Garber, Erie O. LD. BusCheney
Gardineer, Marian, LD. LASeattle
Gardner, Albert W, LD. METacoma
Gardner, Thad D. SpecBothell
**Garin, Rene G, Sp, ForSeattle
Garland, Cathren, LD. FASeattle
Garner, Helen, LD, LA
Garred, Ward K, LD. BusCoulee City
Garretson, Helen, LD. LAYakima
Garrison, Rupert, LD. MinSeattle
Gaston, Dorothy Ruth, LD. PharSeattle
Gatewood, Joseph S, UD. CE Seattle
Gauger, Herbert A, LD. BusEdwall
Geer. Bernice Lura. UD. Sci Seattle
Geisness, Evelyn, LD. LAPt. Angeles
Gellatly, Bernice, UD. FAWenatchee
Gellerman, Mrs. Mildred P. IID. LASeattle
**Gellerman, William, GradSeattle
Gemmel, Genevieve, LD. FASeattle
George, Robert Lynn, LD For Rismarck, N D
Geoghegan, J. Herbert, UD, LASeattle
Gerbel, Arthur R, T, Jr. LD. BusSeattle
Geri Helen I.D FA Rellingham
German, Cornelio, Unc, EEPhilippines
Gernaey, Louise, UD. LASeattle
Gerow, Douglas R, LD, EdChinook
Gerriets, Eva A. UD. LAMt Vernon
Ghiselin, Alexander D, LD. SciSpokane
"Ghiselin, Marjorie A, Nur Spokane
Gibney, Margaret Lucile, LD. FA Seattle
Gibson, Mildred F, LD, FA. Waterloo, In
Gibson, Russell G, LD. Bus. Crystal Springs
Gibson, Stonley D. LD. Sci Davenport
Giddens, Raymond, LD. EE Seattle
Gidson, Mrs. Mildred, LD. LA Seattle
Giesey, Huldamay, LD. LAMenlo
Gilbert, Horace N, LD. LAYakima
Gilbert, Katharine E, LD. FASeattle
Gilbert, Margery, UD. LAAstoria. Or.
Gilbreath, Donald, LD. BusSeattle
Giles, James E, Unc, LAPt. Angeles
Gilhams, Helen Maud, LD. Ed Sturgia Mich
Gambie Elisabeth, LD. FA. Seattle Gamble, Mary Louise, LD. Bus. Yakima Gampp, Irene C, LD. Phar. Seattle Ganders, James Joseph, UD. Sci. Seattle Ganders, Mary L, UD. LA. Seattle Garber, Ruth. Seattle Garder, Albert W, LD. ME. Seattle Gardner, Albert W, LD. ME. Tacoma Gardner, Harold A, LD. EE. Seattle Gardner, Thad D, Spec. Bothell **Garin, Rene G, Sp. For. Seattle Garland, Cathren, LD. FA. Seattle Garnan, G. W. LD, EE. Seattle Garnan, G. W. LD, EE. Seattle Garrer, Helen, LD. LA. Omak Garred, Ward K, LD. Bus. Coulee City Garretson, Helen, LD. LA. Yakima Garrison, Rupert, LD. Min. Seattle Gaston, Dorothy Ruth, LD. Phar. Seattle Gaston, Dorothy Ruth, LD. Phar. Seattle Gaston, Dorothy Ruth, LD. Bus. Edwall Gaerheard, Reginald F, LD. Bus. Bdwall Gearheard, Reginald F, LD. Bus. Seattle Gellerman, Louis W, UD. LA. Seattle Gellerman, Louis W, UD. LA. Seattle Gellerman, Mrs. Mildred P, UD, LA. Seattle Gellerman, Mrs. Mildred P, UD, LA. Seattle Geomhel, Genevieve, LD. FA. Seattle Georheard, Noella A, LD. Ed. Seattle Gerber, Leonard, LD. FA. Bellingham German, Cornello, Unc, EE. Philippines Gernley, Louisc, UD. LA. Seattle Gerber, Eugane L, UD. EE. Seattle Gerber, Eugane L, UD. EE. Seattle Gerber, Bara A UD. LA Mt Vernon Ghiselin, Marjorie A, Nur. Spokane Gilbson, Midred F, LD, FA. Seattle Gibson, Midred F, LD, FA. Seattle Gibson, Midred F, LD. FA. Seattle Gibson, Frederick O, LD. Che. Davenport Giddens, Raymond, LD. EE. Seattle Gibson, Midred F, LD. EA. Seattle Gibson, Frederick O, LD. Che. Davenport Giddon, Margaret Lucile, LD. FA. Seattle Gibson, Frederick O, LD. Che. Davenport Giddon, Margaret Lucile, LD. FA. Seattle Gibson, Midred F, LD. Ed. Seattle Gibson, Frederick O,
**Gillespie, James D, UD. Bus Missoula Mont

Cillman Whol I.D T.A . Snokene
Gillman, Ether, MD. MA
Gilman, Ethel, LD. LASpekane Gilmore, Constance M, LD. LASeattle
Gilmore, John Wayne, LD. LASeattle
All
Glimore, G Hortense, LD. LASeattle
Gumore, R. June, LD. FA
Cinggish Poorl I.D. I.A. Olympia
Gittelsohn Jacob IID LA Savennah Ga
Gitzen, Walter H. UD. ChESeattle
Gius, Herman, LD. BusSeattle
Givens, Arden, LD. BusChehalis
Glascock, Susu, LD. EdWaterville
Glass, James MacNab, LD, Sci Seattle
Gleggon Dichard F I.D. J.A. Monterone
Gleed, Thomas F. LD. Rus Ronners Ferry Ida
Gleeson, Frank P. UD. BusSeattle
Glen, Philip Irving, LD. LA Seattle
Glenn, Harry C, LD. LAElma
Glenn, Wesley S, LD. LASeattle
Clover Markette TD Fit
Glover Sholden Lette Gred Scottle
Glynn, William B. LD. FA Seattle
Goff, Benjamin Neville, LD, Bus Seattle
Goggin, Marguerite, LD. FASeattle
Goldman, Erwin F, LD. BusSeattle
Goldman, Jack, GradSeattle
Goldstein, Marie, LD. LAJuneau Alaska
Good Herold H LD Bre Mt Verson
Goodglick, Samson, LD, Sci Seattle
Goodrich, Forest, GradSeattle
Goodrich, Hobert R, LD. Min Pt. Townsend
Goodrick, Ralph E, UD. ChEBellingham
Goodwin, Frank S. LD. LA Seattle
Goodwin, Katoryn, LD. LASeattle
Goodwin, Louise, L.D. L.A Seattle
Goodwin, Olive, UD. FAPt. Angeles
Goold, Clarissa L, UD. LibTacoma
Goold, Clarissa L, UD. LibTacoma Goold, Howard Ralph, GradSeattle
Goold, Clarissa L, UD. LibTacoma Goold, Howard Ralph, GradSeattle Goon, Henry F, LD, BusPortland, Or
Goold, Clarissa L. UD. Lib
Goold, Clarissa L. UD. Lib
Goold, Ciarissa L, UD. Lib
Goold, Ciarissa L. UD. Lib
Goold, Ciarissa L, UD. Lib
Goold, Ciarissa L. UD. Lib
Goold, Ciarissa L, UD. Lib
Goold, Ciarissa L. UD. Lib
Gilmore, G. Hortense, L.D. LA. Seattle *Gilmore, R. June, L.D. FA. Seattle *Gilpatrick, Frankie H, Bus Seattle Gingrich, Pearl, L.D. LA. Olympia Gittelsohn, Jacob, U.D. LA. Savannah, Ga Gitzen, Walter H, U.D. ChE Seattle Givens, Arden, L.D. Bus Seattle Givens, Arden, L.D. Bus Chehalis Glascock, Susu, L.D. Ed. Waterville Glass, James MacNab, L.D. Sci Seattle Glass, John Francls, L.D. Sci Seattle Gleason, Richard F, L.D. LA. Montesano Gleed, Thomas F, L.D. Bus Bonners Ferry Ida Gleeson, Frank P, U.D. Bus Seattle Glen, Philip Irving, L.D. LA. Seattle Glen, Harry C, L.D. LA. Seattle Glover, Marguerite, L.D. FA. Seattle Glover, Marguerite, L.D. FA. Seattle Glover, Marguerite, L.D. FA. Seattle Goff, Benjamin Neville, L.D. Bus Seattle Goff, Benjamin Neville, L.D. Bus Seattle Godfman, Jack, Grad. Seattle Goldman, Jack, Grad. Seattle Goodrick, Ralph E, U.D. LA. Seattle Goodrick, Ralph E, U.D. ChE. Seattle Goodrick, Ralph E, U.D. ChE. Seattle Goodrick, Ralph E, U.D. LA. Seattle Goodwin, Lang M, L.D. Bus Freewater, Or Goodwin, Louise, L.D. LA. Seattle Goodvin, Louise, L.D. LA. Seattle Goodvin, Louise, L.D. LA. Seattle Goodvin, Louise, L.D. LA. Seattle Goodwin, Louise, L.D. LA. Seattle Goodwin, Louise, L.D. LA. Seattle Goodron, John Leon, L.D. Bus Freewater, Or Goodwin, Louise, L.D. LA. Seattle Gorbovitzky, Maurice, L.D. EE Seattle Gorbovitzky, May, L.D. LA. Seattle Gorbovitzky, May, L.D. LA. Seattle Gorbovitzky, May, L.D. LA. Seattle Gordon, Johanna M, U.D. LA. Seattle Graham, Carroll K, L.D. Sci. Seattle Graham, Edenor E, L.D. La. Seattle Graham, Carroll K, L.D. Sci. Seattle Graham, Carroll K,

Greig, Bilzabeth, UD. Ed. Tacoma Growell, Dean M, Unc, Bus. Joliet, Mont Griffin, DeWitt C, LD, FA. Seattle **Griffin, Ross A, Min. Riverside Griffith, Chas, H, Sci. Bremerton **Griffith, Chas, H, Sci. Bremerton **Griffith, Chas, H, Sci. Bremerton **Griffith, Ross A, Sp. Min. Riverside Griffith, William, Grad. Seattle Griffiths, Lois Wilfred, Grad. Seattle Griffiths, Elsa Churchill, UD, LA. Seattle Griffiths, Elsa Churchill, UD, LA. Seattle Grimes, Margaret P, UD, LA. Tacoma Grisim, Elizabeth, UD, Sci. Auburn Groat, Mrs. Elva Belle, Grad. Seattle Grogan, William W, LD. For. Seattle Grossen, Matilda F, UD. LA. Hillisboro, Or Groth, Joyce Irene, UD, LA. Seattle Grossen, Matilda F, UD. LA. Hillisboro, Or Groth, Joyce Irene, UD, LA. Seattle Grueberg, Fred P, Unc, Bus. Seattle Grueberg, Fred P, Unc, Bus. Seattle Guerin, Harriet, UD, Sci. Seattle Guerin, Miller Seattle Guerin, Miller Seattle Guilford, Madeline, LD. LA. Westport Guilfixon, Albert C, LD. ME Seattle Guilford, Madeline, LD. LA. Seattle Gundlach, Ralph H, LD. LA. Seattle Gundlach, Ralph H, LD. LA. Seattle Gundlach, Alter, LD. Ed. Seattle Gundlach, Alter, LD. Phar. Cosmopolis Gustafson, Marie, LD. Phar. Cosmopolis Gustafson, Walter T, UD, EE. Seattle Guthrie, Catherine M, LD. LA. Yakima Guthrie, Iris B, LD. LA Twin Falls, Ida Gutmann, Addis, LD. Bus. Seattle Gwynn, William, LD. Els. Seattle Gwynn, William, LD. Bus. Bellingham Gyde, Sally Reeves, UD. LA. Wallace, Lda

Hehl Lydia A LD Phar
Hahn, Carl A, UD. MESeattle
Haiman, Lewis R. LD. CE Lakebay
Haima Munon R T.D T.A Scottle
Transport of The Transport of The Transport of Transport
Haines, Fred S, UD. ME Battle Ground
Haire, T L. Unc. EESeattle
Halberstadt, Elizabeth H Seattle
Hala Fotle William I.D. Bug Brickleton
Tale, hote william, and husbitchicon
Hale, Harry, UD. Casseatue
Hale, Oron J. LD. LABrickleton
Hale, Ruth Elinor, LD, LA Seattle
Well Carrell I ID Rug Winelow
Hall, Carlott J, III. Dus
Hall, Dessie Alice, UD. FA Seattle
**Hall, Edward B. LD. LASeattle
**Hell Edward Everett Tine T.A. Sestile
TT-11 Minus Manual TID Chill Contill
Hall, Thomas Edward, UD, Che Seatus
Hall, Esther Shelton, LD. LA Indianoia Beach
Hall, O Ingalla Jr. LD, CEScattle
Hall Inlia Mariania LD LA Fairfar
Title, Julia Marjoile, Mr. Marrian
Hall, Raiph Daniel, LD. BusSeattle
Hall, Robert C. LD. LAMontesano
**Hell Roy Jennings Olympia
Tall Descall C TD Des South
Hill, Russell G, LD. Dus
Hall, Vernon K, UD. Sci Vancouver B U
Hall, Vesper Trevor, LD. EdSeattle
Hell Wayne Lee IID Rug Snokane
T-11-44 T-1- T-1- TD 300 Contile
Hullett' John roms' The wrgpearing
Hallgren, Howard L, LD. BusSeattle
Halloway, A Cecil, LD, LASenttle
Wallawell Lional W UD Rug Scattle
Hallowell, Mollet E, UD. Bus
Hallstrom, Irving T, LD. CE Seattle
Halverson, Carl E. LD. BusAnatone
Halvergon, Clarence B. Unc. Phar Custer
AATIelwaren Edwin O T.D Bro Creter
Harverson, Edwin O, III. DusOuster
Halverson, Heimar M, LD. BusCuster
Halverson, Florence, LD. SciSeattle
Hambleton Edith LD. LA
Transplant Companies D. T.D. Thomas Continue
Hamerly, Daurence R, 11D, Mag Scattle
Hamilton, Edna V, LD. SciTacoma
Hamlin, Phyllis Kathryn, UD. LASeattle
Hamm Cherles H LD Ed. Seattle
Hamm, Charles H, LD. EdSeattle
Hamm, Charles H, LD. EdSeattle Hamm, George R, Unc. BusPuyallup
Hamm, Charles H, LD. EdSeattle Hamm, George R, Unc. BusPuyallup Hammack, James R, LD. BusSeattle
Hamm, Charles H, LD. EdSeattle Hamm, George R, Unc. BusPuyallup Hammack, James R, LD. BusSeattle Hammer. Joyce. UD. LASedro Woolley
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlip Roy N. LD. Bay
Hamm, Charles H, LD. EdSeattle Hamm, George R, Unc. BusSeattle Hammack, James R, LD. BusSeattle Hammer, Joyce, UD. LASedro Woolley Hammerlin, Roy N, LD, BusTacoma
Hamm, Charles H, LD. Ed Seattle Hamm, George R, Unc. Bus Puyallup Hammack, James R, LD. Bus Seattle Hammer, Joyce, UD. LA Sedro Woolley Hammerlin, Roy N, LD, Bus
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton. Robert W. Eng. Seattle
Hamm, Charles H. L.D. Ed. Seattle Hamm, George R. Unc. Bus. Puyallup Hammack, James R. L.D. Bus. Seattle Hammer, Joyce, U.D. L.A. Sedro Woolley Hammerlin, Roy N. L.D. Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, L.D. L.A. Tacoma **Hampton, Robert W. Eng. Seattle Handloy Iowes W. U.D. Bus Hagelwood
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W, Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Boy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W, Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Chung (Jone, Lincoln) Unc LA. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Boy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanter, Wobel V, Sn. Sel. Tacoma
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W, Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanlify, Mabel V, Sp. Sci. Tacoma
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Boy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanify, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD, LA. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W, Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD. Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanlty, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Myron Victor UD, Bus. Spokane
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanify, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Myron Victor UD, Bus. Spokane Hanley, V, Myron, LD. Bus. Spokane
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampton, Fred E, LD. LA. Tacoma **Hampton, Robert W, Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanlity, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Myron Victor UD, Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanne, Helen Dr. Bus. Spokane
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Boy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanify, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Myron Victor UD, Bus. Spokane Hanne, Helen, Unc. Bus. Spokane Hanne, Helen, Unc. Bus. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W, Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD. Eng. Wickersham Haner, Chung (Jone, Lincoln) Unc LA. Seattle Hanity, Mabel V, Sp. Sei. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Myron Victor UD, Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hanna, Helen, Unc. Bus. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanify, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Myron Victor UD, Bus. Spokane Hanna, Helen, Unc. Bus. Seattle Hanna, Helen, Unc. Bus. Seattle Hanna, Mrs. Idella M. UD. LA. Edmonds Hannum, Clair A, Unc. Sci. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W, Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD. Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanlity, Mabel V, Sp. Sel. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, V. Myron, LD. Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hanna, Mrs. Idella M. UD. LA. Edmonds Hannan, Mrs. Idella M. UD. LA. Edmonds Hannan, Mrs. Idella M. UD. LA. Seattle Hansen, Hannah A, LD. Bus. Tacoma
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanlify, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Myron Victor UD, Bus. Spokane Hanna, Mrs. Idella M. UD. LA. Edmonds Hanna, Helen, Unc. Bus. Seattle Hannan, Mrs. Idella M. UD. LA. Seattle Hannan, Mrs. Idella M. UD. Sci. Seattle Hannan Hanrer F ID. Bus. Seattle Hannan Harrer F ID. Bus. Seattle Hannan Harrer F ID. Bus. Seattle Seattle Hannan Harrer F ID. Bus. Seattle Seattle Hannan Harrer F ID. Sus. Seattle Seattle Hannan Harrer F ID. Sus. Seattle Seattle Seattle Seattle Hannan Harrer F ID. Sus. Seattle Seattle Seattle Seattle Seattle Hannan Harrer F ID. Sus. Seattle Seattle Seattle Seattle Seattle Seattle Seattle Seattle Hannan Harrer F ID. Sus. Seattle Seattle Seattle Seattle Seattle Seattle Seattle Hannan Harrer F ID. Sus. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanlity, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, V. Myrcn, LD. Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hanna, Mrs. Idella M, UD. LA. Edmonds Hannum, Clair A, Unc. Sci. Seattle Hansen, Harry F, UD. Bus. Seattle Land Seattle Manner Marry F, UD. Bus. Marr
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanlify, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Myron Victor UD, Bus. Spokane Hanna, Helen, Unc. Bus. Seattle Hanna, Mrs. Idella M. UD. LA. Edmonds Hannan, Holen, Long Bus. Seattle Hansen, Hannah A, LD. Bus. Tacoma Hansen, Hannah A, LD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanlify, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Wyron Victor UD, Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hanna, Helen, Unc. Bus. Seattle Hansen, Mrs. Idella M, UD. LA. Edmonds Hannum, Clair A, Unc. Sci. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Reese Detlef, LD. CE. Spokane
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanlify, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Myron Victor UD, Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hanna, Helen, Unc. Bus. Seattle Hanna, Mrs. Idella M. UD. LA. Edmonds Hannan, Haller, V. Myron, LD. Bus. Seattle Hannan, Mrs. Idella M. UD. LA. Seattle Hannan, Mrs. Idella M. UD. LA. Seattle Hansen, Hanry F, UD. Bus. Seattle Hansen, Hanry F, UD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Reese Detlef, LD. CE. Spokane
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seatrle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanlity, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Wyron Victor UD, Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hanna, Helen, Unc. Bus. Seattle Hansen, Hannah A, LD. Bus. Tacoma Hansen, Harry F, UD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Reese Detlef, LD. CE. Spokane **Hansen, Thorwald A, LD. CE. Snohomish Hansen, Vola Grad. Seattle Hansen, Magnus G, Grad. Seattle Hansen, Magnus Reese Detlef, LD. CE. Spokane Seattle Hansen, Magnus G, Grad. Seattle Hansen, Magnus S, F. Seattle Hansen, Magnus S, F. Seattle Hansen, Magnus S, Seattle Han
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Seattle Hanlis, Mayton Victor UD, Bus. Spokane Hanley, Myron Victor UD, Bus. Spokane Hanley, Myron Victor UD, Bus. Spokane Hanna, Helen, Unc. Bus. Seattle Hanna, Mrs. Idella M. UD. LA. Edmonds Hannan, Harry F, UD. Bus. Tacoma Hansen, Hannah A, LD. Bus. Tacoma Hansen, Harry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Reese Detlef, LD. CE. Spokane **Hansen, Thorwald A, LD. CE. Snokomish Hansen, Viola, Grad. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seatro Hammerilin, Roy N, LD, Bus. Tacoma Hammond, Alien O, Grad. Seattle Hammond, Alien O, Grad. Seattle Hampton, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanlity, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Wyron Victor UD, Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hanna, Helen, Unc. Sci. Seattle Hansen, Hannah A, LD, Bus. Tacoma Hansen, Harry F, UD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Reese Detlef, LD. CE. Spokane **Hansen, Thorwald A, LD. CE. Snohomish Hansen, Vola, Grad. Seattle Hansen, Alice Cable, LD. LA. Seattle Hansen, Alice Cable, LD. LA. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Seattle Hanify, Mabel V, Sp. Sci. Tacoma Hanley, Myron Victor UD, Bus. Spokane Hanley, Myron Victor UD, Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanna, Helen, Unc. Bus. Seattle Hanna, Mrs. Idella M. UD. LA. Edmonds Hannan, Hallen, LD. Bus. Tacoma Hansen, Hanry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Reese Detlef, LD. CE. Spokune **Hansen, Thorwald A, LD. CE. Spokune **Hansen, Thorwald A, LD. CE. Spokune **Hansen, Thorwald A, ED. CE. Spokune **Hansen, Thorwald A, E
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seatro Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanlity, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Wyron Victor UD, Bus. Spokane Hanley, Wyron Victor UD, Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hanna, Helen, Unc. Bus. Seattle Hansen, Hannah A, LD, Bus. Seattle Hansen, Harry F, UD, Bus. Seattle Hansen, Harry F, UD, Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Magnus S, F. Juneau, Alaska Hansen, Magnus C, Grad. Seattle Hansen, Alice Cable, LD. LA. Seattle Hanson, Alice Cable, LD. LA. Seattle Hanson, Alice Cable, LD. LA. Seattle Hanson, Esther A, UD, LA. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Seattle Hanify, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanify, Myron Victor UD, Bus. Spokane Hanne, Yolven, LD. Bus. Spokane Hanne, Tompon, LD. Bus. Spokane Hanne, Helen, Unc. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Reese Detlef, LD. CE. Spokune **Hansen, Thorwald A, LD. CE. Sp
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seato Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Alien O, Grad. Seattle Hammond, Alien O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanlify, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Wyron Victor UD, Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hannan, Clair A, Unc. Sci. Seattle Hansen, Hannah A, LD. Bus. Tacoma Hansen, Harry F, UD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Reese Detlef, LD. CE. Spokane **Hansen, Thorwald A, LD. CE. Snohomish Hansen, Viola, Grad. Seattle Hanson, Alice Cable, LD. LA. Seattle Hanson, Esther A, UD, LA. Seattle Hanson, Henry Ernest, LD. EE. Seattle Hanson, Marlon Fay, III. Bus. Seattle Hanson, Marlon Fay, III. Bus. Seattle Hanson, Marlon Fay, III. Bus. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Seattle Hanify, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanify, Myron Victor UD, Bus. Spokane Hanley, Myron Victor UD, Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hanna, Helen, Unc. Bus. Seattle Hansen, Hanry F, UD. Bus. Seattle Hansen, Hanry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Reese Detlef, LD. CE. Spokune **Hansen, Thorwald A, LD.
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seato Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W. LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Hang, Chung (Jone, Lincoln) Unc LA. Seattle Hanlify, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Wyron Victor UD, Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanna, Helen, Unc. Bus. Seattle Hannan, Clair A, Unc. Sci. Seattle Hansen, Hannah A, LD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Reese Dettef, LD. CE. Spokane **Hansen, Thorwald A, LD. CE. Snohomish Hansen, Viola, Grad. Seattle Hanson, Alice Cable, LD. LA. Seattle Hanson, Esther A, UD, LA. Seattle Hanson, Esther A, UD, LE. Seattle Hanson, Marlon Fay, UD. Bus. Seattle Hanson, Russell Martin, LD. Bus. Bellingham
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Seattle Hanify, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanify, Myron Victor UD, Bus. Spokane Hanne, You Myron, LD. Bus. Spokane Hanne, To. Bus. Seattle Hansen, Helen, Unc. Bus. Seattle Hanns, Mrs. Idella M. UD. LA. Edmonds Hannen, Harry F, UD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Reese Detlef, LD. CE. Spokane **Hansen, Thorwald A, LD. CE. Spokane **Hansen, Thorwald A, LD. CE. Spokane Hansen, Bonnie, LD. Bus. Seattle Hanson, Alice Cable, LD. LA. Seattle Hanson, Esther A, UD, LA. Seattle Hanson, Marion Fay, UD. Bus. Seattle Hanson, Marion Fay, UD. Bus. Seattle Hanson, Marion Fay, UD. Bus. Seattle Hanson, Russell Martin, LD. Bus. Bellingham Harada, Matsutaro, UD. LA. Japan
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seato Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W. LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Victor U, Eng. Wickersham Haner, Victor U, Eng. Wickersham Haner, Victor UD, Eng. Spokane Hankinson, Helen A, LD. LA. Seattle Hanley, Myron Victor UD, Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hannan, Helen, Unc. Bus. Seattle Hannan, Clair A, Unc. Sci. Seattle Hansen, Hannah A, LD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Reese Dettef, LD. CE. Spokane **Hansen, Thorwald A, LD. CE. Snohomish Hansen, Viola, Grad. Seattle Hanson, Alice Cable, LD. LA. Seattle Hanson, Bonnle, LD. Bus. Seattle Hanson, Henry Ernest, LD. EE. Seattle Hanson, Marion Fay, UD. Bus. Seattle Hanson, Marion Fay, UD. Bus. Seattle Hanson, Marion Fay, UD. Bus. Seattle Hanson, Russell Martin, LD. Bus. Bellingham Hardad, Matsudaro, UD. LA. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Seattle Hanify, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanify, Myron Victor UD, Bus. Spokane Hanley, Myron Victor UD, Bus. Spokane Hanna, Mrs. Idella M. UD. LA. Edmonds Hanna, Helen, Unc. Bus. Seattle Hansen, Hanry F, UD. Bus. Seattle Hansen, Hanry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Reese Detlef, LD. CE. Spokune **Hansen, Thorwald A, LD. CE. Spokune **Hansen, Thorwald A, LD. CE. Spokune **Hansen, Thorwald A, LD. CE. Spokune Hanson, Alice Cable, LD. LA. Seattle Hanson, Marlon Fay, UD. Bus. Seattle Hanson, Russell Martin, LD. Bus Bellingham Harada, Matsularo, UD. LA. Seattle Harderr, Russells UD. LA. Seattle Harderr, Russells UD. LA. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seato Woolley Hammerin, Boyce, UD. LA. Sedro Woolley Hammerilin, Roy N, LD, Bus. Tacoma Hammond, Alien O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma **Hampton, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W. LD, Eng. Wickersham Haner, Victor C, LD. Eng. Wickersham Haner, Victor C, LD. Eng. Wickersham Haner, Victor V, Sp. Sei. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Wyron Victor UD, Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hanna, Helen, Unc. Bus. Seattle Hansen, Hannah A, LD. Bus. Tacoma Mansen, Harry F, UD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Thorwald A, LD. CE. Spokane **Hansen, Thorwald A, LD. CE. Spokane Bonle, LD. Bus. Seattle Hanson, Alice Cable, LD. LA. Seattle Hanson, Bonnie, LD. Bus. Seattle Hanson, Henry Ernest, LD. EE. Seattle Hanson, Marion Fay, UD. Bus. Seattle Hanson, Marion Fay, UD. Bus. Seattle Hanson, Russell Martin, LD. Bus. Seattle Handeman, Russella. UD. LA. Seattle Hardeman, Russella. UD. LA. Seattle Hardeman Russella. UD. LA. Seattle Hardeman Russella. UD. LA. Se
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampton, Fred E, LD. LA. Tacoma **Hampton, Robert W, Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD. Eng. Wickersham Haner, Victor C, LD. Eng. Wickersham Haner, Victor C, LD. Eng. Wickersham Hanier, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Myron Victor UD, Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanne, Helen, Unc. Bus. Spokane Hanna, Mrs. Idella M. UD. LA. Edmonds Hannan, Mrs. Idella M. UD. LA. Edmonds Hannen, Harry F, UD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Reese Detlef, LD. CE. Spokane **Hansen, Thorwald A, LD. CE. Snohomish Hansen, Viola, Grad. Seattle Hanson, Alice Cable, LD. LA. Seattle Hanson, Esther A, UD, LA. Seattle Hanson, Russell Martin, LD. Bus. Seattle Harbert, Robert William, Spec. Seattle Hardeman, Russella, UD. LA. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seato Woolley Hammerlio, Roy N, LD, Bus. Tacoma Seato Woolley Hammerlion, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W. LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Victor V, Sp. Sei. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Wyron Victor UD, Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanna, Helen, Unc. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Hannah A, LD. Bus. Tacoma Hansen, Harry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Thorwald A, LD. CE. Spokane Seattle Hanson, Alice Cable, LD. LA. Seattle Hanson, Alice Cable, LD. LA. Seattle Hanson, Marlon Fay, UD. Bus. Seattle Hanson, Marlon Fay, UD. Bus. Seattle Hanson, Marlon Fay, UD. Bus. Seattle Hanson, Russell Martin, LD. Bus. Seattle Hanson, Russell Martin, LD. Bus. Seattle Hanson, Russell Martin, LD. Bus. Seattle Harden, Donald, LD. Bus. Seattle Harden, Donald, LD. Bus. Mt Vernon Hardling, Betty I, UD. FA. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampton, Fred E, LD. LA. Tacoma **Hampton, Robert W, Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD. Eng. Wickersham Haner, Victor C, LD. Eng. Wickersham Haner, Chung (Jone, Lincoln) Unc LA. Seattle Hanitry, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Myron Victor UD, Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hanna, Mrs. Idella M. UD. LA. Edmonds Hannan, Mrs. Idella M. UD. LA. Edmonds Hansen, Harry F, UD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Reese Detlef, LD. CE. Spokane **Hansen, Thorwald A, LD. CE. Snohomish Hansen, Viola, Grad. Seattle Hanson, Esther A, UD, LA. Seattle Hanson, Esther A, UD, LA. Seattle Hanson, Russell Martin, LD. Bus. Seattle Handeman, Russella UD. LA. Seattle Hardeman, Russella UD. LA. Seattle Harden, Donald, LD. Bus. Mt Vernon Harding, Betty I, UD, FA. Seattle Harding, Betty I, UD, FA. Seattle Harding, Betty I, UD, FA. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seato Woolley Hammerlio, Roy N, LD, Bus. Tacoma Seatole Hammerlio, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma Seattle Hampson, Fred E, LD. LA. Tacoma Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Victor UD, Eng. Seattle Hanlify, Mabel V, Sp. Sei. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Wyron Victor UD, Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanna, Helen, Unc. Bus. Seattle Hansen, Harlor, LD, Bus. Seattle Hansen, Hannah A, LD. Bus. Tacoma Hansen, Harry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Thorwald A, LD. CE. Spokane Seattle Hanson, Alice Cable, LD. LA. Seattle Hanson, Alice Cable, LD. LA. Seattle Hanson, Henry Ernest, LD. EE. Seattle Hanson, Russell Martin, LD. Bus. Seattle Harden, Donald, LD. Bus. Seattle Harden, Donald, LD. Bus. Seattle Harden, Donald, LD. Bus. Mat Vernon Hardwick, Ciliford E, LD, Sci. Pinehurst Harkners, A Erwin, LD. Bus. Seattle Hardwick, Ciliford E, LD, Sci. Pinehurst Harkners, A Erwin, LD. Bus. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seattle Hammer, Joyce, UD. LA. Sedro Woolley Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampton, Fred E, LD. LA. Tacoma **Hampton, Robert W, Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W, LD, Eng. Wickersham Haner, Victor C, LD. Eng. Wickersham Haner, Victor C, LD. Eng. Wickersham Haner, Chung (Jone, Lincoln) Unc LA. Seattle Hanitry, Mabel V, Sp. Sci. Tacoma Hankinson, Helen A, LD. LA. Seattle Hanley, Wyron Victor UD, Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanna, Helen, Unc. Bus. Spokane Hanna, Mrs. Idella M. UD. LA. Edmonds Hannan, Mrs. Idella M. UD. LA. Edmonds Hansen, Harry F, UD. Bus. Seattle Hansen, Harry F, UD. Bus. Seattle Hansen, Reese Detlef, LD. CE. Spokane **Hansen, Thorwald A, LD. CE. Snohomish Hansen, Viola, Grad. Seattle Hanson, Esther A, UD, LA. Seattle Hanson, Esther A, UD, LA. Seattle Hanson, Russell Martin, LD. Bus. Seattle Hantert, Robert William, Spec. Seattle Hardeman, Russella, UD. LA. Seattle Hardeman, Russella, UD. LA. Seattle Hardeman, Russella, UD. LA. Seattle Harden, Donald, LD. Bus. Mt Vernon Harding, Betty I, UD, FA. Seattle Harkness, A Erwin, LD. Bus. Seattle
Hamm, Charles H, LD. Ed. Seattle Hamm, George R, Unc. Bus. Puyallup Hammack, James R, LD. Bus. Seato Woolley Hammerlin, Roy N, LD, Bus. Tacoma Seatole Hammerlin, Roy N, LD, Bus. Tacoma Hammond, Allen O, Grad. Seattle Hampson, Fred E, LD. LA. Tacoma Seattle Hamlond, Robert W. Eng. Seattle Handley, James W, UD. Bus. Hazelwood Haner, Norman W. LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Victor C, LD, Eng. Wickersham Haner, Victor UD, Eng. Spokane Hanley, Myron Victor UD, Bus. Spokane Hanley, Wyron Victor UD, Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanley, V. Myron, LD. Bus. Spokane Hanna, Helen, Unc. Bus. Seattle Hannam, Clair A, Unc. Sci. Seattle Hansen, Hannah A, LD. Bus. Tacoma Hansen, Harry F, UD. Bus. Seattle Hansen, Magnus S, F. Juneau, Alaska Hansen, Thorwald A, LD. CE. Spokane Seattle Hanson, Alice Cable, LD. LA. Seattle Hanson, Bonnie, LD. Bus. Seattle Hanson, Bonnie, LD. Bus. Seattle Hanson, Marion Fay, UD. Bus. Seattle Hanson, Marion Fay, UD. Bus. Seattle Hanson, Russell Martin, LD. Bus. Seattle Hanson, Russell Martin, LD. Bus. Seattle Hanson, Russell Martin, LD. Bus. Seattle Handen, Donald, LD. Bus. Seattle Harden, C. Frederick, LD. Bus. Seattle Harley, C. Fr
Hahl, Lydia A, LD. Phar Seattle Hahm, Carl A, UD. ME

Harlow, Max B, LD. ME. . Thompson, Mont Harm, Frank D, LD, Phar......Centralia Harman, Helen A, UD. FA...Pt. Angeles Harman, Robert L, LD. LA......Spokane Harman, Helen A, UD. FA. Pt. Angeles Harman, Robert L, LD. LA. Spokane Harman, Ingrid L, LD. Sci. Edmonds Harms, James D, Unc. Bus. Centralia **Harper, Clarence P, LD. Bus Culdesae, Ida Harper, Elbert L, UD, Bus. Chehalis Harper, Florence R, LD. Phar Seattle *Harper, Paul A, LD, CE. Seattle Harris, Alden C, LD, Bus. Seattle Harris, Alden C, LD, Bus. Seattle Harris, Benjamin F, LD. Sci. Seattle Harris, Benjamin F, LD. Sci. Seattle Harris, Charles L, Ist Law Seattle Harris, Florence, LD, Bus. Seattle Harris, Florence, LD, Bus. Seattle Harris, Frederick O, LD, LA. Seattle Harris, Frederick O, LD, LA. Seattle Harris, Federick O, LD, LA. Seattle Harris, Lena Beatrice, LD, LA. Seattle Harris, Rapy Hull, LD, Eng. Seattle Harris, Rapy Hull, LD, Eng. Seattle Harris, Rapy Hull, LD, Eng. Seattle Harris, Ralph H, UD. For. Seattle Harris, Ralph H, UD. For. Seattle Harris, Robert G, LD, ME. Spokane Harris, Walter, LD, Bus. Montesano Harrison, Elleen. Seattle Harrison, Elleen. Seattle Harrison, Elleen. Seattle Harrison, Ernecet F, Seattle Harrison, Ernecet F, Seattle Harrison, May, LD, LA. Seattle Harrison, Ernecet F, Seattle Harrison, May, LD, Bus. Richmond Beach Harrison, Ethyl N, LD, LA Seattle Harrison, Everett F, Seattle Harrison, Frances, LD, LA Seattle Harrison, Frances, LD, LA Seattle Harrison, May, LD, Bus. Richmond Beach Harsh, Dwight B, LA Seattle Harshberger, Frank M Jr, LD, FA Seattle Harshberger, Robert L, UD, Min Seattle Hartand L, Louise D, LD, Sci Parkland Hart, Artie-Lee G, UD, LA Seattle Hart, Dean Brooks, UD, Bus Tacoma Hart, Forrest, Unc, Sci Seattle Hart, Forrest, Unc, Sci Seattle Hart, Harold S, LD, EB Walla Wallz Hart, Lou Ella, UD, LA Olympia Hart, Mildred Stanley, LD, FA Seattle Hart, Mildred Stanley, LD, FA Seattle Harter, Genevieve, LD, FA Bellingham Harter, Genevieve, LD, FA Bellingham Harter, Genevieve, LD, Ed Seattle Hartung, Olive May, LD, Sci Seattle Hartwey, Allan, LD, Eng Seattle Harvey, A Barle, LD, Sci Arlington Harvey, Sabel F, LD, Sci Seattle Harvey, Margaret, LD, Ed Medford, Or Harvey, Walter M Jr, LD, LA Seattle Harward, Elbert J, LD, LA Twin Falls, Ida Hassell, H MacDonald, Unc, BB Seattle Hatch, Helen Dorothy, LD, LA Seattle Hatch, Charles B, LD, MB Seattle Hatch, Charles B, LD, MB Seattle Hatton, Ruth G, LD, LA Seattle Hatton, Ruth G, LD, LA Seattle Hatun, Merlin, LD, EE Seattle Hausn, Andrew J, UD, EE Seattle Hausn, Merlin, LD, EE Seattle Hawkins, Harry H, UD, CB Seattle Hawkins, Russell Jr, LD, For Seattle Haw, John Emory, LD, Bus Sunnyside

Hay, Marjorie, LD, SciSeattle
Hay, Ray H. LD. BusSunnyside
Hayden, Henry T Jr, UD, EE.Pt Townsend
Hayden, Mary Dyer, LD, LAScattle
Hayes, Mary Edith,Seattle
Haynes Ette Virginia IID Sci Clancy Mt
Havnes, Hanford, LD, ME Seattle
Haynes, Justin O, UD, BusSeattle
Haynes, Robert, LD, BusSeattle
Haynes, Ross E, UD, Bus. Lebanon, Or
Hazen, Kathryn, LD. FASeattle
Hazen, Oliver M, UD, LA Snohomish
Healy, Timothy Bellingham
Healy, Warren C, LD, SciSeattle
Heath, Fred T. IID. Min Seattle
Heath, Howard Davis, LD, Bus Seattle
Heath, Phyllis T, UD, Bus. Palo Alto, Cal
Heeley, Sue Tacoma
Hefferman John T Jr J.D. Eng. Scottle
Hegewald, Wilhelming, LD, Bus, Mt Vernon
Heily, Raymond, LD, BusSpokane
Helly, Robert G, UD, BusSpokane
Heiman, Jeffrey, LD, LASeattle
Heiner, Eva. I.D. T.A. Senttle
Heints, Wallace Paul, UD, CE Seattle
Heinz, Winfield B, LD, EEChelan Falls
**Heitzman, John H, JourPalouse
Heltzman, Robert E., Unc. LAPaiouse
Helmich, Leone, UD, Sci
Helstrom, Gordon, LD, SciWillapa
Hemphill, Elizabeth, Unc. Ed Seattle
Hemphill Thomas W I.D I.A Seattle
Henderson, Esther, LD, SciSeattle
Henderson, Glenn W. LD, PharSeattle
Henderson, Hamline W, LD, LA. Bellingham
Henderson, Heien E. LD, LAHoquiam
Henderson, Walter L. LD. Eng Seattle
Henderson, Walter L, LD, EngSeattle Hendricks, Ruth Gladys, UD, SciSeattle
Henderson, Walter L, LD, EngSeattle Hendricks, Ruth Gladys, UD, SciSeattle Hendrickson, Harold M, LD, MESeattle
Henderson, Walter L, LD, Eng Seattle Hendricks, Ruth Gladys, UD, Sci Seattle Hendrickson, Harold M, LD, ME Seattle Hendrickson, Harvey F, LD, Bus Seattle Hennings, Lawronce B, 1st Law. Seattle
Henderson, Walter L, LD, Eng Seattle Hendricks, Ruth Gladys, UD, Sci Seattle Hendrickson, Harold M, LD, ME Seattle Hendrickson, Harvey F, LD, Bus Seattle Hennings, Lawrence R, 1st Law Seattle Hendrick, J L. LD, Bus Omak
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hennings, Lawrence R, 1st Law. Seattle Hendrick, J L, LD, Bus. Omak Henrickson, Fred S, LD. LA. Tacoma
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hennings, Lawrence R, 1st Law. Seattle Hendrick, J L, LD, Bus. Omak Henrickson, Fred S, LD. LA. Tacoma Henrickson, H Otto, UD, Bus. Seattle
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrick, J L, LD, Bus. Omat Henrickson, Fred S, LD, LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Hendricksen, H Otto, UD, Bus. Seattle Henricksen, W Thorwald, Unc, Bus. Tacoma Henry Anny Park UD. FA
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrick, J L, LD, Bus. Omak Henrickson, Fred S, LD, LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Henricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Gorman, LD, Bus. Seattle
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hennings, Lawrence R, 1st Law. Seattle Hendricks, J L, LD, Bus. Omak Henrickson, Fred S, LD, LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Henricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Gorman, LD, Bus. Seattle Henry, Hylas B, LD, LA. Yakima
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harveld M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hennings, Lawrence R, 1st Law. Seattle Hennings, Lawrence R, 1st Law. Seattle Hendrickson, Fred S, LD. LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Henricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Gorman, LD, Bus. Seattle Henry, Rylas B, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrick, J L, LD, Bus. Omat Henrickson, Fred S, LD, LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Hentricksen, H Otto, UD, Bus. Seattle Henry, Anna Ruth, UD, FA. Seattle Henry, Hylas E, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma Henshaw, Vallie Virginia, LD, LA. Seattle
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hennings, Lawrence R, 1st Law. Seattle Hendricks, J L, LD, Bus. Omak Henrickson, Fred S, LD, LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Henricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Hylas E, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma Henshaw, Vallie Virginia, LD, LA. Seattle Hepler, Helen, UD, FA. Seattle Hepler, Helen, UD, FA. Seattle
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hennings, Lawrence R, 1st Law. Seattle Hendrickson, Fred S, LD, LM. Tacoma Henrickson, Fred S, LD, LM. Tacoma Henricksen, H Otto, UD, Bus. Seattle Henricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Hylas E, LD, LA. Yakima Henry, Ruth H, LD, LA. Yakima Henshaw, Vallie Virginia, LD, LA. Seattle Hepler, Helen, UD, FA. Seattle Herbert, Willis N, LD, Bus. Tacoma Herman, Saul, LD, Bus. Tacoma Herman, Saul, LD, Bus. Tacoma Herman, Saul, LD, Bus. Tacoma Seattle Herbert, Willis N, LD, Bus. Tacoma Herman, Saul, LD, LA. Seattle
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendricks, J L, LD, Bus. Omak Henrickson, Fred S, LD, LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Henricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Gorman, LD, Bus. Seattle Henry, Hylas B, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma Henshaw, Vallie Virginia, LD, LA. Seattle Hepler, Helen, UD, FA. Seattle Herbert, Willis N, LD, Bus. Tacoma Herman, Saul, LD, LA. Seattle Herbert, Willis N, LD, Bus. Tacoma Hermans, Sul, LD, LA. Seattle Hermans, Emery J, LD, Bus. Puyallup
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrick, J L, LD, Bus. Omat Henrickson, Fred S, LD, LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Hendricksen, H Otto, UD, Bus. Seattle Henricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Hylas B, LD, LA. Yakima Henry, Hylas B, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma Henshaw, Vallie Virginia, LD, LA. Seattle Hepler, Helen, UD, FA. Seattle Herbert, Willis N, LD, Bus. Tacoma Herman, Saul, LD, LA. Seattle Hermans, Emery J, LD, Bus. Puyallup Herre, Kirk Taylor, LD, LA. Ererson R 1
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hennings, Lawrence R, 1st Law. Seattle Hendricks, J L, LD, Bus. Omak Henrickson, Fred S, LD. LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Henricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Hylas E, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma Henshaw, Vallie Virginia, LD, LA. Seattle Hepler, Helen, UD, FA. Seattle Herbert, Willis N, LD, Bus. Tacoma Herman, Saul, LD, LA. Seattle Herbert, Willis N, LD, Bus. Tacoma Herman, Saul, LD, LA. Seattle Herren, Esther, LD, Bus. Puyallup Herre, Kirk Taylor, LD, LA. Everson R 1 Herren, Esther, LD, Bus. Harve, Mt Herren, M ALD, Bus. Seattle
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendricks, J L, LD, Bus. Seattle Hendricks, J L, LD, Bus. Omak Henrickson, Fred S, LD, LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Henricksen, H Otto, UD, Bus. Seattle Henry, Anna Ruth, UD, FA. Seattle Henry, Hylas E, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma Henshaw, Vallle Virginia, LD, LA. Seattle Hepler, Helen, UD, FA. Seattle Heptert, Willis N, LD, Bus. Tacoma Hermans, Saul, LD, LA. Seattle Hermans, Emery J, LD, Bus. Puyallup Herre, Kirk Taylor, LD, LA. Esterson R I Herren, Esther, LD, Bus. Harve, Mt Herren, W A, LD, Bus. Seattle Herren, Willow E, LD, Bus. Seattle Herren, Willow E, LD, Bus. Seattle
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendricks, J L, LD, Bus. Seattle Hendrick, J L, LD, Bus. Omak Henrickson, Fred S, LD. LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Hendricksen, H Otto, UD, Bus. Seattle Henricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Gorman, LD, Bus. Seattle Henry, Hylas E, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma Henshaw, Vallie Virginia, LD, LA. Seattle Hepler, Helen, UD, FA. Seattle Herbert, Willis N, LD, Bus. Tacoma Herman, Saul, LD, LA. Seattle Herman, Saul, LD, LA. Seattle Hermans, Emery J, LD, Bus. Puyallup Herre, Kirk Taylor, LD, LA. Everson R 1 Herren, Esther, LD, Bus. Harve, Mt Herren, W A, LD, Bus. Seattle Herrett, Clurence Harley, LD, Bus. Seattle
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrick, J L, LD, Bus. Omat Henrickson, Fred S, LD, LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Hendricksen, H Otto, UD, Bus. Seattle Henricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Hylas B, LD, LA. Yakima Henry, Hylas B, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma Henshaw, Vallie Virginia, LD, LA. Seattle Hepler, Helen, UD, FA. Seattle Herbert, Willis N, LD, Bus. Tacoma Herman, Saul, LD, LA. Seattle Herren, Esther, LD, Bus. Harve, Mt Herren, Esther, LD, Bus. Harve, Mt Herren, Willow E, LD, LA. Seattle Herren, W A, LD, Bus. Seattle Herren, W A, LD, Bus. Seattle Herrerk, Ellen, UD, LA. Seattle Herrick, LD, S. Greetle Seattle Herrick, LD, S. Greetle Herrett, LD, S. Seattle Herrick, LD, S. Greetle Herrett, LD, S. Seattle
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harvid M, LD, ME. Seattle Hendrickson, Harvid M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendricks, J L, LD, Bus. Omak Henrickson, Fred S, LD, LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Hendricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Hylas E, LD, LA. Yakima Henry, Hylas E, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma Henry, Ruth H, LD, LA. Seattle Hepler, Helen, UD, FA. Seattle Hepler, Willis N, LD, Bus. Tacoma Herman, Saul, LD, LA. Seattle Herman, Saul, LD, LA. Seattle Herner, Kirk Taylor, LD, Bus. Puyallup Herre, Kirk Taylor, LD, LA. Seattle Herren, Wal, LD, Bus. Harve, Mt Herren, Wal, LD, Bus. Seattle Herren, Williow E, LD, LA. Seattle Herren, Williow E, LD, LA. Seattle Herrick, Clarence Harley, LD, Bus. Seattle Herrick, Ellen, UD, LA. Seattle Herrick, Ellen, UD, LA. Seattle Herrick, Ellen, UD, LA. Seattle Herrick, Marlon B, Grad. Seattle Herrick, Marlon B, UD, Bus. Seattle Herrick, Marlon B, UD, Bus. Seattle
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harvold M, LD, ME. Seattle Hendrickson, Harvold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendricks, J L, LD, Bus. Seattle Hendricks, J L, LD, Bus. Omak Henrickson, Fred S, LD, LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Henricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Hylas B, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma Henshaw, Vallie Virginia, LD, LA. Seattle Hepler, Helen, UD, FA. Seattle Herbert, Willis N, LD, Bus. Tacoma Hermans, Saul, LD, LA. Seattle Herren, Kirk Taylor, LD, LA. Seattle Herren, Kirk Taylor, LD, LA. Seattle Herren, W A, LD, Bus. Harve, Mt Herren, W A, LD, Bus. Seattle Herrett, Clarence Harley, LD, Bus. Seattle Herrick, Ellen, UD, LA. Seattle Herrick, Ellen, UD, LA. Seattle Herrick, John S, Grad. Seattle Herrick, Marion H, UD, Bus. Seattle
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendricks, J L, LD, Bus. Seattle Hendrick, J L, LD, Bus. Omak Henrickson, Fred S, LD. LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Hendricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Gorman, LD, Bus. Seattle Henry, Hylas E, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma Henshaw, Vallie Virginia, LD, LA. Seattle Hepler, Helen, UD, FA. Seattle Herbert, Willis N, LD, Bus. Tacoma Herman, Saul, LD, LA. Seattle Herman, Saul, LD, LA. Seattle Herren, W A, LD, Bus. Harve, Mt Herren, W A, LD, Bus. Seattle Herrert, Clarence Harley, LD, Bus. Seattle Herrick, John S, Grad. Seattle Herrick, Marion H, UD, Bus. Seattle Herrick, Marion H, UD, Bus. Seattle Herrick, Winlfred L, LD, LA. Seattle Herrick, Winlfred L, LD, FA. Seattle Herrick, Winlfred L
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrickson, Fred S, LD, LA. Seattle Hendrick, J L, LD, Bus. Omak Henricksen, H Otto, UD, Bus. Seattle Hendricksen, H Otto, UD, Bus. Seattle Henricksen, W Thorwald, Unc, Bus. Tacoma Henricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Hylas B, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma Henry, Ruth H, LD, LA. Seattle Herbert, Willis N, LD, Bus. Tacoma Herbert, Willis N, LD, Bus. Tacoma Herman, Saul, LD, LA. Seattle Herren, Kirk Taylor, LD, LA. Seattle Herren, Esther, LD, Bus. Harve, Mt Herren, W A, LD, Bus. Seattle Herren, W A, LD, Bus. Seattle Herrick, Ellen, UD, LA. Seattle Herrick, Ellen, UD, LA. Seattle Herrick, John S, Grad. Seattle Herrick, Marion H, UD, Bus. Seattle Herrick, Marion H, UD, Bus. Seattle Herrick, Marion H, UD, FA. Seattle Herrick, Carence LD, LA. Seattle Herrick, Marion H, UD, FA. Seattle Herrick, Marion H, UD, FA. Seattle Herrick Carence Carl W LD. LA. Seattle Herrick, Marion H, UD, FA. Seattle Herrick, Marion H, UD, FA. Seattle Herrick Carl W LD. LA. Seattle Herrick, Marion H, UD, FA. Seattle Herrick Carl W LD. LA. Seattle
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harvid M, LD, ME. Seattle Hendrickson, Harvid M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendricks, J L, LD, Bus. Seattle Hendricks, J L, LD, Bus. Omak Henricksen, H Otto, UD, Bus. Seattle Hendricksen, H Otto, UD, Bus. Seattle Henricksen, W Thorwald, Unc, Bus. Tacoma Henricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Hylas E, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma Henry, Ruth H, LD, LA. Seattle Hepler, Helen, UD, FA. Seattle Hepler, Willis N, LD, Bus. Tacoma Herman, Saul, LD, LA. Seattle Herbert, Willis N, LD, Bus. Tacoma Herman, Saul, LD, LA. Seattle Herren, Willow E, LD, LA. Everson R 1 Herren, Esther, LD, Bus. Harve, Mt Herren, W A, LD, Bus. Seattle Herrick, Clarence Harley, LD, Seattle Herrick, John S, Grad. Seattle Herrick, Marion H, UD, Bus. Seattle Herrick, Marion H, UD, Bus. Seattle Herrick, Marion H, UD, Bus. Seattle Herrick, Winifred L, LD, LA. Seattle Herrick, Marion H, UD, Bus. Seattle Herrick, Winifred L, LD, LA. Seattle Herrick, Marion H, UD, Bus. Seattle Herrick, Winifred L, LD, LA. Seattle Herrick, Marion H, UD, FA. Sedre Woolley Hersbberger, Emily, UD, Ed. Seattle Hesketh, R Bruce, LD, ChE. Seattle
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harvid M, LD, ME. Seattle Hendrickson, Harvid M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hennings, Lawrence R, 1st Law. Seattle Hendricks, J L, LD, Bus. Seattle Hendrickson, Fred S, LD, LA. Tacoma Henricksen, H Otto, UD, Bus. Seattle Henricksen, H Otto, UD, Bus. Seattle Henry, Anna Ruth, UD, FA. Seattle Henry, Gorman, LD, Bus. Seattle Henry, Hylas E, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma Henshaw, Vallie Virginia, LD, LA. Seattle Hepler, Helen, UD, FA. Seattle Hepler, Willis N, LD, Bus. Tacoma Herman, Saul, LD, LA. Seattle Hermans, Emery J, LD, Bus. Puyallup Herre, Kirk Taylor, LD, LA. Seattle Herren, Wallow E, LD, LA. Seattle Herren, Wallow E, LD, LA. Seattle Herrett, Clarence Harley, LD, Bus. Seattle Herrick, Ellen, UD, LA. Seattle Herrick, John S, Grad. Seattle Herrick, Marion H, UD, Bus. Seattle Herrick, Winifred L, LD, LA. Seattle Herrick, Rarlon H, UD, Ed. Seattle Hershberger, Emily, UD, Ed. Seattle Hesse, Victor 0, UD, CE. Walla Walla
Henderson, Walter L, LD, Eng. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Harold M, LD, ME. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendrickson, Harvey F, LD, Bus. Seattle Hendricks, J L, LD, Bus. Seattle Hendrick, J L, LD, Bus. Omak Henricksen, H Otto, UD, Bus. Seattle Hendricksen, H Otto, UD, Bus. Seattle Henricksen, W Thorwald, Unc, Bus. Tacoma Henry, Anna Ruth, UD, FA. Seattle Henry, Gorman, LD, Bus. Seattle Henry, Hylas E, LD, LA. Yakima Henry, Ruth H, LD, LA. Tacoma Henshaw, Vallie Virginia, LD, LA. Seattle Hepler, Helen, UD, FA. Seattle Hepert, Willis N, LD, Bus. Seattle Herbert, Willis N, LD, Bus. Tacoma Herman, Saul, LD, LA. Seattle Herman, Saul, LD, LA. Seattle Herren, Kirk Taylor, LD, LA. Everson R 1 Herren, Esther, LD, Bus. Harve, Mt Herren, W A, LD, Bus. Seattle Herrick, John S, Grad. Seattle Herrick, John S, Grad. Seattle Herrick, Marlon H, UD, Bus. Seattle Herrick, Marlon H, UD, Bus. Seattle Herrick, R Bruce, LD, ChE. Seattle Hersberger, Carl W, LD, LA. Everst Hesketh, R Bruce, LD, ChE. Seattle Hesse, Victor O, UD, CE. Walla Walla Hesseltine, Lee F, UD, Bus. Seattle
Hay, Marjerle, LD, Ed. Seattle Hay, Marylel, LD, LA. Seattle Hay, Ray H, LD, Bus. Sunnyside Hayden, Henry T Jr, UD, EE. Pt Townsend Hayden, Mary Dyer, LD, LA. Seattle Haynes, Charles D, UD, LA. Seattle Haynes, Charles D, UD, LA. Seattle Haynes, Etta Virginia, UD, Sci. Clancy, Mt Haynes, Hanford, LD, ME. Seattle Haynes, Robert, LD, ME. Seattle Haynes, Robert, LD, Bus. Seattle Haynes, Robert, LD, Bus. Seattle Haynes, Ross E, UD, Bus. Lebanon, Or Hazen, Clarls M, UD, LA. Seattle Hazen, Kathryn, LD, FA. Seattle Hazen, Cliver M, UD, LA. Snohomish Healy, Timothy M, LD, Bus. Yakima Heath, Dorothy M, LD, Bus. Yakima Heath, Fred T, UD, Min. Seattle Heath, Howard Davis, LD, Bus. Seattle Heath, Phyllis T, UD, Bus. Pale Alto, Cal Heeley, Sue. Tacoma Heer, Ralph W, LD, Fish. Boise, Ida Hefferman, John T Jr, LD, Eng. Seattle Hegewald, Wilhelmina, LD, Bus. Spokane Heily, Robert G, UD, Bus. Spokane Heiner, Arnold, LD, LA. Seattle Heiner, Arnold, LD, LA. Seattle Heiner, Winfield B, LD, EE. Chelan Falls **Heltzman, John H, Jour. Palouse Heltsman, Robert E, Unc, LA. Palouse Hellens, Lawrence W, LD, Bus. Seattle Hemphill, Harriet, LD, FA. Seattle Hemphill, Thomas W, LD, LA. Seattle Henderson, Glenn W, LD, Phar. Seattle Henderson, Hamline W, LD, LA. Seattle Hendricks, Ruth Gladys, UD, Sci. Seattle Hendrickson, Helen E, LD, LA. Tacoma Henracksen, H Otto, UD, Bus. Seattle Hennings, Lawrence R, 1st Law. Seattle Hennry, Ruth H, LD, LA. Seattle Henry, Rylas B, LD, LA. Tacoma Henricksen, W Thowald, Unc, Bus. Tacoma Henry, Ruth H, LD, LA. Seattle Herry, Roles W, LD, LA. Seattle Herrick, Marion H, UD, Bus. Seattle Herrick, Marion H, UD, Bus. Seattle Herrick, Marion H, UD, Bus. Seattle Herrick, John S, Grad. Seattle Herrick, Marion H, UD, B

Heyes, Alice Dorothy, UD, LA..... Seattle Heyes, Katherine E, Unc, Ed. Seattle
Hiatt, Amos, UD, Bus. Seattle
Hermans, Thomas G, UD, Sci. Puyallup
Hermens, Wayland D, UD, Bus. Seattle
Hernandez, Salustiano C, LD, Bus. Philippines
Herner, Pauline, UD, Bus. Portland, Or
Heron, Herbert A, UD, For Seattle
Heron, Nellie S, LD, Sci. Seattle
Hibbard, Wallace McK, LD, Bus. Seattle
Hick, Lawrence L, UD, Fish. Seattle
Hielscher, Herbert H, LD, Bus. Seattle
Hielscher, Herbert H, LD, Bus. Seattle
Hielscher, Herbert H, LD, Bus. Seattle
Higgins, Wilma Romaine, LD, LA. Seattle
Higgins, Wilma Romaine, LD, LA. Seattle
Hillbush, Wilma H, LD, Bus. Hillyard
Hillen, Ethel Joan, LD, Sci. Seattle
Hills, Rita L, LD, FA. Seattle
Hill, Charles G, UD, Bus. Spokane
Hill, Charles G, UD, Bus. Spokane
Hill, Chril D, 2nd Law. Seattle
Hill, R Dwight, LD, Bus. Seattle
Hill, R Dwight, LD, Bus. Seattle
Hill, Ray H, LD, LA. Bellingham
**Hill, Fancel E, LD, Bus. Port Townsend
Hill, Lella Dunwody, UD, LA. Seattle
Hill, Lella Dunwody, UD, LA. Seattle
Hill, Ray H, LD, LA. Bellingham
**Hill, William F, Fish. Kirkland
Hillard, Thelma Edith, LD, Ed. Seattle
Hills, Garlotta, LD, LA. Seattle
Hills, Carlotta, LD, LA. Seattle
Hills, Chester W, UD, EE. Ellisport
Hilladon, Charles E, LD, For. Seattle
Hills, Chester W, UD, Bus. Spokane
Hiner, Wealey F, LD, Bus. Spokane
Hiner, Ellsabeth, Grad. Ft Colllins, Col
Hines, Ruth Ann, Spec. Seattle
Hindle, Stuart J, LD, Bus. Seattle
Hinder, Ellsabeth, Grad. Ft Collins, Col
Hines, Ruth Ann, Spec. Seattle
Hinder, Ellsabeth, Grad. Ft Collins, Col
Hines, Huber J, LD, LA. Seattle
Hinder, Harry M, LD, Bus. Seattle
Hinder, Full, LA. Seattle
Hinder, Harry M, LD, Bus. Seattle
Hodge, Gibert P, LD, LA. Seattle
Hodges, Frederick C, Unc, EE. Thane, Alask
Hodges, Harold B, LD, EE. Seattle
Hodfran, Ruth M, UD, Bus. Seattle
Hoffman, Bessie, UD, Bus. Seattle
Hoffman, Bessie, UD,

Hogue, Helen, UD, FASeattle
Holbrook, C Ray, GradSeattle
Holbrook, Richard, LD, BusSeattle
Holden, Blanche Lillian, LD, BusLebam
Holden, H Harry, LD, LASeattle
Holden, James H, GradSeattle
Holden, James H, UD, EdSeattle
Holden, John Harold, LD, BusChelan
Holderman, O W. Sp. Eng. Chambers Pr
Holland, Helengrant, LD, EdSeattle
Hollower & Cool TD TA Spettle
Holman, Andrew, Unc. CHElma
Holman, Franklin J. Unc. BusElma
Holman, H E. Unc. For Idaho Falls, Ida
Holman, Walter E. Unc. BusSeattle
Holmes, Joseph D, LD, LASeattle
Holmes, Vernon P, LD, ChE.Idaho Falls,Ida
Holmstad, Myrtle Irene, Unc, LASeattle
Holt, Florence C, LD, FASeattle
Holt, Lucy M. UD, SciSeattle
Holt, Marvin G, UD, Che
Holton, Karl William, UD, Bus. Scattle
Holteinger Duth E I.D. I.A. Verime
Hole Eve Lucille I.D I.A Kenowsin
Holzheimer, Frank W. IID. Min Seattle
Homan, Marion, IID, Sci
Honeyman, Ronald J. LD. Bus. Portland, Or
Hooper, Eugene F, LD, LASeattle
Hooper, Louise, LD, LASeattle
Hooper, Robert Sherman, LD, BusSeattle
Hoover, Glenn, GradSeattle
Hoover, Henry B, LD, FABoise, Ida
Hoover, Lewis F, SpecSeattle
Hoover, Uscar, LD, BusEverett
Hopking Hormon E ID Pro South
Hormon Harry A LD Che Puvallun
Hopper, Charles M. LD. BusSpokane
Hopper, Clarence Galvin, LD. Bus. Seattle
Hopper, Dorothea, UD, LASeattle
Hopper, Edna Lucile, LD, LASeattle
Horlike, Joji, LD, BusSeattle
Hornberg, Jalmer T. LD. Bus. New Castle
Horning, Harold F, LD, Bus Seattle
Horning, Harold F, LD, BusSeattle Hornstra, Fred Harry, LD, EEAuburn
Horning, Harold F, LD, BusSeattle Hornstra, Fred Harry, LD, EEAuburn Horowitz, Charles, LD, BusSeattle Horsloy, Frank Soars, LD, BusSeattle
Horning, Harold F, LD, BusSeattle Hornstra, Fred Harry, LD, EEAuburn Horowitz, Charles, LD, BusSeattle Horsley, Frank Sears, LD, BusYakima Horst Ceell A. ID, WE.
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE. Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A, UD, ME Seattle Hoskins, Marion, UD, Ed. Redmond. Or
Horning, Harold F, LD, BusSeattle Hornstra, Fred Harry, LD, EEAuburn Horowitz, Charles, LD, BusSeattle Horsley, Frank Sears, LD, BusYakima Horst, Cecil A, UD, MESeattle Hoskins, Marion, UD, EdRedmond, Or Hotes, John Martin, LD, ForAlder
Horning, Harold F, L.D., BusSeattle Hornstra, Fred Harry, LD, EBAuburn Horowitz, Charles, LD, BusSeattle Horsley, Frank Sears, LD, BusYakima Horst, Cecil A. UD, MESeattle Hoskins, Marion, UD. EdRedmond. Or Hotes, John Martin, LD, ForAlder Houck, Faith, LD, LACoeur d'Alene, Ida
Horning, Harold F, LD, BusSeattle Hornstra, Fred Harry, LD, EEAuburn Horowitz, Charles, LD, BusSeattle Horsley, Frank Sears, LD, BusYakima Horst, Cecil A, UD, MESeattle Hoskins, Marion, UD. EdRedmond, Or Hotes, John Martin, LD, ForAlder Houck, Faith, LD, LACoeur d'Alene, Ida Hougan, Edward O, UD, BusSeattle
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE. Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A, UD, ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA. Coeur d'Alene, Ida Hougan, Edward O, UD, Bus Seattle House, Richard, UD, Bus Seattle
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EB Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A. UD. ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA Coeur d'Alene, Ida Hougan, Edward O. UD, Bus Seattle Houston, Ruth, LD, FA Seattle Houston, Ruth, LD, FA Seattle
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE. Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A, UD, ME Seattle Hoskins, Marion, UD. Ed Redmond, Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA. Coeur d'Alene, Ida Hougan, Edward O, UD, Bus Seattle House, Richard, UD, Bus Seattle Houston, Ruth, LD, FA Seattle Hove, Klareen Emma, LD, FA Seattle
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE. Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A, UD, ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA Coeur d'Alene, Ida Hougan, Edward O, UD, Bus Seattle House, Richard, UD, Bus Seattle Houston, Ruth, LD, FA Seattle Howard, Doris Isabelle, LD, LA Everett
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EB Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A. UD. ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA Coeur d'Alene, Ida Hougan, Edward O. UD, Bus Seattle Houston. Ruth, LD, FA Seattle Houston. Ruth, LD, FA Seattle Howard, Doris Isabelle, LD, LA Stenwedd Howard, Edwin Lee, LD, LA Stanwood
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE. Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A, UD, ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA. Coeur d'Alene, Ida Hougan, Edward O, UD, Bus Seattle House, Richard, UD, Bus Seattle Houston. Ruth, LD, FA Seattle Howard, Doris Isabelle, LD, LA. Seattle Howard, Edward Lee, LD, LA. Stanwood Howard, Frances Hyde, LD, LA. Stanwood Howard, Frances Hyde, LD, LA. Seattle
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE. Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecl. A, UD, ME Seattle Hoskins, Marion, UD. Ed Redmond, Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA Coeur d'Alene, Ida Hougan, Edward O, UD, Bus Seattle Houston. Ruth, LD, FA Seattle Houston. Ruth, LD, FA Seattle Howard, Doris Isabelle, LD, LA Everett Howard, Edwin Lee, LD, LA Stanwood Howard, Frances Hyde, LD, LA Seattle Howard, Frances Hyde, LD, LA Seattle Howard, Frances Hyde, LD, Bus Stanwood Howard, Fred Albert, UD, Bus Stanwood Howard, Fred Albert, UD, Bus Stanwood Howard, Louise, Unc. Sci. Seattle Seattle Howard, Louise, Unc. Sci. Seattle Seattle Louise, Unc. Sci. Sci. Seattle Seattle Louise, Unc. Sci. Sci. Seattle Seattle Louise, Unc. Sci. Sci. Seattle Seattle Louise, Unc. Sci. Sci. Sci. Seattle Louise, Unc. Sci. Sci. Sci. Sci. Sci. Sci. S
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EB Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A. UD. ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA Coeur d'Alene, Ida Hougan, Edward O. UD, Bus Seattle Houston. Ruth, LD, FA Seattle Houston. Ruth, LD, FA Seattle Howard, Doris Isabelle, LD, LA Seattle Howard, Courle House, Richard, UD, Bus Stanwood Howard, Frances Hyde, LD, LA Seattle Howard, Fred Albert, UD, Bus Stanwood Howard, Fred Albert, UD, Bus Stanwood Howard, Louise, Unc. Sci Seattle
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE. Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A, UD, ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA. Coeur d'Alene, Ida Hougan, Edward O, UD, Bus Seattle Houston. Ruth, LD, FA Seattle Houston. Ruth, LD, FA Seattle Howard, Doris Isabelle, LD, LA. Everett Howard, Edwin Lee, LD, LA. Stanwood Howard, Frances Hyde, LD, LA. Seattle Howard, Fred Albert, UD, Bus Stanwood Howard, Fred Albert, UD, Bus Stanwood Howard, Rodney James, LD, Bus Seattle
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, BE Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A, UD, ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA Coeur d'Alene, Ida Hougan, Edward O, UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, Bus Seattle Howerd, Bernan, LD, FA Seattle Howard, Boris Isabelle, LD, LA Stanwood Howard, Frances Hyde, LD, LA Seattle Howard, Fred Albert, UD, Bus Stanwood Howard, Louise, Unc. Sci Seattle Howard, Rodney James, LD, Bus Seattle Howard, Rodney James, LD, Bus Seattle Howard, Rodney James, LD, Bus Seattle Howard, William H Jr, LD, Bus Seattle
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EB Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A. UD. ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA Coeur d'Alene, Ida Hougan, Edward O. UD, Bus Seattle Houston. Ruth, LD, FA Seattle Houston. Ruth, LD, FA Seattle Howard, Doris Isabelle, LD, LA Stanwood Howard, Frances Hyde, LD, LA Stanwood Howard, Fred Albert, UD, Bus Stanwood Howard, Fred Albert, UD, Bus Stanwood Howard, Rodney James, LU, Bus Seattle Howard, Rodney James, LD, Bus Seattle Howard Walter J, UD, FA Seattle Howard Walter J, UD, FA Seattle Howard, William H Jr, LD, Bus Seattle Howard, Marle, LD, LA Seattle
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE. Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A, UD, ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder House, Faith, LD, LA. Coeur d'Alene, Ida Hougan, Edward O, UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, Bus Seattle Housed, Doris Isabelle, LD, LA. Everett Howard, Doris Isabelle, LD, LA. Stanwood Howard, Frances Hyde, LD, LA. Seattle Howard, Edwin Lee, LD, LA. Seattle Howard, Rodney James, LD, Bus. Seattle Howard, Rodney James, LD, Bus. Seattle Howard, William H Jr, LD, Bus. Seattle Howard, William H Jr, LD, Bus. Seattle Howard, Mars. Vera. Unc. FA. Seattle Howard, Marle, LD, LA. Seattle
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A, UD, ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA Coeur d'Alene, Ida Hougan, Edward O, UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, Bus Seattle Howston. Ruth, LD, FA Seattle Howerd, Doris Isabelle, LD, LA Stanwood Howard, Edwin Lee, LD, LA Stanwood Howard, Frances Hyde, LD, LA. Seattle Howard, Fred Albert, UD, Bus Seattle Howard, Rodney James, LD, Bus Seattle Howard, Rodney James, LD, Bus Seattle Howard, William H Jr, LD, Bus Seattle Howard, William H Jr, LD, Bus Seattle Howard, Min, Marie, LD, LA Seattle Howard, Mrs. Vera. Unc. FA Seattle Howden, Mrs. Vera. Unc. FA Seattle Howden, Mrs. Vera. Unc. FA Seattle Howerth, Marie, LD, LA Seattle Howerth, Mrs. Vera. Unc. FA Seattle Howerth, Mrs. Vera. Unc. FA Seattle Howerth, Mrs. Vera. Unc. FA Seattle Howe, Charles B, UD, Bus Seattle
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE. Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A. UD. ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA. Coeur d'Alene, Ida Hougan, Edward O. UD, Bus Seattle Houston. Ruth, LD, FA. Seattle Houston. Ruth, LD, FA. Seattle Howard, Doris Isabelle, LD, LA. Seattle Howard, Doris Isabelle, LD, LA. Stanwood Howard, Frances Hyde, LD, LA. Seattle Howard, Edwin Lee, LD, LA. Stanwood Howard, Fred Albert, UD, Bus. Stanwood Howard, Fred Albert, UD, Bus. Stanwood Howard, Rodney James, LD, Bus. Seattle Howard, William H Jr, LD, Bus. Seattle Howard, William H Jr, LD, Bus. Seattle Howard, Marle, LD, LA. Seattle Howard, Marle, LD, LA. Seattle Howard, Marle, LD, LA. Seattle Howden, Mrs. Vera. Unc. FA. Seattle Howe, Charles B, UD, Bus. Seattle Howe, Helen M, LD, LA. Langley
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE. Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A, UD, ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder House, Faith, LD, LA. Coeur d'Alene, Ida Hougan, Edward O, UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, Bus Seattle Howard, Doris Isabelle, LD, LA. Seattle Howard, Edwin Lee, LD, LA. Stanwood Howard, Frances Hyde, LD, LA. Seattle Howard, Rodney James, LD, Bus. Seattle Howard, Rodney James, LD, Bus. Seattle Howard, William H Jr, LD, Bus. Seattle Howard, William H Jr, LD, Bus. Seattle Howard, Mrs. Vera. Unc, FA. Seattle Howden, Mrs. Vera. Unc, FA. Seattle Howe, Charles B, UD, Bus. Seattle Howe, Kendall L, UD, EE. Seattle Hore, William H, LD, LA. Langley Howe, Kendall L, UD, EE. Seattle
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, BES Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A, UD, MES Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA Coeur d'Alene, Ida Hougan, Edward O, UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, FA Seattle Howard, Doris Isabelle, LD, LA Seattle Howard, Edwin Lee, LD, LA Stanwood Howard, Frances Hyde, LD, LA Seattle Howard, Fred Albert, UD, Bus Stanwood Howard, Fred Albert, UD, Bus Seattle Howard, Rodney James, LD, Bus Seattle Howard, William H Jr, LD, Bus Seattle Howard, William H Jr, LD, Bus Seattle Howard, Mins, Vera. Unc, FA Seattle Howden, Mrs. Vera. Unc, FA Seattle Howe, Charles B, UD, Bus Seattle Howe, Charles B, UD, Bus Seattle Howe, Charles B, UD, Bus Seattle Howe, Kendall L, UD, EE Seattle Howe, Willour Almeron, LD, EE Seattle
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A. UD. ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA. Coeur d'Alene, Ida Hougan, Edward O. UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, Bus Seattle Howard, Doris Isabelle, LD, LA. Seattle Howard, Doris Isabelle, LD, LA. Stanwood Howard, Frances Hyde, LD, LA. Seattle Howard, Edwin Lee, LD, LA. Stanwood Howard, Fred Albert, UD, Bus. Stanwood Howard, Fred Albert, UD, Bus. Stanwood Howard, Rodney James, LD, Bus. Seattle Howard Walter J, UD, FA. Seattle Howard Walter J, UD, FA. Seattle Howard, Milliam H Jr, LD, Bus. Seattle Howard, Marle, LD, LA. Seattle Howden, Mrs. Vera. Unc, FA. Seattle Howe, Charles B, UD, Bus Seattle Howe, Helen M, LD, LA. Langley Howe, Kendall L, UD, EE. Seattle Howe, Millur Almeron, LD, EE. Seattle Hower, M M, LD, Sci Friday Harbor Howell, Eilene, UD, Jour. Portland Or
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE. Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Skattle Horsley, Frank Sears, LD, Bus Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder House, Faith, LD, LA. Coeur d'Alene, Ida Hougan, Edward O. UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, FA Seattle Howard, Doris Isabelle, LD, LA. Seattle Howard, Edwin Lee, LD, LA. Stanwood Howard, Frances Hyde, LD, LA. Seattle Howard, Frances Hyde, LD, LA. Seattle Howard, Frances Hyde, LD, LS. Seattle Howard, William H Jr, LD, Bus. Seattle Howard, William H Jr, LD, Bus. Seattle Howard, Mrs. Vera. Unc, FA. Seattle Howard, Mrs. Vera. Unc, FA. Seattle Howe, Charles B, UD, Bus Seattle Howe, Helen M, LD, LA. Langley Howe, Kendail L, UD, EE. Seattle Howe, M M, LD, Sci Friday Harbor Howell, Einma L, UD. Bus. Portland, Or Howell, Emma L, UD. Bus. Portland.
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA Coeur d'Alene, Ida Hougan, Edward O, UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, Bus Seattle Howard, Edwin Lee, LD, FA Seattle Howard, Boris Isabelle, LD, LA Stanwood Howard, Frances Hyde, LD, LA Seattle Howard, Fred Albert, UD, Bus Stanwood Howard, Fred Albert, UD, Bus Seattle Howard, Rodney James, LD, Bus Seattle Howard, William H Jr, LD, Bus Seattle Howard, William H Jr, LD, Bus Seattle Howard, Milliam H Jr, LD, Bus Seattle Howard, Mrs. Vera. Unc, FA Seattle Howe, Charles B, UD, Bus Seattle Howe, Charles B, UD, Bus Seattle Howe, Charles B, UD, Bus Seattle Howe, Wilbur Almeron, LD, EE Seattle Howe, Wilbur Almeron, LD, EE Seattle Howe, M, LD, Sci Friday Harbor Howell, Ellene, UD, Jour Portland, Or Hoyt, Dorothy, LD, Sci Woodinville
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EB Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A. UD. ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Houck, Faith, LD, LA Coeur d'Alene, Ida Hougan, Edward O. UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, Bus Seattle Howerd, Doris Isabelle, LD, LA Seattle Howard, Doris Isabelle, LD, LA Stanwood Howard, Frances Hyde, LD, LA Stanwood Howard, Frances Hyde, LD, LA Seattle Howard, Rodney James, LD, Bus Stanwood Howard, Frances Hyde, LD, LA Seattle Howard, Rodney James, LD, Bus Seattle Howard, William H Jr, LD, Bus. Seattle Howard, William H Jr, LD, Bus. Seattle Howard, William H Jr, LD, Bus. Seattle Howe, Mrs. Vera. Unc, FA. Seattle Howe, Helen M, LD, LA Langley Howe, Kendall L, UD, EE Seattle Howe, Wilbur Almeron, LD, EE Seattle Howe, M M, LD, Sci Friday Harbor Howell, Eilnee, UD, Jour. Portland, Or Howell, Eilnee, UD, Jour. Portland, Or Howell, Emma L. UD, Bus. Portland, Or Hoyt, Dorothy, LD, Sci Woodlaville Hoyt, Górdon M, LD, Sci Woodlaville
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE. Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Yakima Horst, Cecil A, UD, ME Seattle Hoskins, Marion, UD. Ed Redmond. Or Hotes, John Martin, LD, For Alder Housk, Faith, LD, LA. Coeur d'Alene, Ida Hougan, Edward O. UD, Bus Seattle Houston. Ruth, LD, FA. Seattle Houston. Ruth, LD, FA. Seattle Howerd, Doris Isabelle, LD, LA. Seattle Howard, Doris Isabelle, LD, LA. Stanwood Howard, Frances Hyde, LD, LA. Seattle Howard, Edwin Lee, LD, LA. Seattle Howard, Fred Albert, UD, Bus. Seattle Howard, Louise, Unc. Sci Seattle Howard, William H Jr, LD, Bus. Seattle Howard, William H Jr, LD, Bus. Seattle Howard, William H Jr, LD, Bus. Seattle Howard, Marie, LD, LA. Seattle Howard, Milliam H Jr, LD, Bus. Seattle Howard, Milliam H Jr, LD, Bus. Seattle Hower, Marie, LD, LA. Seattle Hower, Marie, LD, LA. Seattle Hower, Helen M, LD, LA. Langley Howe, Kendall L, UD, EE. Seattle Howe, Kendall L, UD, EE. Seattle Hower, M M, LD, Sci. Friday Harbor Howell, Emma L. UD, Bus. Portland, Or Hoyt, Dorothy, LD, Sci. Seattle Heights SerHoyt, Joseph B, Eng. Emmett. Ida
Horning, Harold F, LD, Bus Seattle Hornstra, Fred Harry, LD, EE Auburn Horowitz, Charles, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Seattle Horsley, Frank Sears, LD, Bus Seattle Hoese, John Martin, LD, Ed Redmond. Or Hotes, John Martin, LD, For Alder House, Faith, LD, LA Coeur d'Alene, Ida Hougan, Edward O, UD, Bus Seattle House, Richard, UD, Bus Seattle House, Richard, UD, Bus Seattle Housen, Ruth, LD, FA Seattle Howard, Edwin Lee, LD, LA Seattle Howard, Edwin Lee, LD, LA Stanwood Howard, Frances Hyde, LD, LA Seattle Howard, Fred Albert, UD, Bus Seattle Howard, Fred Albert, UD, Bus Seattle Howard, Rodney James, LD, Bus Seattle Howard, William H Jr, LD, Bus Seattle Howard, William H Jr, LD, Bus Seattle Howard, Mrs. Vera. Unc, FA Seattle Howard, Mrs. Vera. Unc, FA Seattle Howe, Charles B, UD, Bus Seattle Howe, Charles B, UD, Bus Seattle Howe, Wilbur Almeron, LD, EE Seattle Howe, Wilbur Almeron, LD, EE Seattle Howell, Eilene, UD, Jour Portland, Or Howell, Eilene, UD, Jour Portland, Or Howell, Eilene, UD, Sci Woodinville Hoyt, Górdon M, LD, Sci Seattle Heights Senty, Joseph B, Eng Emmett, Ida Hoyt, Marguerite, LD, LA Seattle Heights
Hogue, Helen, UD, FA

Hubbard, Proctor, LD, BusSeattle
Tabbara, 2.00001, ab, Dab
Hudson, Augustus H, UD, ChEBremerton
Hudson, Dorothy W. LD, LASeattle
Hudson, George Eddy, Unc. Law Seattle
Hudson, Mariorie Merle, III), LA Seattle
Huf. Philip R. Unc. Sci. Tacoma
Hopeing Arthur L. IID T.A Rollingham
Hughes Anna Burka III I.A. Scattle
**Huches Edwin A T.D CH Olympic
Hughes Fred L. III Due Veldene
Unghes, Fred D, OD, Dus
Durches West W ID I A Seattle
Tuches House Holten Walter
Attuches Henry Helton ID Des Volume
Thebes Miller To Day Bus. Iskima
Trumplet Tolling TD 73
Huguelet, Zeitne, LD, Md Seattle
Hunka, Ernest, GradSeattle
Hull, Beatrice I, LD, BusHoquiam
Hull, Clinton R, LD, LAGrass Valley, Cal
Hulshouser, Ruth, LD, LASelah
Humbert, George CMonmouth, Ill
**Humes, Edmond T. Sp. PharSeattle
Hundal, L S, LD, MBSeattle
Hunsaker, James W. LD. ChE Seattle
Hunsaker, Herbert C. UD. LA., White Salmon
Hunt, Beatrice, LD, LA, Kennydale
Hunt, Cecil Albert Seattle
Hunt, Ernest Russell, LD, LA., Leaby
Hunt, Lawrence W. LD Rus Burlington
Hunt Norms E. LD LA Scottle
Trush Theke Alberts TVD Town Contin
Hunt, Phene Alberta, UD, Jour Seattle
Hunt, Wallace D, LD, SciSeattle
Hunt, Phece Alberta, UD, JourSeattle Hunt, Wallace D, LD, SciSeattle Hunting, Lloyd Elmo, LD, ME. Bellingham
Hunt, Frence Alberta, UD, John Seattle Hunt, Wallace D, LD, Sci Seattle Hunting, Lloyd Elmo, LD, ME. Bellingham Huntington, Helen, LD, FA. Denver, Colo
Hunt, Facto Alberta, O.D., Jour Scattle Hunt, Wallace D. LD, Sci Scattle Hunting, Lloyd Elmo, L.D., MB. Bellingham Huntington, Helen, L.D., FA. Denver, Colo Huntington, LeBoy W. L.D., For. Hoquiam
Hunt, Frence Alberta, OD, Journ. Seattle Hunt, Wallace D, LD, Sci Seattle Hunting, Lloyd Elmo, LD, ME. Bellingham Huntington, Helen, LD, FA. Denver, Colo Huntington, LeRoy W, LD, For. Hoquiam Huntley, W Ralph, LD, Bus Spokane
Hunt, Frence Alberta, UD, John Scattle Hunt, Wallace D, LD, Sci. Scattle Hunting, Lloyd Elmo, LD, ME. Bellingham Huntington, Helen, LD, FA. Denver, Colo Huntington, LeRoy W, LD, For Hoquiam Huntley, W Ralph, LD, Bus. Spokane Huntling, Bruce L, LD, Eng. Silver Creek
Hunt, Facto Alberta, O.D., Jour
Hunt, Facto Alberta, OD, Jour. Scattle Hunt, Wallace D, LD, Sci Scattle Hunting, Lloyd Elmo, LD, ME. Bellingham Huntlagton, Helen, LD, FA. Denver, Colo Huntington, LeRoy W, LD, For. Hoquiam Huntley, W Ralph, LD, Bus Spokane Huntling, Bruce L, LD, Eng. Silver Creek Huntworth, John W, UD, Bus Scattle Hurd, Mildred, LD, FA Scattle
Hunt, Facto Alberta, UD, Jour. Scattle Hunt, Wallace D, LD, Sci. Scattle Hunting, Lloyd Elmo, LD, MB. Bellingham Huntington, Helen, LD, FA. Denver, Cole Huntington, LeRoy W, LD, For. Hoquiam Huntley, W Ralph, LD, Bus. Spokane Huntling, Bruce L, LD, Eng. Silver Creek Huntworth, John W, UD, Bus Scattle Hurd, Mildred, LD, FA. Scattle Hurlburt, UM, LD, Min. Thompson Falls Mi
Hunt, Facto Alberta, OD, Jour Scattle Hunt, Wallace D, LD, Sci Scattle Hunting, Lloyd Elmo, LD, ME. Bellingham Huntington, Helen, LD, FA. Denver. Colo Huntington, LeRoy W, LD, For. Hoquiam Huntley, W Ralph, LD, Bus Spokane Huntling, Bruce L, LD, Eng. Silver Creek Huntworth, John W, UD, Bus Scattle Hurt, Mildred, LD, FA Scattle Hurtburt, C M, LD, Min. Thompson Falls Mt Hurley, Colla, LD, LA Pecatonica, Ill
Hunt, France Alberta, UD, Jour. Scattle Hunt, Wallace D, LD, Sci. Scattle Hunting, Lloyd Elmo, LD, ME. Bellingham Huntington, Helen, LD, FA. Denver, Colo Huntington, LeRoy W, LD, For. Hoquism Huntley, W Ralph, LD, Bus. Spokane Huntiling, Bruce L, LD, Eng. Silver Creek Huntworth, John W, UD, Bus. Scattle Hurd, Mildred, LD, FA. Scattle Hurlburt, C M, LD, Min. Thompson Falls Mt Hurley, Colla, LD, LA. Pecatonica, Ill Hurley Dora, UD, LA. Scattle
Hunt, Face Alberta, O.D., Jour Scattle Hunt, Wallace D, LD, Sci Scattle Hunting, Lloyd Elmo, L.D., ME. Bellingham Huntington, Helen, L.D., FA. Denver, Colo Huntington, LeRoy W, L.D., For Hoquiam Huntley, W Ralph, L.D., Bus Spokane Huntling, Bruce L, L.D., Eng Silver Creek Huntworth, John W, U.D., Bus Scattle Hurtlourt, C M, L.D., Min Thompson Falls Mt Hurley, Colla, L.D., L.A Pecatonica, Ili Hurley Dora, U.D., L.A Scattle Hurley, Gerald Victor, L.D., Bus Scattle
Hunt, Facto Alberta, UD, Jour. Scattle Hunt, Wallace D, LD, Sci. Scattle Hunting, Lloyd Elmo, LD, ME. Bellingham Huntington, Helen, LD, FA. Denver, Colo Huntington, LeRoy W, LD, For. Hoquiam Huntley, W Ralph, LD, Bus. Spokane Huntling, Bruce L, LD, Bus. Sepokane Huntling, Bruce L, LD, Bus. Seattle Hurthy, John W, UD, Bus. Scattle Hurtburt, C M, LD, Min. Thompson Falls Mt Hurley, Colla, LD, LA. Pecatonica, Ili Hurley Dora, UD, LA. Scattle Hurley, Gerald Victor, LD, Bus. Scattle Hurley, Gerald Victor, LD, Bus. Scattle Hurwitz, Milton S, LD, Phar. Scattle
Hunt, Face Alberta, UD, Jour. Scattle Hunt, Wallace D, LD, Sci Scattle Hunting, Lloyd Elmo, LD, ME. Bellingham Huntington, Helen, LD, FA. Denver, Cole Huntington, LeRoy W, LD, For. Hoquiam Huntley, W Ralph, LD, Bus Spokane Huntling, Bruce L, LD, Eng. Silver Creek Huntworth, John W, UD, Bus Scattle Hurd, Mildred, LD, FA Scattle Hurlburt, C M, LD, Min. Thompson Falls Mt Hurley, Colla, LD, LA
Hunt, Frace Alberta, UD, Jour. Scattle Hunt, Wallace D, LD, Sci. Scattle Hunting, Lloyd Elmo, LD, ME. Bellingham Huntington, Helen, LD, FA. Denver. Colo Huntington, LeRoy W, LD, For. Hoquiam Huntley, W Ralph, LD, Bus. Spokane Huntley, W Ralph, LD, Bus. Scattle Huntworth, John W, UD, Bus. Scattle Hurthworth, John W, UD, Bus. Scattle Hurlburt, C M, LD, Min. Thompson Fails Mt Hurley, Colla, LD, LA. Pecatonica, Ill Hurley Dora, UD, LA. Scattle Hurley, Gerald Victor, LD, Bus. Scattle Hurley, Gerald Victor, LD, Bus. Scattle Hurley, Gerald Victor, LD, Bus. Scattle Hurson, John Wing, LD, Bus. Scattle Huson, John Wing, LD, Bus. Scattle Hutcheson, Elwood, 1st Law. Montesano
Hunt, Facto Alberta, UD, Jour. Scattle Hunt, Wallace D, LD, Sci. Scattle Hunting, Lloyd Elmo, LD, MB. Bellingham Huntington, Helen, LD, FA. Denver, Colo Huntington, LeRoy W, LD, For. Hoquiam Huntley, W Ralph, LD, Bus. Spokane Huntling, Bruce L, LD, Eng. Silver Creek Huntworth, John W, UD, Bus. Scattle Hurd, Mildred, LD, FA. Scattle Hurlburt, C M, LD, Min. Thompson Falls Mt Hurley, Colla, LD, LA. Pecatonica, Ill Hurley Dora, UD, LA. Scattle Hurley, Gerald Victor, LD, Bus. Scattle Hurwitz, Milton S, LD, Phar. Scattle Huson, John Wing, LD, Bus. Scattle Huson, John Wing, LD, Bus. Scattle Hutcheson, Elwood, 1st Law. Montesano Hutchinson, Alva T, LD, EE. Vashon
Hunt, Face Alberta, U.D., Jour. Scattle Hunt, Wallace D, L.D., Sci Scattle Hunting, Lloyd Elmo, L.D., ME. Bellingham Huntington, Helen, L.D., FA Denver, Colo Huntington, LeRoy W, L.D., For Hoquiam Huntiley, W Ralph, L.D., Bus Spokane Huntiley, W Ralph, L.D., Bug Scattle Hurthurt, John W, U.D., Bus Scattle Hurthurt, C M, L.D., Min
Hunt, Facto Alberta, OD, Scattle Hunt, Wallace D, LD, Sci Scattle Hunting, Lloyd Elmo, LD, ME. Bellingham Huntington, Helen, LD, FA. Denver, Colo Huntington, LeRoy W, LD, For. Hoquiam Huntley, W Ralph, LD, Bus Spokane Huntling, Bruce L, LD, Eng. Silver Creek Huntworth, John W, UD, Bus Scattle Hurthurt, C M, LD, Min. Thompson Falls Mt Hurley, Colla, LD, LA Pecatonica, Ill Hurley Dora, UD, LA Scattle Hurwitz, Milton S, LD, Phar Scattle Hurwitz, Milton S, LD, Phar
Hunt, Face Alberta, U.D., Jour Scattle Hunt than Wallace D. I.D, Sci Scattle Hunting, Lloyd Elmo, I.D., ME. Bellingham Huntington, Helen, L.D., FA. Denver, Colo Huntington, LeRoy W, I.D., For. Hoquiam Huntiley, W Ralph, L.D., Bus Spokane Huntilng, Bruce L. I.D., Eng. Silver Creek Huntworth, John W, U.D., Bus Scattle Hurd, Mildred, L.D., FA Scattle Hurlburt, C M, I.D., Min. Thompson Falls Mt Hurley, Colla, I.D., I.A Pecatonica, Ill Hurley Dora, U.D., LA Scattle Hurley, Gerald Victor, I.D., Bus Scattle Hurley, Gerald Victor, I.D., Bus Scattle Huson, John Wing, I.D., Bus Scattle Hutcheson, Elwood, 1st Law Montesano Hutchinson, Alva T, I.D., EE Vashon Hutchinson, Lois, I.D., I.A Yakima Hutchinson, W Harold, 2nd Law. Scattle Hutchison, Howard, I.D., ChE Scattle
Hunt, Frace Alberta, U.D., Jour. Scattle Hunt, Wallace D, L.D., Sci Scattle Hunting, Lloyd Elmo, L.D., ME. Bellingham Huntington, Helen, L.D., FA
Hunt, Face Alberta, UD, Jour. Scattle Hunt, Wallace D, LD, Sci. Scattle Hunting, Lloyd Elmo, LD, ME. Bellingham Huntington, Helen, LD, FA. Denver. Cole Huntington, LeRoy W, LD, For. Hoquiam Huntley, W Ralph, LD, Bus. Spokane Huntling, Bruce L, LD, Eng. Silver Creek Huntworth, John W, UD, Bus. Scattle Hurlworth, John W, UD, Bus. Scattle Hurlburt, C M, LD, Min. Thompson Falls Mt Hurley, Colla, LD, LA. Pecatonica, Ili Hurley Dora, UD, LA. Scattle Hurley, Gerald Victor, LD, Bus. Scattle Hurley, Gerald Victor, LD, Bus. Scattle Hurson, John Wing, LD, Phar. Scattle Huson, John Wing, LD, Bus. Scattle Hutcheson, Elwood, 1st Law. Montesano Hutchinson, Alva T, LD, EE. Vashon Hutchinson, Lois, LD, LA. Yakima Hutchinson, W Harold, 2nd Law. Scattle Hutchison, Howard, LD, ChE. Scattle Hutchison, Ruby, LD, Sci. Mt Vernon Hutchinson, Pauline, UD, FA. Scattle Hutchinson, Pauline, UD, FA. Scattle
Hunt, Face Alberta, U.D., Jour. Scattle Hunt, Wallace D, LD, Sci. Scattle Hunting, Lloyd Elmo, L.D., ME. Bellingham Huntington, Helen, L.D., FA. Denver, Colo Huntington, LeRoy W, L.D., For. Hoquiam Huntiley, W Ralph, LD, Bus. Spokane Huntiley, W Ralph, LD, Bug. Silver Creek Huntworth, John W, U.D., Bug. Silver Creek Huntworth, John W, U.D., Bug. Scattle Hurlburt, C M, LD, Min. Thompson Falls Mt Hurley, Colla, LD, LA. Pecatonica, Ill Hurley Dora, U.D., LA. Scattle Hurley, Gerald Victor, LD, Bus. Scattle Hurley, Gerald Victor, LD, Bus. Scattle Huson, John Wing, LD, Bus. Scattle Huson, John Wing, LD, Bus. Scattle Hutchison, Alva T, LD, EE. Vashon Hutchinson, Lois, LD, LA. Yakima Hutchison, Howard, LD, ChE. Scattle Hutchison, Ruby, LD, Sci. Mt Vernon Hutchison, Ruby, LD, Sci. Mt Vernon Hutchison, Pauline, U.D., FA. Scattle Hyland. Katherine, LD, LA.
Hudson, Augustus H, UD, ChB. Bremerton Hudson, Dorothy W. LD, LA
Hunt, Face Alberta, U.D., Jour. Scattle Hunt, Wallace D, LD, Sci. Scattle Hunting, Lloyd Elmo, L.D., ME. Bellingham Huntington, Helen, LD, FA. Denver, Colo Huntington, LeRoy W, LD, For. Hoquiam Huntley, W Ralph, LD, Bus. Spokane Huntling, Bruce L. LD, Eng. Silver Creek Huntworth, John W, U.D. Bus. Scattle Hurd, Mildred, LD, FA. Scattle Hurlburt, C M, LD, Min. Thompson Falls Mt Hurley, Colla, LD, LA. Pecatonica, Ill Hurley Dora, U.D. LA. Scattle Hurley, Gerald Victor, LD, Bus. Scattle Hurey, Gerald Victor, LD, Bus. Scattle Huson, John Wing, LD, Bus. Scattle Huson, John Wing, LD, Bus. Scattle Hutchison, Alva T, LD, EE. Vashon Hutchinson, Lois, LD, LA. Yakima Hutchinson, Howard, LD, ChE. Scattle Hutchison, Howard, LD, ChE. Scattle Hutchison, Pauline, U.D, FA. Scattle Hyllengren, Henry, LD, Bus. Scattle Hyllengren, Henry, LD, Bus. Scattle Hyllengren, Henry, LD, Bus. Scattle Hyner, Gleen, LD, Brs.
Hunt, Face Alberta, UD, John Seattle Hunt, Wallace D, LD, Sci. Seattle Hunting, Lloyd Elmo, LD, ME. Bellingham Huntington, Helen, LD, FA. Denver, Colo Huntington, LeRoy W, LD, For. Hoquiam Huntley, W Ralph, LD, Bus. Spokane Huntley, W Ralph, LD, Bus. Spokane Huntley, W Ralph, LD, Bus. Seattle Hurd, Mildred, LD, FA. Seattle Hurlburt, C M, LD, Min. Thompson Fails Mt Hurley, Colla, LD, LA. Pecatonica, Ill Hurley Dora, UD, LA. Seattle Hurley, Gerald Victor, LD, Bus. Seattle Hurley, Gerald Victor, LD, Bus. Seattle Hursen, John Wing, LD, Bus. Seattle Huson, John Wing, LD, Bus. Seattle Hutcheson, Elwood, 1st Law. Montesano Hutchinson, Lois, LD, LA. Yakima Hutchison, Howard, LD, ChE. Seattle Hutchison, Ruby, LD, Sci. Mt Vernon Hutchison, Pauline, UD, FA. Seattle Hyland, Katherine, LD, LA. Seattle Hyland, Katherine, LD, LA. Seattle Hyland, Katherine, LD, Bus. Seattle Hyde, Cleire Vigeting LD, LA. Seattle Hyde, Cleire Vigeting LD, LA. Seattle
Hyllengren, Henry, LD, BusSeattle Hyner, Glen, LD, BusSeattle Hyde, Claire Virginia, LD, LASeattle
Hunt, Face Alberta, U.D., Jour. Scattle Hunt, Wallace D, LD, Sci. Scattle Hunting, Lloyd Elmo, L.D., ME. Bellingham Huntington, Helen, L.D., FA. Denver, Colo Huntington, LeRoy W, L.D., For. Hoquiam Huntiley, W Ralph, L.D., Bus. Spokane Huntiley, W Ralph, L.D., Bug. Silver Creek Huntworth, John W, U.D., Bug. Silver Creek Huntworth, John W, U.D., Bug. Scattle Hurlburt, C M, L.D., Min. Thompson Falls Mt Hurley, Colla, L.D., L.A. Pecatonica, Ili Hurley Dora, U.D., L.A. Scattle Hurley, Gerald Victor, L.D., Bus. Scattle Hurley, Gerald Victor, L.D., Bus. Scattle Huson, John Wing, L.D., Bus. Scattle Huson, John Wing, L.D., Bus. Scattle Hutchison, Alva T, L.D., EE. Vashon Hutchinson, Lois, L.D., ChE. Scattle Hutchison, Howard, L.D., ChE. Scattle Hutchison, Ruby, L.D., Sci. Mt Vernon Hutchinson, Ruby, L.D., Sci. Mt Vernon Hutchinson, Ruby, L.D., Sci. Mt Vernon Hutchinson, Pauline, U.D., F.A. Scattle Hyland, Katherine, L.D., L.A. Scattle Hyland, Katherine, L.D., Bus. Scattle Hyde, Claire Virginia, L.D., L.A. Scattle **Hynes, Frank W, Sp, Fish. Scattle

Ibach, Horace H, LD, Min. Seattle
Ide, Kinichi, LD, LA. Seattle
Inches, Icona, LD, LA. Seattle
Ingalls, M M, Spee Seattle
Ingham, Caroline, LD, LA. Olympia
Ingham, Harry D, LD, CE. Seattle
Ingram, Robert M. UD, Bus. Hoquian
Inkster, Harry, LD, Sci. Seattle
Inkster, Ruth D, LD, Sci. Seattle
Inkster, Ruth D, LD, Sci. Seattle
Inkster, Ruth D, LD, Sci. Spokane
Inouye, Chohei, UD, Bus. Seattle
Instrella, Angel M, UD, Ed. Philippines
Irish, Grace, Unc, Ed. Spokane
Irvine, Robert W, LD, Sci. Spokane
Irvine, Robert W, LD, Sci. Spokane
Irvine, Jacob C, Unc. LA. Twin Falls, Ida
Irvine, Mason, UD, EE. Montesano
Ielander, Ida, LD, FA. Seattle
Israel, Eil; LD, Bus. Seattle
Itkin, Annetta, LD, LA. Seattle
Iverson, Oscar A, Unc, Bus. Kalispell, Mont
Ives, Waldo C, LD, LA. Seattle

Ivy, Eugene D, 3rd LawDavenport
Jacinto, Victorino, LD, LA. Philippines Jackson, Betty, LD, Ed. Seattle Jackson, David K, Unc, Bus. Seattle Jackson, Dorothea, LD, LA. Seattle Jackson, George B, Grad, LA. Seattle Jackson, Irene N, LD, LA. Seattle Jackson, Irene N, LD, LA. Black Diamond **Jackson, Louis L, Sei. Seattle Jackson, Louis L, Sei. Seattle Jacobs, Miller F, LD, ChE Seattle Jacobs, Anna E, LD, LA. Seattle Jacobs, Frank H, LD, ME. Seattle Jacobs, Harold A, UD, ME. Seattle Jacobs, Harold A, UD, ME. Seattle Jacobs, Harold A, UD, ME. Seattle Jacobsen, John T, LD, FA. Des Moines Jacobsen, Philip A, Unc, EE. Des Moines Jacobsen, Philip A, Unc, EE. Des Moines James, Dorothy, LD, Sci. Tacoma James, Frank B, LD, Bus. Seattle James, Gordon M, UD, Sci. Tacoma James, Milton C, UD, Fish. Augusta, Me James, Thurston, UD, Bus. Yakima Janeck, Kenneth N, LD, Phar Yakima Janeck, Marion D, UD, LA. Yakima Janeck, Marion D, UD, LA. Yakima Janeck, Marion D, UD, LA. Seattle Jarvis, Norman D, UD, Fish. Pt Townsend Jaryis, Norman D, UD, Ed. Puyallup Jenkins, Margaret A, UD, Sci. Seattle Jenkins, Helena, UD, Ed. Puyallup Jenkins, Margaret A, UD, Sci. Seattle Jenner, Cordelia E, LD, Bus. Seattle Jenner, Cordelia E, LD, Bus. Seattle Jenner, Cordelia E, LD, Bus. Seattle Jenner, Marion U, LA. Seattle Jenner, Marion U, LA. Seattle Jenner, Marion U, LA. Seattle Jenner, Helen, LD, LA. Seattle Jenner, Helen, LD, LA. Seattle Jensen, Georgia D, LD, LA. Seattle Johnson, Carl B, LD, Bus. Spokane Johnson, Carl B, LD, Bus. Seattle Johnson, Carl B, LD, Bus. Seattle Johnson, Carl B, LD, Bus. Seattle Johnson, Forence B, Dpe. Portland, Or Johnson, Florence B, Dpe. Portland, Or Johnson, Florence B, UD, LA. Seattle Johnson, Florence B, UD, LA. Seattle Johnson, Florence B, UD, LA. Seattle Johnson, Hutd
Jackson, David K. Unc. Rus Scattle
Jackson, Dorothea, LD, LASeattle
Jackson, George B. Grad, LA Seattle
Jackson, Irene N. LD, LASeattle
**Jackson, Louis L. SciSeattle
Jacobi, Miller F, LD, ChESeattle
Jacobs, Anna E, LD, LASeattle
Jacobs, Frank H. LD. MESeattle
Jacobs, Harold A, UD, ME Seattle
Jacobs, Mary E, LD, LASeattle
Jacobsen, John T. LD, FADes Moines
Jacobsen, Paul M, UD, CEEllensburg
Jacobsen, Philip A, Unc, EEDes Moines
James, Frank E. LD. BusSeattle
James, Gordon M, UD, SciTacoma
James, Milton C, UD, FishAugusta, Me
Janeck. Kenneth N. LD. PharYakima
Janeck, Louis F, UD, BusYakima
Janeck, Marion D, UD, LA Yakima
Jardine. Nan T. LD. LASeattle
Jarvis, Norman D, UD, FishPt Townsend
Jasper, Martin W, LD, Min. Kellogg, Ida
Jenkins, Helena, UD, EdPuyallup
Jenkins, Margaret A, UD, SciSeattle
Jenks, Carol, LD, LA
Jenner, Earle B, UD, MESeattle
Jennerson, Horace L, LD, EE Seattle
Jensen, Alfred, IID, CESeattle
Jensen, Helen, LD, LASeattle
Jensen, Kai, UD, LASeattle
Jensen, Marian G. LD, SciEverett
**Jensen, Walter A, LD, BusSpokane
Jergensen, Mary E. I.D. BusSeattle
Jerome, Vincent B, LD, EdCashmere
Jessup, Clara Belle, LD, LABremerton
Jewell. Mildred. LD. FATenino
Jewell, Mildred, LD, LASeattle
Johanson, Nels E, LD, MinIndex
Johnson, Anna E, LD, LASeattle
Johnson, Benjamin F, LD, BusRaymond
Johnson, Bertil E, Unc, BusTacoma
Johnson, Carl B, LD, BusSeattle
Johnson, Clarence B, SpecPortland, Or
Johnson, Cyrus B, LD, LASeattle
Johnson, Edith M, GradLewiston, Mont
Johnson, Eva Jane, LD, LASeattle
**Johnson, F B, LD, Bus. Twin Falls, Ida
Johnson, Fletcher O, LD, BusSeattle
Johnson, Florence E. UD. SciBellingham
Johnson, Frederick A, LD, EE Senttle
Johnson, Glen, Unc. Sci
Johnson, Harvey A, LD, BusChehalis
Johnson, Herbert, UncWinslow
Johnson, Howard A. LD. MEPearson
Johnson, Isyl, LD, LATacoma
Johnson, Jeanette E, LD, LAEverett

**Johnson, John L, LD, Bus...Coeur d'Alene Johnson, Kenneth A, UD, Sci......Seattle Johnson, Lorenz C, LD, Bus......Senttle Johnson, Lorenz C, LD, Bus... Seattle
Johnson, Lula Marie, Unc, Sci... Hoquiam
Johnson, Martin W, LD, Fish... Silvana
Johnson, Martin W, LD, Fish... Silvana
Johnson, Melvin E, LD, EE... Spokane
Johnson, Myrtle, Unc, FA... Poulsbo
Johnson, Myrtle, Unc, FA... Poulsbo
Johnson, Nora H, LD, Sci... Aberdeen
Jchnson, Norman, LD, Sci... Seattle
Johnson, Oliver, LD, Eng... Seattle
Johnson, Oscar M, LD, Bus... Redmond
**Johnson, Oscar M, LD, Bus... Seattle
Johnson, Pauline, LD, LA... Spokane
Johnson, Philip, LD, Scr... Selah
Jchnson, Raymond L, LD LA... Tacoma
Johnson, Roscoe, LD, LA... Heppner, Or Johnson, Pauline, LD, LA. Spokane
Johnson, Philip, LD, Scr. Selah
Jchnson, Raymond L. LD LA. Tacoma
Johnson, Roscoe, LD, LA. Heppner, Or
Johnson, Rudolph, LD, Sci. Seattle
Johnson, Sylvia, LD, Phar. Ilwaco
Johnson, Sylvia, LD, Phar. Ilwaco
Johnson, Venus June, UD, Sci. Seattle
Johnson, Victor, LD, LA. Spokane
**Johnson, Victor, LD, LA. Spokane
**Johnson, Victor, LD, LA. Spokane
Johnson, Victor Martin, UD, Bus. Spokane
Johnson, Victor Martin, UD, Bus. Spokane
Johnson, Victor Martin, UD, Bus. Spokane
Johnson, Walter W, UD. Min. Seattle
Johnston, B Helen M, LD, LA. Victoria, BC
Johnston, Carolyn Ruth, LD, Sci. Seattle
Johnston, Ciarence W, Unc, Phar. Marysville
Johnston, Clarence W, Unc, Phar. Marysville
Johnston, Rae L, LD, Eng. Seattle
Johnston, Rae L, LD, Eng. Seattle
Johnston, Robert V, Unc, Bus. Spokane
Johnstone, Robert V, Unc, Bus. Arlington
Jolliffe, John P, LD, EEE. Tacoma
Jolliffe, John P, LD, EEE. Tacoma
Jollyfe Margaret J, UD, LA. Tacoma
Jollyfe Mydia, LD, LA. Seattle
Jones, Charles D, Unc. Mukilteo
**Jones, Clarence W, ME. Seattle
Jones, Eleanor, LD, Bus. Seattle
Jones, George Frank, LD, Min. Seattle
Jones, George Frank, LD, Min. Seattle
Jones, Helen, LD, Bus. Seattle
Jones, William John, UD, Sci. Seattle
Jones, William John, UD, Bus. Seattle
Jones, William K, LD, Bus. Seattle
Jones, William John, UD, Bus. Seattle
Jordan, Allan R, LD, Bus. Seattle
Jordan, Ruth, LD, LA. Seattle
Jordan, Bernice, LD, Sci. Seattle
Jordan, Bernice, LD, Sci. Seattle
Jodges, Fred Byron, UD, Journ. Spokane
J

Kaiser, Gladys Guernsey, UD, Sci. Seattle Kalez, Marion M, LD, Sci. Spokane Kaligren, Philip Albin, LD, ME. Hall Kamb, Walter Carl, LD, LA. Mt Vernon Kamei, Sheichiro Richard, LD, LA. Seattle

Kamholz, Elmer William, UD, EE.Center	ville
Kamm, Edward John, Unc, LALy.	nden
Kane, Arthr T, UD, ME	118011
Kangley, Helen Agnes, UD, LAZe	enith
Kangley, Lucy, UD, LASe	attle
*Kapphahn, Dorothea Lois, NurTae	coma
Karrasch, Harry S. Spec. BusSe	attle
Karr Olive Ann. LD. LA	niam
Konn Korl IID CE So	attle
Zacham W III III III Walle Walle	Track
Kaseberg, F, OD, Ed Wana Wana, V	A FIRST
Kauter, Monica, LD, Ed	atue
Kaufman, Elsa, LD, FATa	coma
**Kaufman, W S, Sp, FARichmond,	Ind
Kautz, Beryl, UD, EdSe	attle
Kearney, Harold J. LD. BusOly	mpia
Keck, Helen Maude, LA FA Se	attle
Kee, Sing-Tab. IID. LA	hina
Keefe Robert M LD Bug Snobe	mish
Koolow Coown W T.D Dra So	anim
Attractor Dalah C Ca Man Daviland	dam.
Takeney, Raiph C, Sp. Eng. Formand	, Ur
Keeling, Charles Robert, LD, Bus. Se	attie
Keen, Ruth M, LD, LASe	attle
Keene, Elmer Lester, UD, EEYa	kima
Keene, Mildred Yockey, Sp. EdSe	attle
Keeney, Leo D. LD. FishBo	thell
Kehres, Harvey E. UD. Sci	
Kelfer Lyman Reacher IID FA Wir	LEBBO
Wallbalte Doth W ID Gol Go	oftha.
Kemiotz, Kum W. LD, Scise	allie -
Kellam, Sumner, LD, Sci	attie
Kelleher, John E, Unc, Law	enton
Keller, Bertha Mae, LD, LASpo	kane
**Keller, Earl Wright, LD, BusPayett	e, Id
Kelley, Barbara, Rosella, UD, Bus. Se	attle
Kelley, Cecil S. UD. MESe	attle
**Kelley, Engene Lester, Bus Se	attle
Wallow Teranaia Topanh III) Chi	attle
Welley, Dianess Joseph, OD, Ons	2000
Welley Jone Josephia III) Gol Welle V	rolle.
Kelley, Jane Isabelle, OD, Sci Walla v	vana.
Kelley, Martha, UD, LAShono	misn
Kellner, Chester R, UD, BusHam	iliton
Kellogg, Chester Orson, IID, Bus, Hog	niam
	uiuiii
Kellogg, Howard B, UD, SciSe	attle
Kellogg, Howard B, UD, SciSe Kellogg, Jesse I, UD, BusPuy	attle
Kellogg, Howard B, UD, SciSe Kellogg, Jesse I, UD, BusPuy Kellogg, Marion Colie, LD, FASe	attle allup attle
Kellogg, Howard B, UD, SciSe Kellogg, Jesse I, UD, BusPuy Kellogg, Marion Colle, LD, FASe Kelly. Naomi Lucile. LD. FATa	attle allup attle
Kellogg, Howard B, UD, SciSc Kellogg, Jesse I, UD, BusPuy Kellogg, Marion Colle, LD, FASc Kelly, Naomi Lucile, LD, FATa Kelso, Kenneth LD, LA. Sc	attle allup attle coma
Kellogg, Howard B, UD, SciSe Kellogg, Jesse I, UD, BusPuy Kellogg, Marion Colle, LD, FASe Kelly, Naomi Lucile, LD, FATa Kelso, Kenneth, LD, LASe Kenny, Lawer W. LD, EMSe	attle allup attle coma attle
Kellogg, Howard B, UD, Sci	attle allup eattle coma eattle eattle
Kellogg, Howard B, UD, Sci	attle allup eattle coma eattle eattle eattle
Kellogg, Howard B, UD, Sci	attle allup eattle coma eattle eattle eattle eattle eattle
Kellogg, Howard B, UD, Sci	eattle allup eattle coma eattle eattle eattle eattle eattle eattle
Kellogg, Howard B, UD, Sci	attle allup eattle coma eattle
Kellogg, Howard B, UD, Sci	attle allup eattle coma eattle eattle eattle eattle eattle deattle dea
Kellogg, Howard B, UD, Sci	attle allup attle coma attle cattle cattle cattle cattle cattle cattle Joion cattle
Kellogg, Howard B, UD, Sci. Sc Kellogg, Jesse I, UD, Bus. Puy Kellogg, Marion Colle, LD, FA. Sc Kelly, Naomi Lucile, LD, FA. Ta Kelso, Kenneth, LD, LA. Sc Kemp, James W, LD, EE. Sc Kendall, Julia N, LD, Ed. Sc **Kendall, Ver T, LD, Bus. Sc Kenin, Harry M, Grad. Long E Kennedy, Bernice, LD, LA. Sc Kennett, John Joseph, 3d Law. Sc Kenyon, Geo. D, LD, Bus. Sc	attle allup attle coma attle cattle c
Kellogg, Howard B, UD, Sci Se Kellogg, Jesse I, UD, Bus Puy Kellogg, Marion Colle, LD, FA Se Kelly, Naomi Lucile, LD, FA Ta Kelso, Kenneth, LD, LA Se Kemp, James W, LD, Ed Se Kendall, Julia N, LD, Ed Se **Kendall, Ver T, LD, Bus Se Kenia, Harry M, Grad Long I Kennedy, Bernice, LD, LA Se Kennedy, Bernice, LD, LA Se Kennett, John Joseph, 8d Law Se Kenyon, Geo. D., LD, Bus Se **Kepjonger, Urban A. Bus Portlan	eattle allup eattle coma eattle eattle eattle eattle eattle contile eattle eattle dattle dd, O
Kellogg, Howard B. UD, Sci	eattle allup cattle coma cattle d, O s, Or
Kellogg, Howard B, UD, Sci Se Kellogg, Jesse I, UD, Bus Puy Kellogg, Marion Colle, LD, FA Se Kelly, Naomi Lucile, LD, FA Se Kelly, Naomi Lucile, LD, FA Ta Kesse, Kenneth, LD, LA Se Kemp, James W, LD, Ed Se Kendall, Julia N, LD, Ed Se Kendall, Julia N, LD, Ed Se Kenin, Harry M, Grad Long I Kennedy, Bernice, LD, LA Se Kennedy, Lottle Ann, LD, LA UKennett, John Joseph, 3d Law Se Kenyon, Geo. D., LD, Bus Se *Keppinger, Urban A, Bus Portlan Kerr, Genieve, UD, LA Corvallin Kerr, Genieve, UD, LA Corvallin Kerr, Genieve, UD, LA Corvallin Kerr, Hollis E. LD, Eng. Mt. V.	eattle allup attle coma attle attle attle attle attle attle attle attle attle d attle d , Or
Kellogg, Howard B, UD, Sci	eattle eattle coma eattle eattle eattle Juion eattle eattle di, O s, Or ernon
Kellogg, Howard B, UD, Sci	eattle allup attle coma eattle eattle eattle Julion eattle dd, O ernon eattle
Kellogg, Howard B, UD, Sci	eattle eattle eattle eattle eattle eattle eattle eattle dattle dd, Or ernon eattle eattle
Kellogg, Howard B, UD, Sci. Se Kellogg, Jesse I, UD, Bus. Puy Kellogg, Marlon Colle, LD, FA. Se Kelly, Naomi Lucile, LD, FA. Ta Kelso, Kenneth, LD, LA. Se Kemp, James W, LD, Ed. Se Kemall, Julia N, LD, Ed. Se Kendall, Julia N, LD, Ed. Se Kendall, Julia N, LD, Ed. Se Kenneth, Bernice, LD, LA. Se Kennedy, Bernice, LD, LA Se Kennett, John Joseph, 3d Law Se Kenyon, Geo. D., LD, Bus. Se Kenyon, Geo. D., LD, Ed. Corvallia Kerr, Genieve, UD, LA Corvallia Kerr, Genieve, UD, LA Se Kerrsgan, Lillie, LD, FA Se Kerrsgan, Lillie, LD, FA Se Kerrsgan, Lillie, LD, FA Se Kerschmer, V, LD, Bus. Se	eattle coma cattle
Kellogg, Howard B, UD, Sci Se Kellogg, Jesse I, UD, Bus Puy Kellogg, Marion Colle, LD, FA Se Kelly, Naomi Lucile, LD, FA Ta Kelso, Kenneth, LD, LA Se Kemp, James W, LD, EE Se Kendall, Julia N, LD, Ed Se Kendall, Ver T, LD, Bus Se Kenia, Harry M, Grad Long I Kennedy, Bernice, LD, LA Se Kennedy, Bernice, LD, LA Se Kennett, John Joseph, 8d Law Se Kenyon, Geo. D., LD, Bus Se Kenyon, Geo. D., LD, Bus Se Kenyon, Geo. D., LD, Bus Se Kernedy, Bernice, UD, LA Corvallis Kerr, Genieve, UD, LA Corvallis Kerr, Hollis E, LD, Eng Mt. V Kerr, John Leeds, LD, LA Se Kerschner, V, LD, Bus Se Kersten, Clinton William, LD, Bus Se Kersten, Clinton William, LD, Bus Se	eattle
Kellogg, Howard B, UD, Sci. Sci. Kellogg, Jesse I, UD, Bus. Puy Kellogg, Marlon Colle, LD, FA. Sci. Kellogg, Marlon Colle, LD, FA. Sci. Kelly, Naomi Lucile, LD, FA. Ta Kelso, Kenneth, LD, LA. Sci. Kemp, James W, LD, EE. Sci. Kendall, Julia N, LD, Ed. Sci. Kendall, Julia N, LD, Ed. Sci. Kennedy, James W, LD, Ed. Sci. Kennedy, Bernice, LD, LA. Sci. Kennedy, Bernice, LD, LA. Sci. Kennedy, Lottle Ann, LD, LA. J. Kennett, John Joseph, 3d Law. Sci. Kenyon, Geo. D, LD, Bus. Sci. Kenyon, Geo. D, LD, Bus. Sci. Kenyon, Geo. D, LD, Bus. Sci. Kery, Genieve, UD, LA. Corvallik Kerr, Hollis E, LD, Eng. Mt. V. Kerr, John Leeds, LD, LA. Sci. Kerschner, V, LD, Bus. Sci. Kersten, Clinton William, LD, Bus. Sci. Kersten, Clinton William, LD, Bus. Sci. Ketcham, Albert R, Jour. Sci. Sci. Ketcham, Albert R, Jour. Sci. Sci. Ketcham, Albert R, Jour. Sci. Ketch	eattle coma eattle eattle eattle eattle eattle eattle eattle of, of, of, eattle
Kellogg, Howard B, UD, Sci Se Kellogg, Jesse I, UD, Bus Puy Kellogg, Marion Colle, LD, FA Se Kelly, Naomi Lucile, LD, FA Se Kelly, Naomi Lucile, LD, FA Ta Kelso, Kenneth, LD, LA Se Kemp, James W, LD, EE Se Kendall, Julia N, LD, Ed Se **Kendall, Julia N, LD, Ed Se Kenin, Harry M, Grad Long I Kennedy, Bernice, LD, LA Se Kennedy, Lottle Ann, LD, LA Se Kenyon, Geo. D., LD, Bus Se **Kenyon, Geo. D., LD, Bus Se **Kepyinger, Urban A, Bus Portlan Kerr, Genieve, UD, LA Corvallis Kerr, Hollis B, LD, Eng Mt. V Kerr; John Leeds, LD, LA Se Kersigan, Lillie, LD, FA Se Kersten, Clinton William, LD, Bus Se Kersten, Clinton William, LD, Bus Se Ketcham, Albert R, Jour Se Ketcham, Laura, UD, LA Se	eattle coma eattle cattle
Kellogg, Howard B, UD, Sci. Sci. Kellogg, Jesse I, UD, Bus. Puy Kellogg, Marion Colie, LD, FA. Sci. Kellogg, Marion Colie, LD, FA. Sci. Kelly, Naomi Lucile, LD, FA. Sci. Kelso, Kenneth, LD, LA. Sci. Kemp, James W, LD, EE. Sci. Kemp, James W, LD, EE. Sci. Kemp, James W, LD, EE. Sci. Kemp, James W, LD, Ed. Sci. Kennedy, Lottle Ann, LD, LA. Sci. Kennedy, Lottle Ann, LD, Bus. Sci. Kennedy, Lottle Ann, LD, Bus. Sci. Kennedy, Lottle Ann, LD, Bus. Sci. Kennedy, Lottle Ann, LD, Eus. Sci. Kennedy, Lottle Ann, LD, Eus. Sci. Kersten, Up, LA. Sci. Kersten, Clinton William, LD, Bus. Sci. Ketcham, Leura, UD, LA. Sci. Ketcham, Leura, UD, LA. Sci. Ketcham, Leland Hoskins, LD, LA. Sci. Ketcham, Leland Lottle Lattle Lattle Lattle Lattle Lattle Lattle Lattle Lattle L	eattle coma eattle eattle eattle eattle fattle fattle fattle for eattle d, O eattle
Kellogg, Howard B, UD, Sci	eattle cattle
Kellogg, Howard B. UD, Sci	sattle allup sattle sat
Kellogg, Howard B, UD, Sci	contine allup partie coma cartie cart
Kellogg, Howard B, UD, Sci Se Kellogg, Jesse I, UD, Bus Puy Kellogg, Marion Colle, LD, FA Se Kelly, Naomi Lucile, LD, FA Se Kelly, Naomi Lucile, LD, FA Ta Kleso, Kenneth, LD, LA Se Kemp, James W, LD, EE Se Kendall, Julia N, LD, Ed Se Kendall, Julia N, LD, Ed Se Kendall, Ver T, LD, Bus Se Kenia, Harry M, Grad Long F Kennedy, Bernice, LD, LA Se Kennedy, Bernice, LD, LA Se Kennedy, Hottle Ann, LD, LA Se Kennedy, Lottle Ann, LD, LA Se Kennedy, Lottle Ann, LD, LA Se Kennedy, John Joseph, 3d Law Se Kennedy, Lottle Ann, LD, Bus Se Kennedy, LD, LD, Bus Se Kennedy, LD, LD, Eng Mt. V Kerr, Genieve, UD, LA Corvallik Kerr, Genieve, UD, LA Corvallik Kerr, Hollis E, LD, Eng Mt. V Kerr, John Leeds, LD, LA Se Kersten, Clinton William, LD, Bus. Se Kersten, Clinton William, LD, Bus. Se Ketcham, Laura, UD, LA Se Ketcham, Leland Hoskins, LD, LA Se Ketcham, Leland Hoskins, LD, LA Se Ketcham, Kellizabeth E, LD, LA Se Ketcham, Harmon Rdward, Grad Sellin Keves, Donald C, LD, Sci Bellin Keves, Harmon Rdward, Grad	cattle allup cattle cat
Kellogg, Howard B, UD, Sci. Sci. Kellogg, Jesse I, UD, Bus. Puy Kellogg, Marlon Colle, LD, FA. Sci. Kellogg, Marlon Colle, LD, FA. Sci. Kelly, Naomi Lucile, LD, FA. Ta Kelso, Kenneth, LD, LA. Sci. Kemp, James W, LD, EE. Sci. Kemp, James W, LD, EE. Sci. Kemdall, Julia N, LD, Ed. Sci. Kennedall, Ver T, LD, Bus. Sci. Kennedy, Bernice, LD, LA. Sci. Kennedy, Bernice, LD, LA. Sci. Kennedy, Lottle Ann, LD, LA. Sci. Kennett, John Joseph, 3d Law. Sci. Kernett, John Leeds, LD, LA. Corvallist Kerr, Hollis B, LD, Eng. Mt. V. Kerr, John Leeds, LD, Eng. Mt. V. Kerr, John Leeds, LD, LA. Sci. Kerschner, V, LD, Bus. Sci. Kerschner, V, LD, Bus. Sci. Ketcham, Leland Hoskins, LD, LA. Sci. Ketchum, Leland Hoskins, LD, LA. Sci. Ketchum, William Rabun, LD, Bus. Sci. Bellin Keyes, Harmon Edward, Grad. Sci. Bellin Keyes, Howard G, LD, Sci. Bellin Keyes, Howar	pattie allupeattie coma cattie
Kellogg, Howard B, UD, Sei Se Kellogg, Jesse I, UD, Bus Puy Kellogg, Marion Colle, LD, FA Se Kelly, Naomi Lucile, LD, FA Se Kelly, Naomi Lucile, LD, FA Se Kelly, Naomi Lucile, LD, FA Ta Kelso, Kenneth, LD, LA Se Kemp, James W, LD, EE Se Kendall, Julia N, LD, Ed Se Kendall, Julia N, LD, Ed Se Kenin, Harry M, Grad Long I Kennedy, Bernice, LD, LA Se Kennedy, Bernice, LD, LA Se Kennedy, Lottle Ann, LD, LA Se Kenyon, Geo. D., LD, Bus Se Kenyon, Geo. D., LD, Sus Se Kersen, Chilis B, LD, Eng Mt. V Kerr, Genieve, UD, LA Se Kersten, Clinton William, LD, Bus. Se Kersten, Clinton William, LD, Bus. Se Ketcham, Leura, UD, LA Se Ketcham, Leland Hoskins, LD, LA Se Ketcham, Leland Hoskins, LD, LA. Se Ketcham, Leland Hoskins, LD, LA. Se Ketcham, Elland Rabun, LD, Bus. Se Kettenring, Elizabeth E, LD, LA. Vanc Keyes, Howard C, LD, Sci Bellin Keyes, Horward C, LD, Sci Bellin Keyes, Howard C, LD, Sci Bellin Lalie.	sattle allup coma attle cattle
Kellogg, Howard B, UD, Sci. Sci. Kellogg, Jesse I, UD, Bus. Puy Kellogg, Marlon Colle, LD, FA. Sci. Kellogg, Marlon Colle, LD, FA. Sci. Kelly, Naomi Lucile, LD, FA. Ta Kelso, Kenneth, LD, LA. Sci. Kemp, James W, LD, EE. Sci. Kennedy, Lottle Ann, LD, LA. Sci. Kerned, Geo. D. LD, Bus. Sci. Kerned, Lillis E, LD, LA. Sci. Kerrigan, Lillie, LD, EA. Sci. Kerschner, V, LD, Bus. Sci. Sci. Bellin Keyes, Donald C, LD, Sci. Bellin Keyes, Roswell Park, LD, Sci. Bellin Keyes, Barmon Edward, Grad. Sci. Bellin Keyes, Roswell Park, LD, Sci. Bellin Keyes, Barmon Edward, Grad. Sci. Bellin Keyes, Barmon Edwa	cattle allup cattle cat
Kellogg, Howard B, UD, Sei. Se Kellogg, Jesse I, UD, Bus. Puy Kellogg, Marlon Colle, LD, FA. Se Kellog, Marlon Colle, LD, FA. Se Kelly, Naomi Lucile, LD, FA. Ta Kelso, Kenneth, LD, LA. Se Kemp, James W, LD, EE. Se Kemp, James W, LD, EE. Se Kendall, Julia N, LD, Ed. Se Kendall, Julia N, LD, Ed. Se Kenin, Harry M, Grad. Long E Kennedy, Bernice, LD, LA. Se Kennedy, Lottle Ann, LD, LA. UKennett, John Joseph, 3d Law. Se Kenyon, Geo. D., LD, Bus. Se Kenyon, Geo. D., LD, LA. Corvallik Kerr, Hollis B, LD, Eng. Mt. V. Kerr, Genieve, UD, LA. Corvallik Kerr, Hollis B, LD, Eng. Mt. V. Kerr, John Leeds, LD, LA. Se Kerschmer, V, LD, Bus. Se Kersten, Clinton William, LD, Bus. Se Ketcham, Leland Hoskins, LD, Bus. Se Ketcham, Leland Hoskins, LD, LA. Se Ketcham, William Rabum, LD, Bus. Se Ketcham, Leland Hoskins, LD, LA. Se Ketcham, William Rabum, LD, Bus. Se Ketcham, Selizabeth E, LD, LA. Vanc Keyes, Harmon Edward, Grad. Se Keyes, Howard O, LD, Sci. Bellin Keyes, Harmon Edward, Grad. Se Marten Medical	cattle allup cattle cat
Kellogg, Howard B, UD, Sci. Sci. Kellogg, Jesse I, UD, Bus. Puy Kellogg, Marlon Colle, LD, FA. Sci. Kellogg, Marlon Colle, LD, FA. Sci. Kelly, Naomi Lucile, LD, FA. Ta Kelso, Kenneth, LD, LA. Sci. Kemp, James W, LD, EE. Sci. Kemp, James W, LD, Ed. Sci. Kemp, James W, LD, Ed. Sci. Kennedy, Lottle Ann, LD, Ed. Sci. Kennedy, Lottle Ann, LD, LA. Sci. Kenpinger, Urban A, Bus. Portlan Kerr, Genieve, UD, LA. Corvalli Kerr, Hollis E, LD, Eng. Mt. V. Kerr, John Leeds, LD, LA. Sci. Kertcham, Lille, LD, FA. Sci. Kersten, Clinton William, LD, Bus. Sci. Ketcham, Leland Hoskins, LD, LA. Sci. Ketcham, Leland Hoskins, LD, LA. Sci. Ketcham, Leland Hoskins, LD, LA. Sci. Ketcham, William Rabun, LD, Bus. Sci. Ketcham, Harmon Edward, Grad. Sci. Bellin Keys, Anna, LD, LA. Sci. Bellin Keys, Roswell Park, LD, Sci. Bellin Keys, Anna, LD, LA. Sci. Bellin Keys, Ranga, LD, LA. Sci. Bellin Keys, Anna, LD, LA. Sci. Sci. Bellin Keys, Anna, LD, LA. Sci. Sci. Bellin Keys, Anna, LD, LA. Sci. Bellin Keys, Anna, LD, LA. Sci. Sci. Sci. Sci. Sci. Sci. Bellin Keys, Anna, LD, LA. Sci. Sci. Sci. Sci. Sci. Sci. Sci. Sci	cattle allup eattle coma attle cattle
Kellogg, Howard B, UD, Sci	antile allup actile act
Kellogg, Howard B. UD, Sci. Sci. Sci. Sci. Sellogg, Jesse I, UD, Bus. Puy Kellogg, Marlon Colle, LD, FA. Sekelly, Naomi Lucile, LD, FA. Sci. Sci. Sci. Sci. Sci. Sci. Sci. Sci	attie allup attie allup attie coma attie attie coma attie attie de attie de attie de attie de attie cattie
Kellogg, Howard B, UD, Sci. Sci. Kellogg, Jesse I, UD, Bus. Puy Kellogg, Marlon Colle, LD, FA. Sci. Kellogg, Marlon Colle, LD, FA. Sci. Kelly, Naomi Lucile, LD, FA. Ta Kelso, Kenneth, LD, LA. Sci. Kemp, James W, LD, EE. Sci. Kenneth, LD, LA. Sci. Kenneth, Julia N, LD, Ed. Sci. Kenneth, Julia N, LD, Ed. Sci. Kenneth, Bernice, LD, LA. Sci. Kennedy, Bernice, LD, LA. Sci. Kenneth, John Joseph, 3d Law. Sci. Kenneth, John Joseph, 3d Law. Sci. Kenyon, Geo. D. LD, Bus. Sci. Kenyon, Geo. D. LD, Bus. Sci. Kenyon, Geo. D. LD, Eng. Mt. V. Kerr, Genieve, UD, LA. Corvallis Kerr, Hollis B, LD, Eng. Mt. V. Kerr, John Leeds, LD, LA. Sci. Kerschner, V, LD, Bus. Sci. Kerschner, V, LD, Bus. Sci. Kerschner, V, LD, Bus. Sci. Kerscham, Albert R, Jour. Sci. Ketcham, Leland Hoskins, LD, LA. Sci. Ketcham, Leland Hoskins, LD, LA. Sci. Ketcham, Leland Hoskins, LD, LA. Sci. Ketcham, Leland Hoskins, LD, Bus. Sci. Bellin Keyes, Harmon Edward, Grad. Sci. Bellin Keyes, Roswell Park, LD, Sci. Bellin Keyes, Anna, LD, LA. Sci. Kianholz, Mabel Lucile, Unc. FA. Spillaburts, G. Harold, LD, EE. Sci. Kief, C. W, LD, CE. Sci. Sci. Sci. C. C. W, LD, CE. Sci. Sci. Sci. C. C. W, LD, CE. Sci. C. Sci. C. C. W, LD, CE. Sci. C. Sci. C. C. W, LD, CE. Sci. C. C. W, LD, CE. Sci. C. C. W, LD, CE. Sci. C. Sci. C.	antile allup attile allup attile coma attile coma attile cattile catti
Kellogg, Howard B. UD, Sci	cattle allup attie allup attie coma cattle cokane
Kellogg, Howard B, UD, Sci. Sci. Kellogg, Jesse I, UD, Bus. Puy Kellogg, Marlon Colle, LD, FA. Sci. Kellogg, Marlon Colle, LD, FA. Sci. Kelly, Naomi Lucile, LD, FA. Ta Kelso, Kenneth, LD, LA. Sci. Kemp, James W, LD, EE. Sci. Kemp, James W, LD, EE. Sci. Kemdall, Julia N, LD, Ed. Sci. Kennedy, Lottle Ann, LD, LA. Sci. Kennedy, Bernice, LD, LA. Sci. Kennedy, Lottle Ann, LD, LA. Sci. Kennedy, Lottle Ann, LD, LA. Sci. Kennett, John Joseph, 3d Law. Sci. Kennett, John Joseph, 3d Law. Sci. Kenyon, Geo. D. LD, Bus. Sci. Sci. Melpinger, Urban A, Bus. Portlan Kerr, Genieve, UD, LA. Corvallis Kerr, Hollis B, LD, Eng. Mt. V. Kerr, John Leeds, LD, LA. Sci. Kerschner, V, LD, Bus. Sci. Kerschner, V, LD, Bus. Sci. Sci. Sci. Melpinger, Leland Hoskins, LD, LA. Sci. Ketcham, Leland Hoskins, LD, LA. Sci. Ketcham, Leland Hoskins, LD, LA. Sci. Sci. Bellin Keyes, Anna, LD, LA. Sci. Bellin Keyes, Roswell Park, LD, Sci. Bellin Keyes, Roswell Park, LD, Sci. Bellin Keyes, Roswell Park, LD, Bus. Sci. Bellin Keyes, Anna, LD, La. Sci. Bellin Keyes, Anna, LD, LD, Bus. Sci. Bellin Keyes, Loon Edward, UD, Sci. Sp. Sci. Bellin Company Co	cattle allup attle coma attle cattle
Kellogg, Howard B. UD, Sci. Sci. Kellogg, Jesse I, UD, Bus. Puy Kellogg, Marion Colic, LD, FA. Se Kellog, Nami Lucile, LD, FA. Se Kelly, Naomi Lucile, LD, FA. Se Kelly, Naomi Lucile, LD, FA. Se Kelly, Naomi Lucile, LD, FA. Se Kemp, James W, LD, EE. Schemp, James W, Grad. Long E. Kennedy, Bernice, LD, LA. Schemedy, Lottle Ann, LD, LA. J. Kennett, John Joseph, 3d Law. Schemedy, Lottle Ann, LD, LA. J. Kennett, John Joseph, 3d Law. Schempinger, Urban A, Bus. Portlan Kerr, Hollis B, LD, Eng. Mt. V. Kerr, John Leeds, LD, LA. Schercham, Lille, LD, FA. Schercham, Lille, LD, FA. Schetcham, Leland Hoskins, LD, Bus. Schetcham, Leland Hoskins, LD, Bus. Schetcham, Leland Hoskins, LD, LA. Schetcham, Leland Hoskins, LD, LA. Schetchum, William Rabun, LD, Bus. Schetchum, Keyes, Harmon Edward, Grad. Scheyes, Howard O, LD, Sci. Bellin Keyes, Anna, LD, LA. Scheburtz, G Harold, LD, EE. Scheburtz, G Harold, LD, ES. Sp. Kiesel, Anne Teresia, LD, FA. Buth Kidder, Perry E, LD, Sci. Sp. Kiesel, Anne Teresia, LD, FA. Buth Kidder, Perry E, LD, Sci. Sp. Kiesel, Anne Teresia, LD, FA. Buth Kidder, Perry E, LD, Sci. Sp. Kiesel, Anne Teresia, LD, FA. Buth Kidder, Perry E, LD, Sci. Sp. Kiesel, Anne Teresia, LD, FA. Buth Kidder, Perry E, LD, Sci. Sp. Kiesel, Anne Teresia, LD, FA. Buth Kidder, Perry E, LD, Sci. Sp. Kiesel, Anne Teresia, LD, FA. Buth Kidder, Perry E, LD, Sci. Sp. Kiesel, Anne Teresia, LD, FA. Buth Kidder, Perry E, LD, Sci. Sp. Kiesel, Anne Teresia, LD, FA. B	cattle allup attle command attle cattle catt
Kellogg, Howard B. UD, Sci. Sci. Kellogg, Jesse I, UD, Bus. Puy Kellogg, Marlon Colle, LD, FA. Sci. Kellogg, Marlon Colle, LD, FA. Sci. Kelly, Naomi Lucile, LD, FA. Ta Kelso, Kenneth, LD, LA. Sci. Kemp, James W, LD, EE. Sci. Kennedy, Lottle Ann, LD, Ed. Sci. Kennedy, Lottle Ann, LD, LA. Sci. Kenpinger, Urban A, Bus. Fortlan Kerr, Genieve, UD, LA. Corvallik Kerr, Hollis E, LD, Eng. Mt. V. Kerr, John Leeds, LD, LA. Sci. Kertcham, Lillis E, LD, LA. Sci. Kersten, Clinton William, LD, Bus. Sci. Ketcham, Leland Hoskins, LD, LA. Sci. Ketchum, William Rabun, LD, Bus. Sci. Ketchum, William Rabun, LD, Bus. Sci. Ketchum, William Rabun, LD, LA. Sci. Ketchum, William Rabun, LD, LA. Sci. Ketchum, William Rabun, LD, LA. Sci. Ketchum, William Rabun, LD, Bus. Sci. Bellin Keyes, Roswell Park, LD, Sci. Bellin Keyes, Roswell Park, LD, Sci. Bellin Keyes, Roswell Park, LD, Bus. Sci. Sci. Miebutz, G Harold, LD, EE. Sci. Kiebnts, G Harold, LD, EE. Sci. Sci. Bellin Keyes, Anna, LD, LO, EE. Sci. Sci. Bellin Keyes, Anna Teresia, LD, FA. Spi. Sci. Bellin Keider, Perry E, LD, Sci. Sci. Bellin Kidder, Perry E, LD, Sci. Sci. Scilbourne, Carelton, LD, ME. Sci. Sci. Bellin Kilbourne, Carelt	cattle commander at the cattle cokane cattle cattle cokane cattle
Kamm, Edward John, Unc, LA. Ly. Kane, Arthr T. UD, ME	contact and the contact and th

Kimura, Koreaki, LD, LA.....Seattle Kincaid, Frederick Marshall, 3d Law. Palouse

**Kreishar, Harold C, LD. BusSeattle
Krengel, Walter F. LD. LASeattle
Kretschmann, Herbert F. LD. LA. Seattle
Krieger, Bernice R, UD. LAPortland, Or
Krieger, Geo Edwrd, UD, EESeattle
Krieger, Joseph E, UD, BusSpokane
Krogstad, Elva, UD, LASeattle
Krogstad, Gladys, LD, LASeattle
Kronfield, Eugenia, Unc, BusSeattle
Krueger, Karl Francis, LD, BusSeattle
Krull, Louis, LD, EETacoma
Krull, Walter, LD, EngTacoma
Krum, Carolyn Russell, LD, BusSpokane
Kruse, Henry Ross, UD, EE Senttle
Kuebler, Ada Dorothy, UD, Sci Seattle
Kuchnert, J F. LD, BusSeattle
Kuhefuss, Mildred, LD, BusWenatchee
Kuhn, Edwin E, LD, BusSpokane
Kullberg, LeRoy George, LD, FASeattle
Kumblad, William Gustav, LD, ChE Seattle
Kunz, Eugene L, LD, BusSeattle
**Kunz, Samuel W. LD, EESeattle
Kuwahara Tosak Carl, Unc, SciJapan
Kuykendall, Lenore, UD, SciOlympia
Kvindlog, Dorothy, LD, FABothel
Kwok, Ping-Chin, UD, BusChina
Kylstra, John, UD, CEPortland, Ore
Winter John, OD, OBPortiand, Ole

Lavery, Earl Jewell, LD, Phar.....Seattle LaVigne, Naomi, LD, LA.....Seattle LaViolette, Doris W, 1st Law....Bremerton **Law, Charles H, Sp, Law......Seattle Lawdahl, William C, UD, Bus. Des Moines, I
Lawrence, Henry, Unc. Phar ... Seattle
Lawson, Gay Lillian, UD, Ed. .. Seattle
Lawson, Maurice W, Grad ... Blanchard
Lawson, Thomas S, LD, LA. ... Spokane
Lawton, Winona May, LD, Bus ... Seattle
Law-Yow, Rose, LD, FA. ... Seattle
Lea, Dorothy M, LD, LA ... Spokane
Leaf, Alice, UD, Ed. ... Seattle
Lea, Dorothy M, LD, LA ... Seattle
Lease, Howard S, UD, Bus. Great Falls, Mt
Leavers, Luke Leroy, Unc. FA. ... Wenntchee
Leavitt, Darrell G, LD, Sci. Sedro-Woolley
LeCocq, Charles Edward, LD, CE. .. Lynden
Lecocq, Edward Anthony, LD, LA ... Lynden
Lee, Agnes J, LD, Sci. ... Seattle
Lee, Edith Chalcroft, LD, LA ... Seattle
Lee, Edith Chalcroft, LD, LA ... Seattle
Lee, Brank A, UD, Sci. ... Seattle
Lee, Mrs Judith, LD, LA ... Seattle
Lee, Mrs Judith, LD, LA ... Seattle
Lee, Houlsa, Grad ... Seattle
Lee, Robert James, UD, EE ... Enumclaw
Leeper, Agnes, LD, Bus ... Seattle
Leeper, Helen Gertrude, LD, LA ... Seattle
Leey, Harold Drelle, LD, Bus ... Seattle
Legg, Emily, UD, LA ... Seattle
Legg, Emmett J, UD, CE ... Seattle
Legg, Herschel Dent, CE ... Four Lakes
Ledg, Raymond C, LD, EE ... Seattle
Lelse, John Frederic, LD, Sei ... Seattle
Lelser, Mary S, LD, LA ... Spokane
Lelli, Seraphin, Unc, Bus ... Puyallup
Leithead, Donald B, LD, Sci ... Seattle
Lelser, Mary S, LD, LA ... Spokane
Lelli, Seraphin, Unc, Bus ... Puyallup
Leithead, Donald B, LD, Sci ... Seattle
Lenon, Ruth B, LD, LA ... Seattle
Lenon, Raward Henry, LD, Fish ... Tacoma
Lemon, Harry E, UD, For ... Seattle
Leon, Edward Henry, LD, Fish ... Tacoma
Lemon, Harry E, UD, For ... Seattle
Levis, Katherine J, Grad ... Seattle
Levis, Roy, H Wade, LD, For ... Seattle
Levis, Edith, UD, Bus ... Spokane
Levison, Jack Jerome, LD, LA ... Seattle
Levis, Edith, UD, Bus ... Spokane
Levis, Edith, UD, Bus ... Spokane
Levison, Herbert, LD, Bus ... Spokane
Levison, Herbert, LD, Bus ... Spokane
Levison, Herbert, LD, Bus ... Spokane
Levis, Edith, UD, Bus ... Spokane
Levis, Edith, UD, Bus ... Seattle
Lewis, Eleen, LD, Sci ... Twin Falls, tide
L

Lewis, Sara, LD, BusCoulee City
Li, Chia-Chi. UD, LAChina
Licorenko, A, LD, EERussia
Lien, Laura E, UD, BusBremerton
Lies, Margaret, UD, LAWaterville
Lightia Otto Cuthbart I.D. Rus Contile
Lillis, Dan Custer, LD, METacoma
Lillis, Jack, LD, LA Wenatchee
Lim, James Kimkok, LD, BusChina
Lincoln, Roland L. LD, EE Seattle
Lind Harry Millam, LD, LASeattle
Lindberg, Martha, LD, LATacoma
Lindberg, Ruby C, UD, BusSeattle
Lindblom, Roy E, UD, EESeattle
Lindholt, Alfred, LD, LASeattle
Lindner, Isabel, LD, LASeattle
Lindsey Mercery Alice ED Tour Scottle
Lindsay, Mazie P. UD. BusSeattle
Lindsey C Abbott, Unc. LawSeattle
Linklater, Ruth Margaret, UD, LA. Seattle
Lingo, George A, LD, Eng Seattle
Linn, Harold Adolphus, LD, LASeattle
Linny Feve LD Rug Souttle
Linshutz, Olivia, LD, LAPortland, Or
Lipsky, Beth, LD, LASeattle
Lister, Violet, LD, EdPrineville, Or
Liston, Edward John, LD, LAOrillia
Liston, James G, UD, LA
Little. Dorothy Vernon. Grad Seattle
Little, Earle B. LD. BusChelan
Little, G F, LD, ChE N Westminster, BC
Little, Herbert S, 2nd LawSeattle
Little, Jane Elizabeth, LD, LATacoma
Littlefield Dorothy IID LA Seattle
Littlefield, Lena, Unc. FASeattle
Littlefield, Waldo, LD, BusSeattle
Lively, James W, LD, EEPortland, Or
Lloyd. Helen Agatha. LD. FA Seattle
Lloyd, Katherine, LD, ChESeattle
Lloyd, Percy, LD. BusEverett
Loacker, W J, LD, LASeattle
Lochte, William A. Unc EESeattle
Lockerby, Desiah, UD, LASeattle
Lockerby Frank M. UD, JourSeattle
Locknart, Bert, LD, Bus
Ler. Lawrence Frank. IID. Bus Seattle
Loewer, Charles H, LD, BusSeattle
Logg, Frank S, UD, BusSeattle
Loken. Leo W. LD. BusEverett
7 1 3 7 7 71
Lombard, Dean, LD, FASeattle
Lombard, Dean, LD, FA Seattle Lombardine, Herbert C, LD, Bus Seattle Longran, Thyra, LD, LA Seattle
Lombard, Dean, LD, FA
Lombard, Dean, LD, FA
Lombard, Dean, LD, FA Seattle Lombardine, Herbert C, LD, Bus Seattle Lonergan, Thyra, LD, LA Seattle Long, Arthur E, Spec Kirkland Long, James Glenn, Sp. Eng Seattle Long, Louise Lyons, LD, Bus Seattle
Lombard, Dean, LD, FA Seattle Lombardine, Herbert C, LD, Bus Seattle Lonergan, Thyra, LD, LA Seattle Long, Arthur E, Spec Kirkland Long, James Glenn, Sp. Eng Seattle Long, Louise Lyons, LD, Bus Seattle Long, Paul M, LD, Sci
Lombard, Dean, LD, FA. Seattle Lombardine, Herbert C, LD, Bus. Seattle Lonergan, Thyrs, LD, LA. Seattle Long, Arthur E, Spec. Kirkland Long, James Glenn, Sp, Eng. Seattle Long, Joulse Lyons, LD, Bus. Seattle Long, Paul M, LD, Sci Loomis, Glee Anette, LD, LA. Spokane Loomis, Minerya U, Grad. Seattle
Lombard, Dean, LD, FA
Lombard, Dean, LD, FA
Lombard, Dean, LD, FA
Lombard, Dean, LD, FA. Seattle Lombardine, Herbert C, LD, Bus. Seattle Lonergan, Thyra, LD, LA. Seattle Long, Arthur E, Spec. Kirkland Long, James Glenn, Sp. Eng. Seattle Long, Louise Lyons, LD, Bus. Seattle Long, Paul M, LD, Sci. Seattle Long, Paul M, LD, Sci. Seattle Loomis, Glee Anette, LD, LA. Spokane Loomis, Minerva U, Grad. Seattle Lopex, Russell E, LD, Bus. Chicago, Ill "Lopp, Dwight T, UD, FA. Seattle Lopp, Irene, LD, FA. Seattle Lorah, James R, Grad. Seattle Lorah, Mrs Marlan, LD. Sci. Seattle
Lombard, Dean, LD, FA
Lombard, Dean, LD, FA
Lombard, Dean, LD, FA. Seattle Lombardine, Herbert C, LD, Bus. Seattle Lonergan, Thyra, LD, LA. Seattle Long, Arthur E, Spec. Kirkland Long, James Glenn, Sp, Eng. Seattle Long, Louise Lyons, LD, Bus. Seattle Long, Paul M, LD, Sci Loomis, Glec Anette, LD, LA. Spoknne Loomis, Minerva U, Grad. Seattle Lopes, Russell E, LD, Bus. Chicago, Ill "*Lopp, Dwight T, UD, FA. Seattle Lopp, Irene, LD, FA. Seattle Lorah, James R, Grad. Seattle Lorah, Mrs Marian, LD, Sci. Seattle Lorenz, Norma E, UD, Sci. Seattle Lorenz, Crescent, UD, LA. Tacoma Loughary, Jack B, LD, Bus. Sedro-Woolley
Lombard, Dean, LD, FA. Seattle Lombardine, Herbert C, LD, Bus. Seattle Lonergan, Thyra, LD, LA. Seattle Long, Arthur E, Spec. Kirkland Long, James Glenn, Sp, Eng. Seattle Long, Louise Lyons, LD, Bus. Seattle Long, Paul M, LD, Sci Loomis, Glee Anette, LD, LA. Spoknne Loomis, Minerva U, Grad. Seattle Lopez, Russell E, LD, Bus. Chicago, Ill "Lopez, Russell E, LD, FA. Seattle Lopp, Irene, LD, FA. Seattle Lopp, Irene, LD, FA. Seattle Lorah, James R, Grad. Seattle Lorah, James R, Grad. Seattle Lorah, Mrs Marian, LD, Sci. Seattle Lorenz, Crescent, UD, LA. Tacoma Loughary, Jack B, LD, Bus. Sedro-Woolley Loughlen, Paul Egbert, LD, Bus. Puyallup Love, Elizabeth J, UD, Sci. Tacoma
Lombardi, Dean, LD, FA
Lewis, Sara, LD, Bus

Low, Josephine, LD, Sci... Dayton
Low, Mellie, UD, LA... Dayton
Lowe, Ben F, UD, Ed... Tacoma
Lowe, Grace Pearle, LD, LA... Mt Vernon
Lower, Paul Russell, LD, EE... Wellington
Lowman, Vivien Guy, LD. LA. Seattle
Luccas, Marian, LD, LA. Seattle
Luccas, Marian, LD, LA. Seattle
Luccas, Marian, LD, LA. Seattle
Luccas, Martha, UD, LA. Sheridan, Or
Ludwig, Frnest M, LD, LA. Sheridan, Or
Ludwigs, Frank H, UD, Bus. Walla Walla
Luft, Max, LD, MB. Bremerton
Lukens, Frederick, LD, Eng. Missoula, Mont
Lund, John G, LD, LA. Seattle
Lund, John V, LD, LA. Seattle
Lund, John V, LD, LA. Seattle
Lund, Walter William, UD, FA. Seattle
Lundell, Signe A, LD, LA. North Bend
Lundell, Berger F, UD, Lib. Issaquah
Lundstrum, Allam Winston, UD, EE. Yakima
Lundell, Signe A, LD, LA. Seattle
Lurie, David, LD, ChB. Seattle
Lurie, Manuel, LD, LA. Seattle
Lurie, Miriam, UD, Sci. Seattle
Lurie, Miriam, UD, Sci. Seattle
Lyon, Hasbelle Rels, UD, Sci. Yakima
**Lycette, John Philip, LD, LA. Seattle
Lynch, Joseph H, Bus. Bonners Ferry
Lynch, Joseph H, Bus. Bonners Ferry
Lynch, Joseph H, Bus. Bonners Ferry
Lynch, Julia, LD, LA. Seattle
Lyon, Henry A, UD, Jour. Seattle
Lyon, Henry A, UD, Jour. Seattle
Lyon, Henry A, UD, LA. Seattle
Lyter, Dorothy, LD, LA. Seattle
Lyter, Dorothy, LD, LA. Seattle

MacAdams, William B, Unc, Bus... Seattle MacAdams, William B, Unc, Bus... Seattle MacAdams, Gordon A, LD, Bus... Seattle MacAdams, Gordon A, LD, Bus... Seattle MacClain, A Lewis, Grad... Seattle MacClonald, G. Eora, LD, LA... Seattle MacDonald, G. Eora, LD, LA... Hoqulam MacDonald, Gordon, LD, LA... Hoqulam MacDonald, Helen O, LD, Ed... Seattle MacDonald, Margaret Ruth, LD, Ed. Seattle MacDonald, Margaret Ruth, LD, Ed. Seattle MacDonald, Vernon B, UD, CE. Somers, Mt Macfarlane, Wrs Carrie, LD, Sci. Seattle MacDonald, Vernon B, UD, CE. Somers, Mt Macfarlane, Mrs Carrie, LD, Sci. Seattle MacGarlane, Margretta, LD, LA... Seattle Macfarlane, Margretta, LD, LA... Seattle Macfarlane, Margretta, LD, LA... Seattle MacKensie, Robert G, LD, CE... Everett MacKensie, Robert G, LD, CE... Everett MacKensie, R. L. UD, EB. Vennouver, BC MacKinnon, Donald L, LD, Eng. Juneau, Ala MacLean, Duncan G, LD, Eng. Spakan, MacLefferty, Taylor D, LD, ME. Tenno MacNair, Jay, LD, Bus... Seattle MacNaughton, Edwin L, LD, Min. Seattle MacNaughton, Edwin L, LD, Min. Seattle MacNaughton, Edwin L, LD, Bus... Seattle MacNaughton, Dorothy C, LD, FA. Seattle MacPherson, Fraser K, UD, Bus. Seattle MacPherson, Fraser K, UD, Bus. Seattle MacPherson, Fraser K, UD, Bus. Seattle MacComber, Hazel, LD, Sci. Hanford Madden, Ned D, LD, Bus. Caldwell, Ida Mades, Jaklen, LD, Bus. Caldwell, Ida Mades, Jaklen, LD, Ed. Seattle Magill, Fulton, UD, Min. Tacoma Maginnis, William J, LD, Bus. Seattle

Magnuson, Clarence E. UD. Bus	Tacoma
Magnuson, Freeman G. LD, Bus. P	t Roberts
Magnusson, G Alfred, Grad	. Seattle
Mahaffey, Audley, UD, LA	. Tacoma
Mahl, Alvina M, LD, Bus	Seattle
Mahnken, Henry H, LD, Sci	Seattle
Malakoff, Abe, UD, Phar	Seattle
Malloy, Kathleen J. IID, Ed.	Mannatta
Maloney, Gilbert M. UD. Sci	Everett
Manard, Lucille A, LD, LA	Seattle
Manchester, Arlow Rex, LD, For.	Almira
Mangela Hong LD WA	aitippines attia
Manion, Harold, LD, LA.	Seattle
Manley, Marion, LD, LA	Tacoma
Manlucu, Alfonso, LD, EE P	hilippines
Mann, Harold N. LD, LA. Concord	lia, Kans
Manning Edward LD Rus	Hvorott
Manning, Harold C. LD. EE	Seattle
Manny, Mary A, UD, Sci	Seattle
Mansfield, Allan H, LD, Sci	Everett
Mansur, Howard, Unc, EngE	Hensburg
Manes, Carl H. UD. I.A.	Senttle
Marchand, Leslie A. UD. LA	Seattle
Mardon, T Allen, UD, EE	Seattle
Marino, Frank, LD, Fish	Scattle
Marion, Armond W. I.D. Bus	. Yakima
Maris, Dorothy, LD, LA	Seattle
Markewitz, Ernest, LD, LA. Port	land, Or
Markey, John, LD, Bus	Seattle
Markham, Blanche E, UD, Ed	Seattle
Markugan Grace K T.D T.A	na, Unio
Marling, Samuel Earle, UD, For.	Seattle
Marquette, Elizabeth, Grad	Seattle
Marquirez, Juanito, LD, Phar. Pl	keniggilid
Marquis, Harold H, UD, Jour	.Everett
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott. Geo T. UD. Bus.	.Everett
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Mars, Annice R, LD, LAS	.Everett .Everett .Seattle nohomish
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Mars, Annice R, LD, LA Marsh, Earl R, LD, LA	.Everett .Everett .Seattle nohomish ancouver
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Mars, Annice R, LD, LA S Marsh, Earl R, LD, LA S Marsh, Eugene E, Ist Law Mot.	.Everett .Everett .Seattle nohomish ancouver olius, Or
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Mars, Annice R, LD, LA Marsh, Earl R, LD, LA Marsh, Eugene E, 1st LawMett Marsh, Francis E, 1st LawMet Marsh, Urma L, UD, FA	.Everett .Everett .Seattle nohomish ancouver blius, Or blius, Or
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Mars, Annice R, LD, LA Marsh, Earl R, LD, LA Marsh, Eugene E, 1st LawMete Marsh, Urma L, UD, FA Marshall, Harry Leslie, LD, EB	Everett Everett Seattle nohomish ancouver olius, Or olius, OrDryadSeattle
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Mars, Annice R, LD, LA S Marsh, Earl R, LD, LA S Marsh, Eugene E, 1st LawMet Marsh, Francis E, 1st LawMet Marsh, Urma L, UD, FA Marshall, Harry Leslie, LD, EB Marshall, Roy S, LD, Bus	Everett Everett Seattle nohomish ancouver olius, Or olius, Or Dryad Seattle Seattle
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Mars, Annice R, LD, LA S Marsh, Earl R, LD, LA S Marsh, Earl R, LD, LA Marsh, Eugene E, Ist Law Met Marsh, Francis E, Ist Law Met Marsh, Urna L, UD, FA Marshall, Harry Leslie, LD, EE Marshall, Roy S, LD, Bus **Marshall, Thomas, Unc, Law	Everett Everett Seattle nohomish ancouver olius, Or olius, Or Dryad Seattle Seattle Deming
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Mars, Annice R, LD, LA S Marsh, Earl R, LD, LA S Marsh, Eugene E, Ist LawMet Marsh, Vrna L, UD, FA Marshall, Harry Leslie, LD, EE Marshall, Roy S, LD, Bus **Marshall, Thomas, Unc, Law Martens, Aleda, LD, Phar Martin, Harold Martis, UD, Pro.	Everett Everett Seattle Seattle olius, Or olius, Or Dryad Seattle Seattle Seattle
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Mars, Annice R, LD, LA N Marsh, Earl R, LD, LA N Marsh, Eugene E, 1st LawMet Marsh, Urma L, UD, FA Marshall, Harry Leslie, LD, EB Marshall, Roy S, LD, Bus *Marshall, Thomas, Unc, Law Martin, Harold Morris, UD, Bus Martin, Harold Morris, UD, Bus Martin, Leota Irene, LD, LA	Everett Everett Seattle Seattle olius, Or olius, Or Dryad Seattle
Marquis, Harold H, UD, Jour	. Everett . Everett . Seattle nohomish ancouver blius, Or olius, Or Dryad Seattle Seattle . Deming Seattle . Spokane Newport olse, Ida
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus. Mars, Annice R, LD, LA. S Marsh, Earl R, LD, LA. S Marsh, Earl R, LD, LA. S Marsh, Francis E, 1st Law. Met Marsh, Francis E, 1st Law. Met Marsh, Urna L, UD, FA. Marshall, Harry Leslie, LD, EB. Marshall, Roy S, LD, Bus. Martans, Aleda, LD, Phar Martin, Harold Morris, UD, Bus. Martin, Harold Morris, UD, Bus Martin, Morris A, Spec. B Martin, O Harry, LD, LA. B	. Everett . Everett . Seattle . Seattle . Seattle . Seattle . Oryad . Seattle . Seattle . Deming . Seattle . Spokane . Newport oise, Ida . Foster
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci	Everett Byerett Byerett Seattle nohomish ancouver blius, Or blius, Or Common Seattle Deming Seattle Spokane Newport oise, Ida Foster Parkland
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marquis, Ralph W, LD, Sci Marsi, Annice R, LD, LA S Marsi, Annice R, LD, LA S Marsh, Earl R, LD, LA S Marsh, Francis E, 1st Law Met Marsh, Urma L, UD, FA Marshall, Harry Leslie, LD, EE Marshall, Harry Leslie, LD, EE Marshall, Thomas, Unc, Law Martin, Harld Morris, UD, Bus Martin, Leota Irene, LD, LA Martin, Otto W, LD, LA Martin, Otto W, LD, LA Martin, Paul M, LD, MB Martin, Paul M, LD, MB Martin, Paul M, LD, MB	Everett Byerett Byerett Seattle nohomish ancouver clius, Or clius, Or clius, Or clius, Or Estattle Deming Seattle Spokane Newport oise, Ida Foster Parkland Puyallup
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Marriott, Geo T, UD, Bus Mars, Annice R, LD, LA S Marsh, Earl R, LD, LA S Marsh, Eagene E, Ist Law Met Marsh, Francis E, Ist Law Met Marsh, Urma L, UD, FA Marshall, Roy S, LD, Bus Marshall, Roy S, LD, Bus Martens, Aleda, LD, Phar Martin, Harold Morris, UD, Bus Martin, Harold Morris, UD, Bus Martin, Ceota Irene, LD, LA Martin, O Harry, LD, LA Martin, Otto W, LD, LA Martin, Paul M, LD, ME Martin, Paul M, LD, ME Martin, Paul M, LD, ME Martin, Porle F, LD, Bus V	Everett Everett Sextile Spokane Kewport olse, Ida Foster Parkland Puyallup Woodland Sextile Sextile
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci. Marriott, Geo T, UD, Bus. Marriott, Geo T, UD, Bus. Mars, Annice R, LD, LA. S Marsh, Earl R, LD, LA. S Marsh, Earl R, LD, LA. S Marsh, Francis E, 1st Law. Met Marsh, Francis E, 1st Law. Met Marsh, Francis E, 1st Law. Met Marshall, Harry Leslie, LD, EB. Marshall, Roy S, LD, Bus. Marshall, Roy S, LD, Bus. Marshall, Thomas, Unc, Law. Martens, Aleda, LD, Phar. Martin, Harold Morris, UD, Bus. Martin, Leota Irene, LD, LA. Martin, Otto W, LD, LA. Martin, Otto W, LD, LA. Martin, Paul M, LD, Ms. Martin, Paul M, LD, Ms. Martin, Rowland J, UD, LA. Martin, Rowland J, UD, LA. Masatomi, Emile, UD, LA.	Everett Everett Everett Seattle nohomish ancouver blius, Or ollius, Or Estattle Estattle Estattle Espekne Espekne Foster Parkland Puyallup Woodland Seattle Spokane
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci	Everett Everett Seattle nohomish ancouver ollus, Or ollus, Or ollus, Or Oryad Seattle Seattle Sepokane Newport olse, Ida Foster Parkland Puyallup Woodland Seattle Spokane Spokane Spokane Spokane Spokane Spokane Spokane Spokane
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marquis, Ralph W, LD, Sci Marsi, Annice R, LD, LA Mars, Annice R, LD, LA Marsh, Earl R, LD, LA Marsh, Eugene E, 1st Law Met Marsh, Urna L, UD, FA Marshall, Harry Leslie, LD, EE Marshall, Roy S, LD, Bus **Marshall, Thomas, Unc, Law Martens, Aleda, LD, Phar Martin, Harold Morris, UD, Bus Martin, Leota Irene, LD, LA Martin, Morris A, Spec Martin, Otto W, LD, LA Martin, Otto W, LD, LA Martin, Paul M, LD, MB Martin, Rowland J, UD, LA **Marshomi, Emile, UD, LA Mason, Dorothy June, LD, FA Mason, Earl C, LD, EB Bus Bus Mason, Earl C, LD, EB Bus Bus Buss Bason, Earl C, LD, EB Bus Buss Bu	Everett Everett Sextile nohomish 'ancouver sllus, Or cllus, Or Cllus, Or Deming Seattle Spokane Newport oise, Ida Fisan Farkland Seattle Spokane
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus. Marriott, Geo T, UD, Bus. Mars, Annice R, LD, LA. S Marsh, Earl R, LD, LA. S Marsh, Earl R, LD, LA. S Marsh, Eugene E, Ist Law. Met Marsh, Urma L, UD, FA. Marshall, Roy S, LD, Bus. Marshall, Roy S, LD, Bus. Marshall, Roy S, LD, Bus. Marthall, Roy S, LD, Bus. Martens, Aleda, LD, Phar. Martin, Harold Morris, UD, Bus. Martin, Leota Irene, LD, LA. Martin, Cotto W, LD, LA. Martin, O Harry, LD, LA. Martin, Paul M, LD, MB. Martin, Perle F, LD, Bus. Martin, Paul M, LD, MB. Martin, Rowland J, UD, LA. Masson, Dorothy June, LD, FA. B Mason, Dorothy June, LD, FA. B Mason, Lloyd C, LD, Bus. Be Mason, Lloyd C, LD, Bus. Be Mason, Lloyd C, LD, Bus. Be Mason, Murlel Y, UD, LIA.	. Everett . Everett . Everett . Seattle nohomish 'ancouver ollus, Or ollus, Or . Dryad . Seattle
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Mars, Annice R, LD, LA S Marsh, Earl R, LD, LA S Marsh, Earl R, LD, LA S Marsh, Francis E, 1st Law. Met Marsh, Francis E, 1st Law. Met Marsh, Francis E, 1st Law. Met Marshall, Harry Leslie, LD, EB Marshall, Roy S, LD, Bus **Marshall, Roy S, LD, Bus **Marshall, Thomas, Unc, Law. Martens, Aleda, LD, Phar Martin, Harold Morris, UD, Bus **Martin, Harold Morris, UD, Bus Martin, Morris A, Spec B Martin, Otto ID, LA Martin, Otto W, LD, LA Martin, Paul M, LD, MS Martin, Rowland J, UD, LA Masstomi, Emile, UD, LA Masson, Dorothy June, LD, FA Mason, Lioyd C, LD, Bus Be Mason, Murlel V, UD, LA Masst, Helen R, LD, LA Mast, Helen R, LD, LA	Everett Everett Everett Seattle nohomish ancouver olius, Or ollus, Or O
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci. Marriott, Geo T, UD, Bus. Mars, Annice R, LD, LA. S Mars, Annice R, LD, LA. S Marsh, Earl R, LD, LA. S Marsh, Earl R, LD, LA. S Marsh, Eugene E, Ist Law. Met Marsh, Urna L, UD, FA. Marshall, Harry Leslie, LD, EE. Marshall, Harry Leslie, LD, EE. Marshall, Thomas, Unc, Law. S Martin, Harold Morris, UD, Bus. Martin, Harold Morris, UD, Bus. Martin, Leota Irene, LD, LA. Martin, Otto W, LD, LA. Martin, Otto W, LD, LA. Martin, Perle F, LD, Bus. Martin, Perle F, LD, Bus. Mastin, Perle F, LD, EE. Mason, Earl C, LD, EE. B Mason, Earl C, LD, EE. B Mason, Hoyd C, LD, Bus. Be Mason, Murlel V, UD, LA. Masters, Agron A, LD, LA. Harri	Everett Everett Everett Seattie nohomish ancouver olius, Or olius, Or olius, Or Oryad Seattie Seattie Sepokane Newport oise, Ida Foster Parkland Puyallup Woodland Seattie Spokane
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Marriott, Geo T, UD, Bus Marriott, Geo T, UD, Bus Marsh, Earl R, LD, LA S, Marsh, Eagene E, 1st Law Met Marsh, Ernecis E, 1st Law Met Marsh, Urma L, UD, FA. Marshall, Roy S, LD, Bus Marshall, Roy S, LD, Bus Marshall, Roy S, LD, Bus Marshall, Roy S, LD, Phar Marshall, Thomas, Unc, Law Martens, Aleda, LD, Phar Martin, Harold Morris, UD, Bus Martin, Lota Irene, LD, LA Martin, Cotto W, LD, LA Martin, Paul M, LD, MB Martin, Penle F, LD, Bus Martin, Penle F, LD, Bus Marshin, Rowland J, UD, LA Masson, Earl C, LD, EB Mason, Lloyd C, LD, Bus Be Mason, Murlel V, UD, LA Masson, Murlel V, UD, LA Master, Helen R, LD, LA Master, Helen R, LD, LA Masster, Auron A, LD, LA Harrim Masuda, Thomas, Unc, LA E Magni Laconard G Grad	Everett Everett Everett Seattie nohomish 'ancouver slius, Or Olius, Or Olius, Or Olius, Or Oscattie Seattie Spokane Newport oise, Ida Foster Parkland Puyallup Woodland Seattie Spokane
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Marriott, Geo T, UD, Bus Marriott, Geo T, UD, Bus Mars, Annice R, LD, LA S Marsh, Earl R, LD, LA S Marsh, Earl R, LD, LA W Marsh, Eugene E, Ist Law Met Marsh, Urma L, UD, FA. Marshall, Roy S, LD, Bus Marshall, Roy S, LD, Bus Marshall, Roy S, LD, Bus Martin, Aleda, LD, Phar Martin, Harold Morris, UD, Bus Martin, Harold Morris, UD, Bus Martin, Cota Irene, LD, LA Martin, O Harry, LD, LA Martin, O Harry, LD, LA Martin, Paul M, LD, MB Martin, Paul M, LD, MB Martin, Paul M, LD, MB Martin, Rowland J, UD, LA Mason, Dorothy June, LD, FA Mason, Earl C, LD, EB Mason, Hoyd C, LD, Bus Be Mason, Murlel Y, UD, LA Masters, Aaron A, LD, LA Masters, Aaron A, LD, LA Masul, Leonard G, Grad Matheson, Roy G, UD, Bus	. Everett . Everett . Everett . Seattle nohomish 'ancouver ollus, Or ollus, Or . Dryad . Seattle . Spokane . Seattle . Spokane . Seattle
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus	Everett Everett Everett Seattle nohomish ancouver olius, Or ollus, Or O
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci. Marriott, Geo T, UD, Bus	Everett Everett Everett Seattie nohomish ancouver olius, Or olius,
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Marriott, Geo T, UD, Bus Marriott, Geo T, UD, Bus Mars, Annice R, LD, LA S Marsh, Earl R, LD, LA S Marsh, Eugene E, 1st Law Met Marsh, Francis E, 1st Law Met Marsh, Urma L, UD, FA Marshall, Roy S, LD, Bus Marshall, Roy S, LD, Bus Marshall, Roy S, LD, Bus Martens, Aleda, LD, Phar Martin, Harold Morris, UD, Bus Martin, Harold Morris, UD, Bus Martin, Cota Irene, LD, LA Martin, O Harry, LD, LA Martin, Paul M, LD, ME Martin, Rowland J, UD, LA Masson, Earl C, LD, EB Mason, Lloyd C, LD, EB Mason, Lloyd C, LD, Bus Be Masson, Murlel V, UD, LA Masster, Aeron A, LD, LA Master, Aeron A, LD, LA Masters, Aaron A, LD, LA Matheson, Roy G, UD, Bus Mathley, B, Grad Mathley, Mage, UD, LA Mathley, Wolfbore, Willenbeth, VT S.	Everett Everett Everett Everett Seattle nohomish 'ancouver ollus, Or olse, Ida Espokane Seattle Spokane Seattle
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus. Marriott, Geo T, UD, Bus. Mars, Annice R, LD, LA. S Marsh, Earl R, LD, LA. S Marsh, Earl R, LD, LA. S Marsh, Erarl R, LD, LA. S Marsh, Francis E, 1st Law. Met Marsh, Francis E, 1st Law. Met Marsh, Urna L, UD, FA. Marshall, Roy S, LD, Bus. Marshall, Roy S, LD, Bus. Martans, Aleda, LD, Phar. Martin, Harold Morris, UD, Bus. Martin, Harold Morris, UD, Bus. Martin, Ceota Irene, LD, LA. Martin, Ot Harry, LD, LA. Martin, Ot Harry, LD, LA. Martin, Otto W, LD, MB. Martin, Paul M, LD, MB. Martin, Rowland J, UD, LA. Masson, Dorothy June, LD, FA. Mason, Earl C, LD, EB. Bs Mason, Lloyd C, LD, Bus. Be Mason, Lloyd C, LD, Bus. Be Mason, Murlel V, UD, LA. Masters, Aaron A, LD, LA. Hard Masuda, Thomas, Unc, LA. EM Masul, Leonard G, Grad Mathles, Madge, UD, LA. Mathle, B, Grad Mathle, B, Grad Mathle, Madge, UD, LA. Mathle, Blizabeth, LD, Sci Mathes, R, LD, Ed. Mathle, R, LD, LA. Mathle, Blizabeth, LD, Sci Mathes, R, LD, Sci Mathes, Magee, LD, Sci Mathes, R, LD, Sci Mathes, Magee, LD, LA. Mathes, R, LD, Sci Mathes, R, L	Everett Everett Everett Everett Seattle nohomish ancouver olius, Or olius, Ida olise, Ida
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci. Marriott, Geo T, UD, Bus	Everett Everett Everett Everett Seattle nohomlah ancouver olius, Or ollius, Or olius, Or oli
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Marriott, Engene E, Lat Law Met Marsh, Eugene E, Ist Law Met Marsh, Francis E, Ist Law Met Marsh, Urma L, UD, FA. Marshall, Harry Leslie, LD, EB. Marshall, Roy S, LD, Bus Marshall, Roy S, LD, Bus Martens, Aleda, LD, Phar Martens, Aleda, LD, Phar Martin, Harold Morris, UD, Bus Martin, Harold Morris, UD, Bus Martin, Morris A, Spec B Martin, Othory, LD, LA. Martin, Paul M, LD, ME Martin, Perle F, LD, Bus Martin, Rowland J, UD, LA. Masson, Earl C, LD, EB. B Mason, Earl C, LD, EB. B Mason, Lloyd C, LD, Bus Be Mason, Murlel V, UD, LA. Masters, Aaron A, LD, LA. Harrimssuda, Thomas, Unc, LA. EM Masters, Aaron A, LD, LA. Marthey, Royal Matheson, Roy G, UD, Bus Mathley, B, Grad Mathis, Hortense, LD, LA. Mathews, Rilzabeth, LD, Sci Matthis, William, LD, Sci Matthis, William, LD, Bus Be	Everett Everett Everett Everett Seattile nohomish ancouver ollus, Or ollus, Or ollus, Or ollus, Or Oryad Seattile
Marquis, Harold H, UD, Jour Marquis, Ralph W, LD, Sci Marriott, Geo T, UD, Bus Marriott, Geo T, UD, Bus Marriott, Geo T, UD, Bus Mars, Annice R, LD, LA S Marsh, Earl R, LD, LA V Marsh, Eugene E, 1st Law Met Marsh, Francis E, 1st Law Met Marsh, Urma L, UD, FA Marshall, Roy S, LD, Bus Marshall, Roy S, LD, Bus Marshall, Roy S, LD, Bus Martens, Aleda, LD, Phar Martin, Harold Morris, UD, Bus Martin, Harold Morris, UD, Bus Martin, Ceota Irene, LD, LA Martin, O Harry, LD, LA Martin, Paul M, LD, ME Martin, Perle F, LD, Bus V Martin, Rowland J, UD, LA Mason, Earl C, LD, EE Mason, Earl C, LD, EE Mason, Earl C, LD, EE Mason, Husley UD, LA Master, Anona A, LD, LA Master, Anona A, LD, LA Master, Anona A, LD, LA Master, Roy G, UD, Bus Matheson, Roy G, UD, Bus Mathis, Hortense, LD, LA Mathews, Ellzabeth, LD, Sci Matsumura, Shigeo, LD, Bus Mathis, Hortense, LD, Ch, Bus Mathis, Hortense, LD, CL, Matthis, Rudolph, LD, Bus Be	Everett Everet
Magnuson, Clarence E, UD, Bus. Magnuson, Freeman G, LD, Bus. P Magnuson, Freeman G, LD, Bus. P Magnuson, G Alfred, Grad Mahaffey, Audley, UD, LA. Mahl, Alvina M, LD, Bus. Mahnken, Henry H, LD, Sci. Malakoff, Abe, UD, Phar. Malakoff, Milton S, LD, LA. Malloy, Kathleen J, UD, Ed. Malakoff, Milton S, LD, LA. Malloy, Kathleen J, UD, Ed. Mannecester, Arlow Rex, LD, For. Manachester, Arlow Rex, LD, For. Mannecester, Arlow Rex, LD, For. Manneley, Hans, LD, FA Manion, Harold, LD, LA. Manley, Marion, LD, LA. Manley, Marion, LD, LA. Mannieu, Alfonso, LD, EE. Mann, Harold Warren, LD, Bus. Manning, Edward, LD, Bus. Manning, Harold C, LD, EE. Manny, Mary A, UD, Sci. Manstrield, Allan H, LD, Sci. Manstrield, Allan H, LD, Sci. Manstrield, Allan H, LD, Sci. Marchand, Leslie A, UD, LA. Marchand, Alden R, LD, Bus. Marion, Armand M, LD, Bus. Marion, Alden R, LD, Bus. Marion, Armand M, LD, Bus. Marion, Armand M, LD, Bus. Markey, John, LD, Bus. Markey, Ralph W, LD, Sci. Marquirez, Juanito, LD, Phar. Marquirez, Juanito, LD, Phar. Marquires, Ralph W, LD, Sci. Marsh, Earl R, LD, LA. Martin, Harry Leslie, LD, EE. Marsh, Engene E, 1st Law. Met Marsh, Engene E, 1st Law. Met Marsh, Erarl R, LD, LA. Martin, Harry Leslie, LD, EB. Martin, Devicty June, LD, Fla. Martin, Herold Morris, UD, Bus. **Marshall, Harry Leslie, LD, EB. Mason, Lloyd C, LD, Bus. **Martin, Otto W, LD, LA. Martin, Perle F, LD, LA. Martin, Perle F, LD, LA. Mastin, Howard, UD, Bus. Mast, Helen R, LD, LA. Mathis, Moder, Ed, LD, LA. Matheson, Roy G, UD, Bus. Matheus, Ellzabeth, LD, Bus. Matheus, Ellzabeth, LD, Bus. Matheus, Ellzabeth, LD, Bus. Matheus, Clarence W, LD, Ed. Mathews, Clase W, Fr, Engr.	Everett Everett Everett Everett Seattle nohomish ancouver olius, Or olius, Ida olise, Ida

Matthews, Dorothy H, LD, FA.....Seattle Matthews, Julian O, 1st. Law Seattle Matthews, Paul R, LD, LA. Seattle Matthews, Paul R, LD, LA. Seattle Matthews, Paul R, LD, Sci. Sedow Woolley Mattison, George, Unc, Phar. Rice Lake, Wis Mattson, John I, LD, FA. Hoquiam Mattson, Raynold, LD, Sci. Portage Mauerer, Margaret M, LD, FA. Pe Ell Maughan, Wilbur M, LD, Bus. Spokane Maulden, Robert W, Grad. Seattle Mausen, Signe E, LD, Ed. Seattle Mausen, Signe E, LD, Ed. Seattle Mayer, Herbert E, LA, ME. Seattle Mayer, Herbert E, LA, LA. Bremerton Mayne, Catherine, LD, LA. Livingston, Mt Maxweil, Willard, LD, Bus. Spokane McAtee, Frayne L, Unc, CE. Twin Falis, Ida McAbee, Grace, LD Ed. Seattle McAnally, Bonnie, LD, LA. Yakima McAbee, Grace, LD Ed. Seattle McAnally, Bonnie, LD, LA. Yakima McAteer, James E, LD, Eng. Seattle McBee, Alfred, Unc, Law. Coeur d'Alene, Ida McBroom, Nellis B, LD, LA. Chehalis McCabe, Clair, UD, Bus. Seattle McCabe, Clair, UD, Bus. Seattle McCabe, Helen D, LD, Ed. Seattle McCane, Ames, LD, EE. Seattle McCarthy, Charles A, UD, Bus. Pullman McCarthy, Ulara G, UD, LA. Seattle McCarthy, Joseph L, UD, Bus. Seattle McCarthy, Jules, LD, Phar. Seattle McCarty, Marguerite, LD, LA. Seattle McClung, Lucile E, LD, LA. Seattle McClung, Cher, Sarah G, UD, Sci. Seattle McClune, Charles W, LD, LA. Seattle McClune, William E, LD, EB. Seattle McCornick, Lewis M, Sp, Sci. Mansfield, O McCoy, Fred Burton, LD, B

McDonald, Willard, LD, Bus	Buckley
McDonell, Donald N, UD, Bus	Seattle
McDonough, Raphael C. LD. Sci.	Seatue Everett
McDougall, Emily Maude, LD, FA	Seattle
McDowell, Frances M, LD, LA.	Seattle
McDowell, Marion Louise, LD, L.	A Seattle
McDowell, Ruth J, UD, Sci	Seattle
**McEuen, Marshall Lee, Grad	Seattle
McEwen, Daniel, Sp. Jour	Seattle
McFall, Clifford B, LD, Sci	Everett
McFee, Bertha L, LD, Phar	Seattle
McGavy, Robert E. LD. Min	Seattle
McGill, Merrie P, UD, LA	Seattle
McGoldrick Jack H. LD. LA.	Vanconver
McGrotty, T J, LD, Bus	Seattle
McGuffey, Jennie G, Grad	Seattle
McGuire, Louis H, LD, CE	Seattle
McHale, Anne L, UD, Sci	Seattle
McHarrie, Linesay, LD, Bus McHugh, John, Unc	Spokane
McHugh, John C, Unc, Bus	Spokane
McHugh, John J, UD, Bus. 4 McHugh, Dorothy S, Unc. FA	Seattle
Mcliraith, Mervyn C, LD, EE	Scattle
McIndoe, William C, Grad	Portland
McInroe, Walter G. LD. LAW	alla Walla
**McIntyre, Harry John, Grad	Seattle
McIntyre, Harry R, Bus McIntyre, Norman, Unc. Law	Skykomish
McKay, Francis J, LD, LA	Spokane
McKay, Helen, LD, LA	Seattle
McKay, Lorraine, LD, LA	Seattle
McKay, Mary H I, Grad	Seattle
McKenzie, Doris H, Unc, Sci. Vanc	ouver, BC
McKenzie, Edward G, LD, Ed	Seattle
McKim, James, UD, Min	Puyallup
McKinley, John E, LD, ME	Touchet
McKinstry, C H. UD. Bus	Seattle
McKissick, Joe C, UD, BusWi	illace, Ida
McKnight, Edwin Thor, UD, Sci.	Seattle
McLaren, Arnold, LD, Bus	Seattle
McLaughlin, Margaret, LD, Sci	Seattle
**McLean, Cyrus, For	.Hoquiam
**McLean, Kenneth D, Bus	Boise, Ida
McLellan, Maxine, UD, FA	Seattle
McLellan, Roy D, Grad	Tacoma
McLeod, Annabel Jean, UD, Ed McLeod, Beatrice, Grad	Seattle
McLeod, Frances L. LD, LA	Seattle
McLeod, Horace, Unc, LA	Tacoma
McLeod, Neil ,LD, LA	
McManus, Edward, LD, Bus	Seattle
McMonagle, Alberta, LD, LA	Seattle
McNeill, Harold E, LD, EE	Tacoma
McPhee, Alex S, LD, EE	Auburn
McPhee, Jack, LD, EE	Seattle
McPherson, Dorothy Vesta, UD, F.	ASeattle
McPherson, Lenore, Unc	Seattle
McQuaid, Thelma, LD, Sci	Seattle
McDonell, Donald N, UD, Bus. **McDonough, Dotto G, LD, LA. McDonough, Raphael C, LD, Sci. McDowagall, Emily Muude, LD, FA McDowell, Frances M, LD, LA. McDowell, John W, UD, Sci. McDowell, Marion Louise, LD, LA McDowell, Muth J, UD, Sci. McBachern, Gertrude, LD, LA. **McEwen, David J, LD, LA **McEwen, Marshall Lee, Grad McEwen, David J, LD, LA McFell, Clifford B, LD, Sci. McFell, Clifford B, LD, Sci. McGeavy, Robert B, LD, Min. McGaifey, Wesley F, UD, For. McGuire, Thelma, UD, Bus. McGuire, Thelma, UD, Bus. McGuire, John J, UD, Bus. McGuire, Louis H, LD, CE. McHarrie, Lindsay, LD, Bus. McHugh, John, Unc. McHugh, John J, UD, Bus. McHurie, Harry G, LD, EE. McInroe, Walter G, LD, LA. W**McIntyre, Harry John, Grad **McIntyre, Harry John, Grad **McIntyre, Norman, Unc, Law McKay, Trancis J, LD, LA McKay, Helen, LD, LA McKay, Helen, LD, LA McKay, Helen, LD, LA McKay, Harry R, Bus. McIntyre, Norman, Unc, Law McKay, Francis J, LD, LA McKay, Helen, LD, LA McKay, Helen, LD, LA McKay, Helen, LD, LA McKenzie, Boris H, Unc, Sci. Van McKenzie, Frank W, LD, ME McKinstry, O H, UD, Bus. McKlinstry, O H, UD, Bus. McKlinstry, O H, UD, Bus. McKlinstry, O H, UD, Bus. McKlinght, John E, LD, ME McKlinght, John E, LD, Me McKenzie, Riwin Thor, UD, Sci. McKlinght, John E, LD, Me McKenzie, Margaret, LD, Sci. McKlead, Horace, Unc, LA McKenzie, McLead, Milared M, LD, LA **McLead, Milared M, LD, LB McMcLeod, Milared M, LD, LB McMcLeod, Milared M, LD, LB McMcHanus, Margaret, LD, LA McHelead, Milare, UD, For. McMcHanus, McHars, LD, LA McHelead, Milare, UD, For. McMcHanus, McHars, LD, LA McHelead, Milare	ro-Woolley

McRae, Florence, LD, Ed	Snokane
	···
McRae, Isabel Reid, LD, FA	Seattle
McSorley, M. Lillian, Unc. LA. DeL	avan. Wis
MeVer John I.D. Set	Sonttle
Mc Way, Bulli, Lib, Sci	Seatue
MCVAY, VIIO C, UD, LA	seatue
McWatters, Dorothy, UD, Ed	Seattle
**McWhorter, Sahinus M. CE 1	Inhois, Id
Mosehem Treis W TD TA	Conttle
Biencham, Ducia B, III, IA	sentue
mead, Lawrence, LD, Bus	wenatchee
Meader, Alice Lillian, Unc. FA	.Puyallup
Meaker Marian Esther LD Ed.	Seattle
Moone C Forl ID EE	Ananomina
means, or mail, in, my	Anacor tes
Medeen, Carl A, LD, EE	. Eamonas
Medill, Alice May, UD, Sci	Seattle
Medin, Rita Belle, IID, FA	Seattle
Modley Tarles ID Dec	Conttle
Medier, Douisu, LD, Bus	seatue
Meenach, Harrison W. UD, Sci	Seattle
Mehner, Margaret, LD, Ed	Bremerton
Meier, Elsie A. Grad	Senttle
Malament Wasdawiek HT TID Wich	Contilo
Meisnest, Frederick H, OD, Fish.	Seatue
Meisnest, Kenneth R, LD, Bus	searue
Melcher, Joy M. LD. EE	Seattle
Melder, F Engene, LD, Bus	Seattle
Moldann Man Wolon C Cand	Cretero
meiurum, airs meien o, Grau	opokane
Melson Ray C, LD, Bus	Seattle
Meneely, A Howard, Grad	Seattle
Mentrer Cymis Joseph T.D T.A	Tacoma
Manufact, Cyros Goseph, MD, MX.	Contain
Mercier, Germaine, Grad	Seattle
Mercier, Jeanne F. Grad	Seattle
Merriam, Clair V. IID, RE	. Nooksack
Marill Edna Samble LD LA	Supproide
Meriti, Milia Sopilia, Mo, Mar	Suniyatu.
Merrill, Elliott, LD, BB	Cuarieston
Merrill, Frances E. LD, LA	Seattle
Merrill, Grant W. IID, FA	Seattle
Morrill Marion S T.D TA	ofttee?
Merrin, Marion S, III. PA	Seatue
Merritt, Fred S, 1st Law	seattie
Merritt, Marjorie, LD. FA	Seattle
Meserve, Kenneth A. LD. Bus. Po-	rtland. Or
Morgon Winnhoth D IID Got De	lling Dow
Medical Promises TD T	77
Metcalf, Berniece, LD, LA	Wenatchee
Metcalf, Berniece, LD, LA Metcalf, Kenneth A, LD. Bus	Wenatchee Tacoma
Metcalf, Berniece, LD, LA Metcalf, Kenneth A, LD. Bus Metsker, Edith E, LD. FA	Wenatchee Tacoma Seattle
Metcalf, Berniece, LD, LA Metcalf, Kenneth A, LD. Bus Metsker, Edith E, LD. FA Metz J Ernest LD. Bus Post	WenatcheeTacomaSeattle
Metcalf, Berniece, LD, LA Metcalf, Kenneth A, LD. Bus Metsker, Edith E, LD. FA Metz, J. Brnest, LD. BusPost	WenatcheeTacomaSeattle Falls, Ida
Metcaif, Berulece, LD, LA Metcaif, Kenneth A, LD. Bus Metsker, Edith E, LD. FA Metz, J. Ernest, LD. BusPost Metz, Ralph E, LD, BusPost	WenatcheeTacomaSeattle Falls, Ida Falls, Ida
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metsker, Edith E, LD. FA Metz, J. Ernest, LD. Bus. Post Metz, Ralph B, LD, Bus. Post Metzger, Frank D, Fr, Eng	WenatcheeTacomaSeattle Falls, Ida Falls, IdaSeattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metsker, Edith E, LD. FA Metz, J. Ernest, LD. BusPost Metz, Ralph D, LD, BusPost Metzger, Frank D, Fr, Eng Meyer, Fjora, LD. LA	WenatcheeTacomaSeattle Falls, Ida Falls, IdaSeattleSeattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metsker, Edith E, LD. FA Metz, J. Ernest, LD. Bus. Post Metz, Balph E, LD, Bus. Post Metzger, Frank D, Fr, Eng Meyer, Flora, LD. LA Myer Herman H. LD. LA	WenatcheeTacomaSeattle Falls, Ida Falls, IdaSeattleSeattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus. Metsker, Edith E, LD. FA Metz, J. Ernest, LD. Bus. Post Metz, Ralph E, LD, Bus. Post Metz, Ralph E, LD, Fr, Eng Metzer, Frank D, Fr, Eng Meyer, Flora, LD	WenatcheeTacomaSeattle Falls, Ida Falls, IdaSeattleSeattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Metz, J. Ernest, LD. Bus. Post Metz, Ralph D, LD, Bus. Post Metzger, Frank D, Fr, Eng Meyer, Flora, LD. LA Myer, Herman H, LD, LA Meyer, Ivan W, LD. EngWa	WenatcheeTacomaSeattle Falls, Ida Falls, IdaSeattleSeattleSeattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus. Metsker, Edith E, LD. FA Metx, J. Ernest, LD. Bus. Post I Metx, Ralph B, LD, Bus. Post I Metz, Ralph B, LD, Fr, Eng Meyer, Frank D, Fr, Eng Meyer, Flora, LD. LA Myer, Herman H, LD, LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA	WenatcheeTacomaSeattle Falls, Ida Falls, IdaSeattleSeattleSeattle lla WallaSeattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Metz, J. Ernest, LD. Bus. Post Metz, J. Ernest, LD. Bus. Post Metz, Balph D, LD, Bus. Post Metzger, Frank D, Fr, Eng Meyer, Flora, LD. LA Myer, Herman H, LD, LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyer, May, UD. LA Meyer, Waiter C. LD. Bus	WenatcheeTacomaSeattle Falls, Ida Falls, IdaSeattleSeattleSeattleSeattleSeattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus. Metsker, Edith E, LD. FA Metz, J. Ernest, LD. Bus. Post Metz, Raiph D, LD, Bus. Post Metz, Raiph D, Fr, Eng Meyer, Frank D, Fr, Eng Meyer, Flora, LD. LA Myer, Herman H, LD, LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyer, Walter C, LD. Bus Meyer, Valter C, LD. Bus	Wenatchee Tacoma Seattle Falls, Ida Falls, Ida Seattle Seattle Seattle Seattle Colfax
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Metz, J. Ernest, LD. Bus. Post Metz, Balph E, LD, Bus. Post Metzger, Frank D, Fr, Eng Meyer, Flora, LD. LA Myer, Herman H, LD, LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyer, May, UD. LA Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus	Wenatchee Tacoma Seattle Falls, Ida Falls, Ida Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FAA Metk, J. Ernest, LD. Bus Post Metk, Ralph B, LD, Bus Post Metxer, Frank D, Fr, Eng Meyer, Flora, LD. LA Myer, Herman H, LD, LA Meyer, Lvan W, LD. Eng Wa Meyer, May, UD. LA Meyer, Walter C, LD. Bus Meyers, Sheldon C, LD. Phar	Wenatchee Tacoma Seattle Seattle Seattle Seattle Seattle Seattle Seattle Seattle Seattle Coffax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Metz, J. Ernest, LD. Bus Post Metz, J. Ernest, LD. Bus Post Metz, Balph D, LD, Bus Post Metzger, Frank D, Fr, Eng Meyer, Flora, LD. LA Myer, Herman H, LD, LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyer, May, UD. LA Meyers, Leo E, LD. Bus Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed	Wenatchee . Tacoma . Seattle Falls, Ida Falls, Ida . Seattle . Seattle . Seattle lla Walla . Seattle . Seattle . Colfax . Seattle . Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Metz, J. Ernest, LD. Bus Post Metz, Raiph B, LD, Bus Post Metzer, Frank D, Fr, Eng Meyer, Flora, LD. LA Myer, Herman H, LD, LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyer, Walter C, LD. Bus Meyers, Sheldon C, LD. Phar Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Edi	Wenatchee Tacoma Seattle Falls, Ida Falls, Ida Seattle Seattle Seattle Seattle Seattle Colfax Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Metz, J. Ernest, LD. Bus Post Metz, J. Ernest, LD. Bus Post Metz, Balph E, LD, Bus Post Metzger, Frank D, Fr, Eng Meyer, Flora, LD. LA Myer, Herman H, LD, LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyer, May, UD. LA Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed Michaelser, Helen M, LD. Sci	Wenatchee . Tacoma . Seattle Falls, Ida Falls, Ida . Seattle . Colfax . Seattle . Seattle . Colfax . Seattle . Colfax . Seattle . Codessa . Odessa
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Metz, J. Ernest, LD. Bus Post Metz, Raiph B, LD, Bus Post Metzer, Frank D, Fr, Eng Meyer, Flora, LD. LA Myer, Herman H, LD, LA Meyer, Van W, LD. Eng Wa Meyer, May. UD. LA Meyer, May. UD. LA Meyer, May. UD. LA Meyer, Sheldon C, LD. Bus Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed Michalsen, Helen M, LD. Sci Michalsen, Helen M, LD. Sci	Wenatchee Tacoma Seattle Falls, Ida Falls, Ida Seattle Tacoma Odessa
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Mets, J. Ernest, LD. Bus Post Mets, J. Ernest, LD. Bus Post Metz, Balph E, LD, Bus Post Metzger, Frank D, Fr, Eng Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyer, May, UD. LA Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed Michael, Gladys J, LD. Ed. Michaelsen, Helen M, LD. Sci Michie, Frances E, LD. LA	Wenatchee Tacoma Seattle Falls, Ida Falls, Ida Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Metz, J. Ernest, LD. BusPost Metz, Ralph B, LD, BusPost Metzer, Frank D, Fr, Eng Meyer, Flora, LD. LA Myer, Herman H, LD, LA Myer, May. UD. LA Meyer, Walter C, LD. Bus Meyer, May. UD. LA Meyer, May. UD. LA Meyer, May. UD. LA Meyer, May. UD. LA Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. ED Meyring, Eugene, Unc. Ed Michaelsen, Helen M, LD. Sci Michiel, Frances E, LD, LA Michelson, John L. UD. Bus	Wenatchee Tacoma Seattie Falls, Ida Falls, Ida Seattle Seattle Seattle Seattle Seattle Seattle Seattle Seattle Tacoma Odessa Seattle Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus. Metaker, Edith E, LD. Bus. Post Mets, J. Ernest, LD. Bus. Post Metz, J. Ernest, LD. Bus. Post Metz, Grant D, LD. Bus. Post Metzger, Frank D, Fr, Eng. Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed Michaels, Gladys J, LD. Ed Michaelson, John L. UD. Bus Middlebrook, Curtis L, LD. Bus. Middlebrook, Curtis L, LD. Bus.	Wenatchee Tacoma Seattle Falls, Ida Seattle Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus. Metaker, Edith E, LD. FA Mets, J. Ernest, LD. Bus. Post Metz, Elle, Elle	Wenatchee Tacoma Seattle Falls, Ida Seattle Falls, Ida Seattle Seattle Seattle Seattle Seattle Colfax Seattle Tacoma Odessa Seattle Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Metaker, Edith E, LD. Bus Post Metz, J. Ernest, LD. Bus Post Metz, J. Ernest, LD. Bus Post Metz, Balph E, LD, Bus Post Metzger, Frank D, Fr, Eng Meyer, Flora, LD. LA Meyer, Herman H, LD, LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyers, Autor LD. Bus Meyers, Leo E, LD. Bus Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed Michaelsen, Helen M, LD. Sci Michelson, John L. UD. Bus Middlebrook, Curtis L, LD. Bus. Middlebrook, Curtis L, LD. Bus. Middlebrook, Curtis L, LD. Bus. Middlebrook, Verna, LD. Bus.	Wenatchee Tacoma Seattle Falls, Ida Falls, Ida Seattle Seattle Seattle Seattle Colfax Seattle Colfax Seattle Seattle Seattle Seattle Seattle Tacoma Odessa Seattle Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus. Metaker, Edith E, LD. FA Mets, J. Ernest, LD. Bus. Post Metz, LD. Bus. Post Metz, Engh E, LD. Bus. Post Metz, Frank D, Fr, Eng. Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Ivan W, LD. Eng Wa Meyer, Ivan W, LD. Eng Wa Meyer, Walter C, LD. Bus Meyer, Walter C, LD. Bus Meyers, Leo B, LD. Bus Meyering, Eugene, Unc. ED. Michael, Gladys J, LD. Ed Michaelsen, Helen M, LD. Sci. Michie, Frances B, LD, LA. Mickelson, John L. UD. Bus Middlebrook, Curtis L, LD. Bus. Middleton, Campbell M, LD. Min.	Wenatchee Tacoma Seattle Falls, Ida Seattle Falls, Ida Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus. Metaker, Edith E, LD. Bus. Post Metz, J. Ernest, LD. Bus. Post Metz, J. Ernest, LD. Bus. Post Metz, Balph E, LD, Bus. Post Metzger, Frank D, Fr, Eng. Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyer, May, UD. LA Meyers, Leo E, LD. Bus Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed Michaelsen, Helen M, LD. Ed Michelsen, Helen M, LD. Sci. Middlebrook, Curtis L, LD. Bus. Middlebrook, Campbell M, LD. Min. Middlebon, Lo. Min. Mid. LD. Min. Middlebon, Lo. Min. Mid. LD. Bus	Wenathee Tacoma Seattle Falls, Ida Falls, Ida Seattle Seattle Seattle Seattle Colfax Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus. Metaker, Edith E, LD. FA Mets, J. Ernest, LD. Bus. Post Mets, LD. Bus. Post Metz, LD. Bus. Post Metz, LD. Bus. Post Metz, Frank D, Fr, Eng. Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Ivan W, LD. Eng Wa Meyer, Walter C, LD. Bus. Meyer, Walter C, LD. Bus. Meyers, Leo B, LD. Bus. Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed. Michaelsen, Helen M, LD. Sci. Michie, Frances B, LD, LA. Mickelson, John L. UD. Bus. Middlebrook, Curtis L, LD. Bus. Middleton, Campbell M, LD. Min. Middleton, Campbell M, LD. Min. Middleton, Howard N, LD. Bus. Middleton, Howard N, LD. Bus.	Wenatchee Tacoma Seattle Falls, Ida Seattle Falls, Ida Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus. Metaker, Edith E, LD. FA Metz, J. Ernest, LD. Bus. Post Metz, J. Ernest, LD. Bus. Post Metz, Balph E, LD, Bus. Post Metz, Frank D, Fr, Eng. Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyer, May, UD. LA Meyers, Leo E, LD. Bus Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed Michaelsen, Helen M, LD. Ed Michelsen, Helen M, LD. Sci Middlebrook, Curtis L, LD. Bus. Middlebrook, Curtis L, LD. Bus. Middleton, Campbell M, LD. Bus. Middleton, Howard N, LD. Bus. Middleton, Keith C, UD. Bus.	Wenatchee Tacoma Seattle Falls, Ida Falls, Ida Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. Bus Post Metz, J. Ernest, LD. Bus Post Metz, Ealth E, LD. Bus Post Metz, Ealth E, LD. Bus Post Metz, Frank D, Fr, Eng Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Van W, LD. Eng Wa Meyer, Waiter C, LD. Bus Meyer, Waiter C, LD. Bus Meyers, Leo B, LD. Bus Meyers, Leo B, LD. Bus Meyering, Eugene, Unc. Eld Michael, Gladys J, LD. Ed Michael, Gladys J, LD. Ed Michaelsen, Helen M, LD. Sci Michele, Frances B, LD, LA Middlebrook, Curtis L, LD. Bus Middlebrook, Verna, LD. Bus Middleton, Campbell M, LD. Min Middleton, Howard N, LD. Bus Middleton, Hugh M, LD. Bus Middleton, Hugh M, LD. Bus Middleton, Hugh M, LD. Bus Middleton, Keith C, UD. Bus	Wenatchee Tacoma Seattle Falls, Ida Seattle Falls, Ida Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. Bus Post Metz, J. Ernest, LD. Bus Post Metz, J. Ernest, LD. Bus Post Metz, Balph E, LD, Bus Post Metzer, Frank D, Fr, Eng Meyer, Flora, LD. LA Meyer, Herman H, LD, LA Meyer, Way, UD. LA Meyer, May, UD. LA Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed Michael, Gladys J, LD. Ed Michaelsen, Helen M, LD. Sci Michielson, John L. UD. Bus Middlebrook, Curtis L, LD. Bus Middlebrook, Curtis L, LD. Bus Middleton, Campbell M, LD. Bus Middleton, Howard N, LD. Bus Middleton, Howard N, LD. Bus Middleton, Keith C, UD. Bus Middleton, Keith C, UD. Bus Middleton, Maurine, LD. LA Middleton, Maurine, LD. LA	Wenatchee Tacoma Seattle Falls, Ida Falls, Ida Seattle Seattle Seattle Seattle Colfax Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. BusPost Metz, J. Ernest, LD. BusPost Metz, J. Ernest, LD. BusPost Metz, Balph E, LD, BusPost Metz, Frank D, Fr, Eng Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Van W, LD. Eng Wa Meyer, Waiter C, LD. Bus Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyering, Eugene, Unc. Eld Michael, Gladys J, LD. Ed Michael, Gladys J, LD. Ed Michaelsen, Helen M, LD. Sci Michie, Frances B, LD, LA Middlebrook, Curtis L, LD. Bus Middlebrook, Verna, LD. Bus Middleton, Howard N, LD. Bus Middleton, Howard N, LD. Bus Middleton, Hugh M, LD. Bus Middleton, Hugh M, LD. Bus Middleton, Keith C, UD. Bus Middleton, Maurine, LD. LA Mifflin, Wesley J, 1st Law	Wenatchee Tacoma Seattle Falls, Ida Seattle Falls, Ida Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. Bus Post Metz, J. Ernest, LD. Bus Post Metz, J. Ernest, LD. Bus Post Metz, Balph E, LD, Bus Post Metz, Frank D, Fr, Eng Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyer, May, UD. LA Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed Michaelsen, Helen M, LD. Ed Michaelsen, Helen M, LD. Sci Middlebrook, Curtis L, LD. Bus Middlebrook, Curtis L, LD. Bus Middleton, Keith C, UD. Bus Middleton, Howard N. LD. Bus Middleton, Keith C, UD. Bus Middleton, Keith C, UD. Bus Middleton, Maurine, LD. LA Mifflin, Wesley J, 1st Law Migliavacca, Sero C, LD. Bus	Wenatchee Tacoma Seattle Falls, Ida Falls, Ida Seattle Seattle Seattle Seattle Colfax Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. BusPost Metz, J. Ernest, LD. BusPost Metz, J. Ernest, LD. BusPost Metz, Balph E, LD, BusPost Metz, Frank D, Fr, Eng Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Van W, LD. Eng Wa Meyer, Waiter C, LD. Bus Meyer, Waiter C, LD. Bus Meyers, Leo B, LD. Bus Meyers, Leo E, LD. Bus Meyering, Eugene, Unc. Eld Michael, Gladys J, LD. Ed Michaelsen, Helen M, LD. Sci Michie, Frances B, LD, LA Michaelsen, John L. UD. Bus Middlebrook, Curtis L, LD. Bus Middlebrook, Verna, LD. Bus Middleton, Howard N, LD. Bus Middleton, Howard N, LD. Bus Middleton, Hugh M, LD. Bus Middleton, Keith C, UD. Bus Middleton, Maurine, LD. LA Migliavaca, Sero C, LD. Bus Migliavaca, Sero C, LD. Bus Miles, Norris A, LD. Ed Miles, Norris A, LD. Bus	Wenatchee Tacoma Seattle Falls, Ida Seattle Falls, Ida Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. Bus Post Metz, J. Ernest, LD. Bus Post Metz, J. Ernest, LD. Bus Post Metz, Balph E, LD, Bus Post Metz, Frank D, Fr, Eng Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyer, May, UD. LA Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed Michael, Gladys J, LD. Ed Michaelsen, Helen M, LD. Sci Michielson, John L. UD. Bus Middlebrook, Curtis L, LD. Bus Middlebrook, Curtis L, LD. Bus Middleton, Keith C, UD. Bus Middleton, Howard N. LD. Bus Middleton, Keith C, UD. Bus Middleton, Maurine, LD. LA Mifflin, Wesley J, Ist Law Migliavacca, Sero C, LD. Bus Miles, Norris A, LD. Ed Miles, Norris A, LD. Ed Mulles, Norris A, LD. Ed Milles, Norris A, LD. Ed Meter Miles Methales New Play	Wenatchee Tacoma Seattle Falls, Ida Seattle Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Mets, J. Ernest, LD. Bus Post Mets, J. Ernest, LD. Bus Post Metz, Balph E, LD, Bus Post Metz, Frank D, Fr, Eng Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Van W, LD. Eng Wa Meyer, Waiter C, LD. Bus Meyer, Waiter C, LD. Bus Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyering, Engene, Unc. Eld Michael, Gladys J, LD. Ed Michael, Gladys J, LD. Ed Michaelsen, Helen M, LD. Sci Michie, Frances E, LD, LA Middlebrook, Curtis L, LD. Bus Middlebrook, Curtis L, LD. Bus Middleton, Howard N, LD. Bus Middleton, Howard N, LD. Bus Middleton, Hugh M, LD. Bus Middleton, Hugh M, LD. Bus Middleton, Maurine, LD. LA Migliavacca, Sero C, LD. Bus Miles, Norris A, LD. Ed Miles, Wilma, Grad New Plyn	Wenatchee Tacoma Seattle Falls, Ida Seattle Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Metz, J. Ernest, LD. Bus. Post Metz, J. Ernest, LD. Bus. Post Metz, Edith E, LD. Fr. Eng Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Herman H, LD, LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyer, May, UD. LA Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed Michaelsen, Helen M, LD. Ed Michaelsen, Helen M, LD. Sci Middlebrook, Curtis L, LD. Bus Middlebrook, Curtis L, LD. Bus Middleton, Howard N. LD. Bus Middleton, Howard N. LD. Bus Middleton, Keith G, UD. Bus Middleton, Keith G, UD. Bus Middleton, Maurine, LD. LA Mifflin, Wesley J, Ist Law Migliavacca, Sero C, LD. Bus Milles, Norris A, LD. Ed Miles, Norris A, LD. Ed Miles, Wima, Grad New Plym Miles, Loulse, LD. LA	Wenatchee Tacoma Seattle Falls, Ida Falls, Ida Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Mets, J. Ernest, LD. Bus Post Mets, J. Ernest, LD. Bus Post Metz, Balph E, LD, Bus Post Metz, Frank D, Fr, Eng Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Van W, LD. Eng Wa Meyer, Waiter C, LD. Bus Meyer, Waiter C, LD. Bus Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyering, Eugene, Unc. Eld Michael, Gladys J, LD. Ed Michaelson, Helen M, LD. Sci Michaelson, John L. UD. Bus Middlebrook, Curtis L, LD. Bus Middlebrook, Curtis L, LD. Bus Middleton, Howard N. LD. Bus Middleton, Howard N. LD. Bus Middleton, Hugh M, LD. Bus Middleton, Hugh M, LD. Bus Middleton, Keith C, UD. Bus Middleton, Keith C, UD. Bus Midliev, Museley J, 1st Law Migliavacca, Sero C, LD. Bus Miles, Wilma, Grad New Plym Milley, Loulse, LD. LA	Wenatchee Tacoma Seattle Falls, Ida Seattle Seattle Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Mets, J. Ernest, LD. Bus Post Mets, J. Ernest, LD. Bus Post Metz, Balph E, LD, Bus Post Metz, Frank D, Fr, Eng Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyer, Waiter C, LD. Bus Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed Michael, Gladys J, LD. Ed Michaelsen, Helen M, LD. Ed Michelseon, John L. UD. Bus Middletonok, Curtis L, LD. Bus Middletonok, Curtis L, LD. Bus Middleton, Howard N. LD. Bus Middleton, Howard N. LD. Bus Middleton, Keith C, UD. Bus Middleton, Keith C, UD. Bus Middleton, Maurine, LD. LA Mifflin, Wesley J, 1st Law Milles, Norris A, LD. Ed Milles, Norris A, LD. Ed Milles, Wilma, Grad New Plym Milles, Loulse, LD. LA Milles, Loulse, LD. LA Miller, Alred A, LD. LA Miller, Alred A, LD. LA	Wenathee Tacoma Seattle Falls, Ida Falls, Ida Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Mets, J. Ernest, LD. Bus Post Mets, J. Ernest, LD. Bus Post Metz, Balph E, LD, Bus Post Metz, Balph E, LD, Bus Post Metzger, Frank D, Fr, Eng Meyer, Flora, LD. LA Meyer, Iona, LD. LA Meyer, Van W, LD. Eng Wa Meyer, Waiter C, LD. Bus Meyers, Leo E, LD. Bus Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Eld Michaels, Gladys J, LD. Ed Michaelson, Helen M, LD. Sci Michaelson, John L. UD. Bus Middlebrook, Curtis L, LD. Bus Middlebrook, Curtis L, LD. Bus Middleton, Hugh M, LD. Bus Middleton, Hoyard N, LD. Bus Middleton, Hugh M, LD. Bus Middleton, Keith C, UD. Bus Middleton, Keith C, UD. Bus Mifflin, Wesley J, 1st Law Migliavacca, Sero C, LD. Bus Miles, Wilma, Grad New Plyn Miles, Wilma, Grad New Plyn Miller, Loulse, LD. LA Miller, Beatrice K, LD. LA Miller, Bearlice, LD. LA	Wenatchee Tacoma Seattle Falls, Ida Seattle Seattle Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Mets, J. Ernest, LD. Bus Post Mets, J. Ernest, LD. Bus Post Metz, Balph E, LD, Bus Post Metz, Frank D, Fr, Eng Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Ivan W, LD. Eng Wa Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyers, Eldon C, LD. Phar Meyers, Eldon C, LD. Phar Meyers, Sheldon C, LD. Phar Meyers, Donn L. UD. Eds Michaelsen, Helen M, LD. Ed Micheleson, John L. UD. Bus Middletonok, Curtis L, LD. Bus Middletonok, Curtis L, LD. Bus Middleton, Howard N. LD. Bus Middleton, Howard N. LD. Bus Middleton, Keith C, UD. Bus Middleton, Keith C, UD. Bus Middleton, Maurine, LD. LA Mifflin, Wesley J, 1st Law Milles, Norris A, LD. Ed Milles, Reatrice K, LD. LA Miller, Beatrice K, LD. LA Miller, Beatrice K, LD. LA Miller, Earl Adam IID. LA	Wenathee Tacoma Seattle Falls, Ida Falls, Ida Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA. Metcaif, Kenneth A, LD. Bus. Metaker, Edith E, LD. FA. Mets, J. Ernest, LD. Bus. Post Mets, J. Ernest, LD. Bus. Post Metz, Balph E, LD, Bus. Post Metz, Balph E, LD, Bus. Post Metz, Frank D, Fr, Eng. Meyer, Flora, LD. LA. Meyer, Lo. LA. Meyer, Walter C, LD. Bus. Meyer, Waiter C, LD. Bus. Meyers, Leo E, LD. Bus. Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Eld. Michaels, Gladys J, LD. Ed. Michaelson, Helen M, LD. Sci. Michie, Frances E, LD, LA. Michelson, John L. UD. Bus. Middlebrook, Curtis L, LD. Bus. Middlebrook, Curtis L, LD. Bus. Middlebrook, Verna, LD. Bus. Middleton, Howard N, LD. Bus. Middleton, Howard N, LD. Bus. Middleton, Hugh M, LD. Bus. Middleton, Keith C, UD. Bus. Middleton, Keith C, UD. Bus. Middleton, Warline, LD. LA. Miller, Wesley J, 1st Law. Miller, Wilma, Grad. New Plyn Miller, Loulse, LD. LA. Miller, Beatrice K, LD. LA. Miller, Carl Adam, UD. LA.	Wenatchee Tacoma Seattle Falls, Ida Seattle Falls, Ida Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA. Metcaif, Kenneth A, LD. Bus. Metaker, Edith E, LD. FA. Mets, J. Ernest, LD. Bus. Post Metz, J. Ernest, LD. Bus. Post Metz, Balph E, LD, Bus. Post Metz, Frank D, Fr, Eng. Meyer, Flora, LD. LA. Meyer, Flora, LD. LA. Meyer, Ivan W, LD. Eng. Wa Meyer, Way, UD. LA. Meyer, Way, UD. LA. Meyers, Leo E, LD. Bus. Meyers, Leo E, LD. Bus. Meyers, Leo E, LD. Bus. Meyers, Reldon C, LD. Phar. Meyring, Eugene, Unc. Ed. Michael, Gladys J, LD. Ed. Michaelsen, Helen M, LD. Sci. Michie, Frances E, LD, LA. Michelson, John L. UD. Bus. Middletonok, Curtis L, LD. Bus. Middleton, Campbell M, LD. Bus. Middleton, Howard N. LD. Bus. Middleton, Howard N. LD. Bus. Middleton, Keith C, UD. Bus. Middleton, Keith C, UD. Bus. Middleton, Meyer, LD. LA. Mifflin, Wesley J, 1st Law. Milles, Norris A, LD. Ed. Milles, Reatrice K, LD. LA. Miller, Earlice, LD. LA. Miller, Carl Adam, UD. LA. Miller, Carl Adam, UD. LA.	Wenatchee Tacoma Seattle Falls, Ida Seattle Falls, Ida Seattle Seattle
Metcaif, Berniece, LD, LA. Metcaif, Kenneth A, LD. Bus. Metaker, Edith E, LD. FA. Mets, J. Ernest, LD. Bus. Post Mets, J. Ernest, LD. Bus. Post Metz, Balph E, LD, Bus. Post Metz, Frank D, Fr, Eng. Meyer, Flora, LD. LA. Meyer, Flora, LD. LA. Meyer, Van W, LD. Eng. Wa Meyer, Waiter C, LD. Bus. Meyers, Waiter C, LD. Bus. Meyers, Leo E, LD. Bus. Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed. Michaelson, Helen M, LD. Sci. Michaelson, John L. UD. Bus. Middlebrook, Curtis L, LD. Bus. Middlebrook, Curtis L, LD. Bus. Middlebrook, Verna, LD. Bus. Middlebrook, Verna, LD. Bus. Middleton, Hugh M, LD. Bus. Middleton, Hogh M, LD. Bus. Middleton, Keith C, UD. Bus. Middleton, Keith C, UD. Bus. Midliev, Mesley J, 1st Law. Migliavacca, Sero C, LD. Bus. Milles, Wilma, Grad. New Plyn Miles, Wilma, Grad. New Plyn Miller, Carl Adam, UD. LA. Miller, Carl Adam, UD. LA. Miller, Ceell Chase, LD. Ed.	Wenatchee Tacoma Seattle Falls, Ida Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Metaker, Edith E, LD. Bus Post Metaker, Falth B, LD, Bus Post Metzger, Frank D, Fr, Eng Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Ivan W, LD. Eng Wa Meyer, May, UD. LA Meyer, Waiter C, LD. Bus Meyers, Leo E, LD. Bus Meyers, Leo E, LD. Bus Meyers, Sheldon C, LD. Phar Meyers, Eddon C, LD. Phar Meyers, Eddon C, LD. Phar Meyers, Sheldon C, LD. Bus Meyers, Donn. L. UD. Eds Michaelsen, Helen M, LD. Ed Michelseon, John L. UD. Bus Middletonok, Curtis L, LD. Bus Middletonok, Curtis L, LD. Bus Middleton, Howard N. LD. Bus Middleton, Howard N. LD. Bus Middleton, Keith C, UD. Bus Middleton, Maurine, LD. LA Mifflin, Wesley J, 1st Law Milles, Norris A, LD. Ed Milles, Norris A, LD. LA Miller, Carl Adam, UD. LA Miller, Carl Adam, UD. LA Miller, Cerl Chase, LD. Ed Miller, Cerl Chase, LD. Sel Miller, Cerl Charles, LD. Sel Miller, Cerl Charles, LD. Sel Miller, Cerl Charles, LD. Sel	Wenathee Tacoma Seattle Falls, Ida Falls, Ida Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA Metcaif, Kenneth A, LD. Bus Metaker, Edith E, LD. FA Mets, J. Ernest, LD. Bus Post Mets, J. Ernest, LD. Bus Post Metz, Balph E, LD, Bus Post Metz, Frank D, Fr, Eng Meyer, Flora, LD. LA Meyer, Flora, LD. LA Meyer, Ivan W, LD. Eng Wa Meyer, Waiter C, LD. Bus Meyers, Leo E, LD. Bus Meyers, Sheldon C, LD. Phar Meyring, Eugene, Unc. Ed Michaelsen, Helen M, LD. Sci Michaelsen, Helen M, LD. Sci Middleton, John L. UD. Bus Middleton, Campbell M, LD. Bus Middleton, Campbell M, LD. Bus Middleton, Hugh M, LD. Bus Middleton, Maurine, LD. LA Miller, Wesley J, 1st Law Migliavacca, Sero C, LD. Bus Miller, Morris A, LD. Ed Miller, Sorris A, LD. Ed Miller, Satrice K, LD. LA Miller, Carl Adam, UD. LA Miller, Carl Adam, UD. LA Miller, Cecil Chase, LD. Sci Miller, Charlets J, UD. Bus Miller, Charlets E, Inc. LA Miller, Carl Adam, UD. LA Miller, Charlets E, Inc. LA Miller, Charlets E, Inc. LA	Wenatchee Tacoma Seattle Falls, Ida Seattle Falls, Ida Seattle
Metcaif, Berniece, LD, LA. Metcaif, Kenneth A, LD. Bus. Metaker, Edith E, LD. FA. Metaker, Edith E, LD. Bus. Post Metz, J. Ernest, LD. Bus. Post Metz, J. Ernest, LD. Bus. Post Metz, Balph E, LD, Bus. Post Metzger, Frank D, Fr, Eng. Meyer, Flora, LD. LA. Meyer, Flora, LD. LA. Meyer, Ivan W, LD. Eng. Wa Meyer, Way, UD. LA. Meyer, Way, UD. LA. Meyers, Leo E, LD. Bus. Meyers, Leo E, LD. Bus. Meyers, Leo E, LD. Bus. Meyers, Sheldon C, LD. Phar. Meyring, Eugene, Unc. Ed. Michaelsen, Helen M, LD. Ed. Michaelsen, Helen M, LD. Bus. Middlebrook, Curtis L, LD. Bus. Middleton, Howard N. LD. Bus. Middleton, Howard N. LD. Bus. Middleton, Howard N. LD. Bus. Middleton, Keith C, UD. Bus. Middleton, Maurine, LD. LA. Mifflin, Wesley J, 1st Law. Milles, Norris A, LD. Ed. Milles, Carl Adam, UD. LA. Miller, Carl Adam, UD. LA. Miller, C. Edward, LD. LA. Miller, Charles J, UD. Bus. Miller, Charles J, UD. Bus. Miller, Carladon, Carned	Wenathee Tacoma Seattle Falls, Ida Falls, Ida Seattle Seattle Seattle Seattle Seattle Colfax Seattle
Metcaif, Berniece, LD, LA. Metcaif, Kenneth A, LD. Bus. Metaker, Edith E, LD. FA. Mets, J. Ernest, LD. Bus. Post Metz, J. Ernest, LD. Bus. Post Metz, Balph E, LD, Bus. Post Metz, Frank D, Fr, Eng. Meyer, Flora, LD. LA. Meyer, Flora, LD. LA. Meyer, Van W, LD. Eng. Wa Meyer, Waiter C, LD. Bus. Meyers, Leo E, LD. Bus. Michaelsen, Helen M, LD. Sci. Michaelsen, Helen M, LD. Sci. Middleton, Campbell M, LD. Bus. Middleton, Campbell M, LD. Bus. Middleton, Hugh M, LD. Bus. Middleton, Hogh M, LD. Bus. Middleton, Keith C, UD. Bus. Middleton, Keith C, UD. Bus. Midlier, Mesley J, 1st Law. Miller, Morris A, LD. Ed. Miller, Wesley J, 1st Law. Miller, Miller, Louise, LD. LA. Miller, Beatrice K, LD. LA. Miller, Carl Adam, UD. LA. Miller, Carl Adam, UD. LA. Miller, Cecil Chase, LD. Sci. Miller, Charlets J, UD. Bus.	Wenatchee Tacoma Seattle Falls, Ida Seattle Falls, Ida Seattle
Metcaif, Berniece, LD, LA. Metcaif, Kenneth A, LD. Bus. Metaker, Edith E, LD. FA. Metaker, Edith E, LD. Bus. Post Metz, J. Ernest, LD. Bus. Post Metz, J. Ernest, LD. Bus. Post Metz, Balph E, LD, Bus. Post Metzger, Frank D, Fr, Eng. Meyer, Flora, LD. LA. Meyer, Flora, LD. LA. Meyer, Ivan W, LD. Eng. Wa Meyer, Way, UD. LA. Meyer, Way, UD. LA. Meyers, Leo E, LD. Bus. Meyers, Leo E, LD. Bus. Meyers, Leo E, LD. Bus. Meyers, Sheldon C, LD. Phar. Meyring, Eugene, Unc. Ed. Michael, Gladys J, LD. Ed. Michaelsen, Helen M, LD. Sci. Michie, Frances E, LD, LA. Michielson, John L. UD. Bus. Middletonok, Curtis L, LD. Bus. Middletonok, Curtis L, LD. Bus. Middleton, Howard N. LD. Bus. Middleton, Howard N. LD. Bus. Middleton, Howard N. LD. Bus. Middleton, Maurine, LD. LA. Mifflin, Wesley J, 1st Law. Milles, Norris A, LD. Ed. Milles, Norris A, LD. Ed. Milles, Norris A, LD. Ed. Milles, Carl Adam, UD. LA. Miller, Carl Adam, UD. LA. Miller, Carl Edam, UD. LA. Miller, C. Edward, LD. LA. Miller, C. Edward, LD. LA. Miller, C. Edward, LD. LA. Miller, Canled S, Grad. Miller, Edeltrud S, Grad.	Wenatchee Tacoma Seattle Falls, Ida Falls, Ida Seattle Seattle Seattle Seattle Colfax Seattle
McRae, Florence, LD, Ed. McRae, Isabel Reid, LD, FA. McSorley, M. Lillian, Unc, LA. DeL McVay, Vilo C, UD, LA. McWatters, Dorothy, UD, Ed. **McWatters, Babinus M, CE1, Mcacham, Lucia F, LD, LA. Mcader, Alice Lillian, Unc, FA. Mcader, Alice Lillian, Unc, FA. Mcader, Marian Esther, LD, Ed. Mcader, Marian Esther, LD, Ed. Mcdeer, Carl A, LD, EB. Mcddil, Alice May, UD, Scl. Mcdlar, Louisa, LD, Bus. Mcdlar, Louisa, LD, Bus. Mcenach, Harrison W, UD, Scl. Mcelar, Elsic A, Grad. Mcisnest, Frederick H, UD, Fish. Mcisnest, Kenneth R, LD, Bus. Mcler, Joy M, LD, Bus. Mclecher, Joy M, LD, Bus. Mcleder, F Bugene, LD, Bus. Mcleder, F Bugene, LD, Bus. Mcherier, Germaine, Grad. Mcrill, Calar V, UD, EE. Mcrill, Editott, LD, EB. Mcrill, Grant W, UD, EE. Mcrrill, Grant W, UD, FA. Mcrrill, Grant W, UD, FA. Mcrrill, Bernices E, LD, LA. Mcrrill, Marion S, LD. FA. Mcrritt, Marjoric, LD. FA. Mcrritt, Mcarjoric, LD. FA. Mcrritt, Mcrritt, Mcrritte, LD. Bus. Mcdaleton, Howard N. LD. Bus. Mcdaleton, Howard N. LD. Bus. Middleton, Howard N. LD. Bus. Middlet	Wenatchee Tacoma Seattle Falls, Ida Seattle Falls, Ida Seattle

Miller, Ethel T, UD. FACle Elum
Miller, Eugene F, LD. BusSeattle
Miller, Gilbert A. L.D. For, Kelispell, Mont
Miller, George L. LD. EE Seattle
Miller, Hone E. LD. LA Seattle
Miller, Isidor, LD, Bus. Seattle
Miller Keith T.D T.A Anchorage Alaska
Miller Lenra A T.D T.A Seettle
Miller Moreovet E III TA
Miller, Margaret E., UD. LATacoma
milier, Marie Martha, Unc. Sci. Snohomish
Miller, Marienne E, UD. LATacoma
Miller, Martha, Unc. LASeattle
**Miller, Max, UD. JourEverett
Miller, Mervyn B, LD, ForSeattle
Miller. Raymond S, UD. BusTacoma
Miller, Robert E. UD. MEPuyallup
Miller, Vera Winona, LD, LAPomeroy
Miller. Zelma E. LD. LAGoldendale
Miller, Zephorina, LD, LAPomerov
Millett Walter E LD Bug Souttle
Millett Willard T LD For Seettle
Millian Donald A LD LA Santtle
Millian Tonand C ID IA Scattle
Millian, Deciliard G, ID. IASeattle
Milliman, Loren H, UD. Jour Seattle
Mills, Archibald R, LD, BusCurtis
Mills, Elizabeth, LD. LASeattle
Mills, J. Russell, UD. ForSeattle
Milne, Donald, LD. BusSeattle
Milot, John A. LD. LAStockett. Mont
Mines, Henry W. 2nd Law Seattle
Minish, John Mc. IID, LASeattle
Miner Eva Lee LD Sci Scottle
Minor John V I.D I.A Kolgo
Minghall Dehowt T TD CM Macoma
Minton Townsholls TD TA Tooms
Minter, Daurabene, LD. DA
Minton, Harriet L, UD, LASeattle
Mischier, James, LD. LA
Alisra, Ben, LD. LA
Mitchell, Constance, LD. Sci. Portland, Ore
Mitchell, Dorothy, LD. LA. Longmont, Colo
Mitchell, L Lillian, UD. EdCorwith, Ia
Mitchell, Lynnwood G. SpecSeattle
Mitchell, Mary, LD. LASeattle
Mitchell, Mary, LD. LASeattle Mitchell, Verne H. LD. BusKennewick
Mitchell, Mary, LD. LASeattle Mitchell, Verne H, LD. BusKennewick Mithong, Otis J. UD. EERockford
Mitchell, Mary, LD. LASeattle Mitchell, Verne H, LD. BusKennewick Mithong, Otis J, UD. EERockford Mitsunaga, Tairn. GradSeattle
Mitchell, Mary, LD. LA Seattle Mitchell, Verne H. LD. Bus Kennewick Mithong, Otis J. UD. EE Rockford Mitsunaga, Taiyn, Grad Seattle Mittleberger. Marion C. UD. Jour Seattle
Mitchell, Mary, I.D. I.A
Mitchell, Mary, LD. LASeattle Mitchell, Verne H, LD. BusKennewick Mithong, Otis J, UD. EERockford Mitsunaga, Taiyn, GradSeattle Mittleberger, Marion C, UD. JourSeattle Mitzel, Richard F, LD. LAYakima **Men. Oley James Res. Belligsbare
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H. I.D. Bus. Kennewick Mithong, Otis J. U.D. EE. Rockford Mitsunaga, Taiyn, Grad. Seattle Mittleberger, Marion C. U.D. Jour. Seattle Mitzel, Richard F. I.D. I.A. Yakima **Moen, Oley James, Bus. Bellingham Moffitt Robert C. Grad. Section 5 Section 1
Mitchell, Mary, I.D. I.A
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H. I.D. Bus Kennewick Mithong, Otis J. U.D. EE Rockford Mitsunaga, Talyn, Grad Seattle Mittleberger, Marion C, U.D. Jour Seattle Mitzel, Richard F, I.D. I.A Yakima **Moen, Oley James, Bus Bellingham Moffitt, Robert C, Grad Spokane Mnyskens, Henry H, U.D. Sci Pt Orchard Mebre Markelle Lie Lie The Mebre Mitsel Lie Lie The Henry & The Mebre Mitsel Lie Lie The Henry & Lie
Mitchell, Mary, I.D. I.A
Mitchell, Mary, I.D. I.A
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H. I.D. Bus. Kennewick Mitchell, Verne H. I.D. Bus. Kennewick Mitchell, Verne H. I.D. Bus. Kennewick Mitchell, Verne H. I.D. E. Rockford Mitsunaga, Taiyn, Grad. Seattle Mitzel, Richard F, I.D. I.A. Yakima **Moen, Oley James, Bus. Bellingham Moffitt, Robert C, Grad. Spokane Mnyskens, Henry H, U.D. Sci. Pt Orchard Moher, Maybelle, Unc, I.A Two Harbors Minn Mohr, Esther, Grad. Seattle Mohr, Jennie, I.D. I.A. Seattle
Mitchell, Mary, I.D. I.A
Mitchell, Mary, LD. LA. Seattle Mitchell, Verne H. LD. Bus Kennewick Mithong, Otis J. UD. EE. Rockford Mitsunaga, Talyn, Grad Seattle Mitzel, Richard F. LD. LA. Yakima **Moen, Oley James, Bus Bellingham Moffitt, Robert C. Grad Spokane Mnyskens, Henry H. UD. Sci Pt Orchard Moher, Maybelle, Unc, LA Two Harbors Minn Mohr, Esther, Grad Seattle Mohr, Jennie, LD, LA. Seattle Moldstad, Harold, 1st Law Mt Vernon Moll, Celeste, UD. LA. Arlington
Mitchell, Mary, I.D. I.A
Mitchell, Mary, I.D. I.A
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H., I.D. Bus. Kennewick Mitchell, Verne H., I.D. Bus. Kennewick Mitchell, Verne H., I.D. Bus. Kennewick Mitchell, Verne H., I.D. EE. Rockford Mitsunaga, Taiyn, Grad. Seattle Mitzel, Richard F, I.D. I.A. Seattle Mitzel, Richard F, I.D. I.A. Yakima **Moen, Oley James, Bus. Bellingham Moffitt, Robert C, Grad. Spokane Mnyskens, Henry H, U.D. Sci. Pt Orchard Moher, Maybelle, Unc, I.A Two Harbors Minn Mohr, Esther, Grad. Seattle Mohr, Jennie, I.D. I.A. Seattle Moldstad, Harold, 1st Law. Mit Vernon Moll, Celeste, U.D. I.A. Arlington Moll, Phyllis A, I.D. I.A. South Bend Monnes, Erling, Grad. Seattle Monroe, George Henry, I.D. I.A. Ferndale
Mitchell, Mary, LD. LA
Mitchell, Mary, LD. LA. Seattle Mitchell, Verne H. LD. Bus. Kennewick Mithong, Otis J. UD. EE. Rockford Mitsunaga, Taiyn, Grad. Seattle Mitzel, Richard F. LD. LA. Seattle Mitzel, Richard F. LD. LA. Yakima **Moen, Oley James, Bus. Bellingham Moffitt, Bobert C. Grad. Spokane Mnyskens, Henry H. UD. Sci. Pt Orchard Moher, Maybelle, Unc, LA Two Harbors Minn Mohr, Esther, Grad. Seattle Mohr, Jennie, LD. LA. Seattle Mohr, Jennie, LD. LA. Arlington Moll, Phyllis A, LD. LA. South Bend Monnes, Erling, Grad. Seattle Monroe, George Henry, LD. LA. Ferndale Monso, Marvel, LD. LA. Bellingham Monson, George M, LD. Bus. Govan
Mitchell, Mary, LD. LA
Mitchell, Mary, I.D. I.A
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H., I.D. Bus. Kennewick Mitchell, Verne H., I.D. Bus. Kennewick Mitchell, Verne H., I.D. Bus. Kennewick Mitchell, Verne H., I.D. EE. Rockford Mitsunaga, Taiyn, Grad. Seattle Mitzel, Richard F, I.D. I.A. Seattle Mitzel, Richard F, I.D. I.A. Yakima **Moen, Oley James, Bus. Bellingham Moffitt, Robert C, Grad. Spokane Mnyskens, Henry H, U.D. Sci. Pt Orchard Moher, Maybelle, Unc, I.A Two Harbors Minn Mohr, Esther, Grad. Seattle Mohr, Jennie, I.D. I.A. Seattle Mohr, Jennie, I.D. I.A. Seattle Moldstad, Harold, 1st Law. Mit Vernon Moll, Celeste, U.D. I.A. Arlington Moll, Phyllis A, I.D. I.A. South Bend Monnes, Erling, Grad. Seattle Monroe, George Henry, I.D. I.A. Ferndale Monso, Marvel, I.D. I.A. Bellingham Monson, George M, I.D, Bus. Govan Monsen, Henry Emil, Spec. Portland, Ore Monteagle, Vera M, U.D. Ed. Seattle **Monteomery, Earl F, I.D. FA. Spokane
Mitchell, Mary, I.D. I.A
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H., I.D. Bus. Kennewick Mitchell, Verne H., I.D. Bus. Kennewick Mitchell, Verne H., I.D. Bus. Kennewick Mitchell, St. J. U.D. EEE. Rockford Mitsunaga, Taiyn, Grad. Seattle Mitzel, Richard F., I.D. I.A. Seattle Mitzel, Richard F., I.D. I.A. Yakima **Moen, Oley James, Bus. Bellingham Moffitt, Bobert C., Grad. Spokane Mnyskens, Henry H., U.D. Sci. Pt Orchard Moher, Maybelle, Unc, I.A. Two Harbors Minn Mohr, Esther, Grad. Seattle Mohr, Jennie, I.D. I.A. Seattle Mohr, Jennie, I.D. I.A. Seattle Moldstad, Harold, 1st Law. Mt Vernon Moll, Phyllis A, I.D. I.A. South Bend Monnes, Erling, Grad. Seattle Monroe, George Henry, I.D. I.A. Ferndale Monso, Marvel, I.D. I.A. Bellingham Monson, George M, I.D., Bus. Govan Monsen, Henry Emil, Spec. Portland, Ore Monteagle, Vera M, U.D. Ed. Seattle **Montgomery, Earl F, I.D. FA. Spokane Montgomery, Lois, I.D., FA. Red Lodge, Mont Montills, Froncisco. I.D. Bus. Dillimines
Mitchell, Mary, LD. LA
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H., I.D. Bus Kennewick Mitchell, Verne H., I.D. Bus Kennewick Mitchell, Verne H., I.D. BE. Rockford Mitsunaga, Talyn, Grad Seattle Mittleberger, Marion C, U.D. Jour Seattle Mitzel, Richard F, I.D. I.A. Yakima More, Goley James, Bus Bellingham Moffitt, Robert C, Grad Spokane Mnyskens, Henry H. U.D. Sci. Pt Orchard Moher, Maybelle, Unc, I.A. Two Harbors Minn Mohr, Esther, Grad Seattle Mohr, Jennie, I.D. I.A. Seattle Mohr, Jennie, I.D. I.A. Seattle Moldstad, Harold, 1st Law. Mt Vernon Moll, Phyllis A, I.D. I.A. South Bend Monnes, Erling, Grad Seattle Monroe, George Henry, I.D. I.A. Ferndale Monso, Marvel, I.D. I.A. Bellingham Monson, George M, I.D. Bus Govan Monsen, Henry Emil, Spec. Portland, Ore Monteagle, Vera M, U.D. Ed. Seattle *Montgomery, Earl F, I.D. FA. Spokane Montilla, Froncisco, I.D. Bus Philippines Montilla, Froncisco, I.D. Bus Philippines Mondody. Clark W UID Bus Parkenson Mondody.
Mitchell, Mary, I.D. LA
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H., I.D. Bus Kennewick Mitchell, Verne H., I.D. Bus Kennewick Mitchell, Verne H., I.D. B. Reckford Mitsunaga, Talyn, Grad Seattle Mittleberger, Marion C, U.D. Jour. Seattle Mitzle, Richard F, I.D. I.A. Yakima **Moen, Oley James, Bus Bellingham Moffitt, Robert C, Grad Spokane Mnyskens, Henry H., U.D. Sci. Pt Orchard Moher, Maybelle, Unc, I.A. Two Harbors Minn Mohr, Esther, Grad Seattle Mohr, Jennie, I.D. I.A. Seattle Mohr, Jennie, I.D. I.A. Seattle Moldstad, Harold, 1st Law. Mt Vernon Moll, Celeste, U.D. I.A. Arlington Moll, Celeste, U.D. I.A. South Bend Monnes, Erling, Grad Seattle Monroe, George Henry, I.D. I.A. Ferndale Monso, Marvel, I.D. I.A. Bellingham Monson, George M, I.D. Bus Govan Monsen, Henry Emil, Spec. Portland, Ore Monteagle, Vera M, U.D. Ed. Seattle **Montgomery, Lois, I.D. FA. Red Lodge, Mont Montilla, Froncisco, I.D. Bus Philippines Montilla, Jose R, I.D. Sci. Philippines Mondoy, Clark W, U.D. Bus Vancouver Moore, Charles S, Spece
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H., I.D. Bus Kennewick Mitchell, Verne H., I.D. EE. Rockford Mitsunaga, Taiyn, Grad Seattle Mitzel, Richard F, I.D. I.A. Seattle Mitzel, Richard F, I.D. I.A. Yakima Moffitt, Bobert C, Grad Spokane Mnyskens, Henry H, U.D. Sci. Pt Orchard Moher, Maybelle, Unc, I.A. Two Harbors Minn Mohr, Esther, Grad Seattle Mohr, Jennie, I.D. I.A. Seattle Mohr, Jennie, I.D. I.A. Seattle Mohr, Jennie, I.D. I.A. South Bend Monnes, Erling, Grad Seattle Monroe, George Henry, I.D. I.A. Seattle Monroe, George Henry, I.D. I.A. Bellingham Monson, George M, I.D. Bus Govan Monsen, Henry Emil, Spec. Portland, Ore Monteagle, Vern M, U.D. Ed. Seattle Montgomery, Lois, I.D., FA. Red Lodge, Mont Montilla, Froncisco, I.D. Bus Philippines Montilla, Froncisco, I.D. Bus Philippines Montilla, Froncisco, I.D. Bus Vancouver Moore, Chas A, Grad Seattle Moore, Chas B, Grad Seattle Moore, Charles S, Spec. Seattle
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H., I.D. Bus Kennewick Mithong, Otis J. U.D. EE. Rockford Mitsunaga, Taiyn, Grad Seattle Mittleberger, Marion C, U.D. Jour Seattle Mittleberger, Marion C, U.D. Junes, Seattle Mittleberger, Marion C, U.D. Junes, Bus Bellingham Moffitt, Robert C, Grad Spokane Mnyskens, Henry H, U.D. Sci. Pt Orchard Moher, Maybelle, Unc, LA Two Harbors Minn Mohr, Esther, Grad Seattle Mohr, Jennie, I.D. LA Seattle Moldstad, Harold, 1st Law Mt Vernon Moll, Celeste, U.D. LA Arlington Moll, Chill, Seattle Monroe, George Henry, I.D. LA Seattle Monroe, George Henry, I.D. LA Bellingham Monson, George M, I.D. Bus Govan Monsen, Henry Emil, Spec. Portland, Ore Monteagle, Vern M, U.D. Ed Seattle **Montgomery, Lois, I.D. FA Red Lodge, Mont Montilla, Froncisco, I.D. Bus Philippines Montilla, Jose R, I.D. Sci. Philippines Montilla, Jose R, I.D. Sci. Philippines Montgone, Charles S, Spec Seattle Moore, Charles S, Spec Seattle Moore, Gerald Edward, Grad Seattle **Moore, Gerald Edward, Grad Seattle Moore, Gerald Edward, Grad Seattle
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H., I.D. Bus Kennewick Mitchell, Richard F., I.D. I.A. Seattle Mitzel, Richard F., I.D. I.A. Yakima Moffitt, Robert C., Grad Spokane Mnyskens, Henry H., U.D. Sci. Pt Orchard Moher, Maybelle, Unc, I.A. Two Harbors Minn Mohr, Esther, Grad Seattle Mohr, Jennie, I.D. I.A. Seattle Mohr, Jennie, I.D. I.A. Seattle Moldstad, Harold, 1st Law Mt Vernon Moll, Phyllis A, I.D. I.A. South Bend Monnes, Erling, Grad Seattle Monroe, George Henry, I.D. I.A. Ferndale Monso, Marvel, I.D. I.A. Bellingham Monson, George M, I.D, Bus Govan Monsen, Henry Emil, Spec. Portland, Ore Monteagle, Vera M, U.D. Ed. Seattle Montgomery, Lois, I.D. FA. Red Lodge, Mont Montilla, Froncisco, I.D. Bus Philippines Montilla, Froncisco, I.D. Bus Philippines Montilla, Jose R, I.D. Sci. Philippines Mondore, Charles S, Spec. Seattle Moore, Charles S, Spec. Seattle Moore, Charles S, Spec. Seattle Moore, Gerald Edward, Grad Seattle Part Aug Charles S, Spec. Seattle Moore, Harold W, Unc. Bus Filer, Ida Moore, Tare Quill Seattle Moore, Harold W, Unc. Bus Filer, Ida
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H., I.D. Bus. Kennewick Mithong, Otis J., U.D. EE. Rockford Mitsunaga, Taiyn, Grad. Seattle Mittleberger, Marion C, U.D. Jour. Seattle Mitzle, Richard F, I.D. I.A. Yakima Moffitt, Robert C, Grad. Spokane Mnoffitt, Robert C, Grad. Spokane Mnyskens, Henry H, U.D. Sci. Pt Orchard Moher, Maybelle, Unc, I.A. Two Harbors Minn Mohr, Esther, Grad. Seattle Mohr, Jennie, I.D. I.A. Seattle Mohr, Jennie, I.D. I.A. Seattle Moldstad, Harold, 1st I.aw. Mt Vernon Moll, Celeste, U.D. I.A. Arlington Moll, Celeste, U.D. I.A. South Bend Monnes, Erling, Grad. Seattle Monroe, George Henry, I.D. I.A. Ferndale Monson, George M, I.D. Bus. Govan Monsen, Henry Emil, Spec. Portland, Ore Monteagle, Vera M, U.D. Ed. Seattle Montogomery, Lois, I.D. FA. Red Lodge, Mont Montilla, Froncisco, I.D. Bus. Philippines Montilla, Jose R, I.D. Sci. Philippines Mootly, Clark W, U.D. Bus. Vancouver Moore, Charles S, Spec. Seattle Moore, Gerald Edward, Grad. Seattle Moore, Garald Edward, Grad. Seattle Moore, Charles S, Spec. Seattle Moore, Lynn C, UD, Sci. Wenatchee
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H., I.D. Bus Kennewick Mithong, Otis J. U.D. E.E. Rockford Mitsunaga, Taiyn, Grad Seattle Mittleberger, Marion C, U.D. Jour Seattle Mitzle, Richard F, I.D. I.A. Yakima Moffitt, Robert C, Grad Spokane Moffitt, Robert C, Grad Spokane Mnyskens, Henry H. U.D. Sci. Pt Orchard Moher, Maybelle, Unc, I.A. Two Harbors Minn Mohr, Esther, Grad Seattle Mohr, Jennie, I.D. I.A. Seattle Mohr, Jennie, I.D. I.A. Seattle Moldstad, Harold, 1st Law. Mt Vernon Moll, Celeste, U.D. I.A. South Bend Monnes, Erling, Grad Seattle Monroe, George Henry, I.D. I.A. Ferndale Monson, Marvel, I.D. I.A. Bellingham Monson, George M, I.D. Bus Govan Monsen, Henry Emil, Spec. Portland, Ore Monteagle, Vera M, U.D. Ed. Seattle *Montgomery, Earl F, I.D. FA. Spokane Montilla, Froncisco, I.D. Bus Philippines Montilla, Jose R, I.D. Sci. Philippines Montilla, Jose R, I.D. Sci. Philippines Montilla, Jose R, I.D. Sci. Philippines Mooty, Clark W, U.D. Bus Vancouver Moore, Chas. A, Grad Seattle Moore, Charles S, Spec. Seattle Moore, Harold W, Unc. Bus. Filer, Ida Moore, Lynn C, U.D, Sci. Wenatchee Moore, Marquerite E, I.D. I.A. Seattle Moore, Marquerite E, I.D. I.A. Seattle
Mitchell, Mary, LD. LA
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H., I.D. Bus Kennewick Mithong, Otis J. U.D. EE. Rockford Mitsunaga, Talyn, Grad Seattle Mittleberger, Marion C, U.D. Jour Seattle Mitzle, Richard F, I.D. I.A. Yakima Morfitt, Robert C, Grad Spokane Mnoffitt, Robert C, Grad Spokane Mnyskens, Henry H, U.D. Sci. Pt Orchard Moher, Maybelle, Unc, I.A Two Harbors Minn Mohr, Esther, Grad Seattle Mohr, Jennie, I.D. I.A. Seattle Mohr, Jennie, I.D. I.A. Seattle Moldstad, Harold, 1st I.aw Mt Vernon Moll, Celeste, U.D. I.A. Arlington Moll, Phyllis A, I.D. I.A. South Bend Monnes, Erling, Grad Seattle Monroe, George Henry, I.D. I.A. Ferndale Monson Marvel, I.D. I.A. Bellingham Monson, George M, I.D. Bus Govan Monsen, Henry Emil, Spec. Portland, Ore Monteagle, Vera M, U.D. Ed Seattle Montogomery, Lois, I.D. FA. Red Lodge, Mont Montilla, Froncisco, I.D. Bus Philippines Montilla, Jose R, I.D. Sci. Philippines Montilla, Froncisco, I.D. Bus Philippines Montilla, Francisco, I.D. Bus Philippines Montilla, Francisco, I.D. Bus Philippines Monty, Clark W, U.D. Bus Vancouver Moore, Charles S, Spec Seattle Moore, Gerald Edward, Grad Seattle Moore, Gerald Edward, Grad Seattle Moore, Lynn C, U.D, Sci. Wenatchee Moore, Marguerite E, I.D. I.A. Seattle Moran, C Gilbert, 3rd Law Seattle Moran, C Gribert, 3rd Law Seattle Moran, C Ghibert, 3rd Law Seattle Moran, Charlotte, I.D. Bus Seattle Moran, Charlotte, I.D. Bus Seattle
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H., I.D. Bus Kennewick Mitchell, St. J. U.D. EEE Rockford Missunaga, Talyn, Grad Seattle Mittleberger, Marion C, U.D. Jour Seattle Mitzel, Richard F, I.D. I.A. Yakima Moget, Richard F, I.D. I.A. Yakima Moffitt, Robert C, Grad Spokane Mnyskens, Henry H, U.D. Sci. Pt Orchard Moher, Maybelle, Unc, I.A. Two Harbors Minn Mohr, Esther, Grad Seattle Mohr, Jennie, I.D. I.A. Seattle Mohr, Jennie, I.D. I.A. Seattle Moldstad, Harold, 1st Law Mt Vernon Moll, Phyllis A, I.D. I.A. South Bend Monnes, Erling, Grad Seattle Monroe, George Henry, I.D. I.A. Ferndale Monso, Marvel, I.D. I.A. Bellingham Monson, George M, I.D, Bus Govan Monsen, Henry Emil, Spec. Portland, Ore Monteagle, Vern M, U.D. Ed. Seattle Montgomery, Lois, I.D. FA. Spokane Montilla, Froncisco, I.D. Bus Philippines Montilla, Froncisco, I.D. Bus Philippines Montilla, Jose R, I.D. Sci. Philippines Mondilla, Jose R, I.D. Sci. Philippines Mondore, Charles S, Spec. Seattle Moore, Marguerite E, I.D. I.A. Seattle Moran, C Gilbert, 3rd Law Seattle Moran, Charlotte, I.D. Bus. Seattle Moran, Charlotte, I.D. Bus. Seattle Moran, Gharlotte, I.D. Bus. Seattle Moran, Helen F, I.D. I.A. Seattle Moran, Helen F, I.D. I.A. Seattle
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H., I.D. Bus Kennewick Mithong, Otis J. U.D. EE. Rockford Mitsunaga, Taiyn, Grad Seattle Mittleberger, Marion C, U.D. Jour Seattle Mittleberger, Marion C, U.D. Janes, Bus Bellingham Moffitt, Robert C, Grad Spokane Mnyskens, Henry H, U.D. Sei. Pt Orchard Moher, Maybelle, Unc, LA Two Harbors Minn Mohr, Esther, Grad Seattle Mohr, Jennie, I.D. LA Seattle Mohr, Jennie, I.D. LA Seattle Moldstad, Harold, 1st Law Mt Vernon Moll, Celeste, U.D. LA South Bend Monson, George Henry, I.D. LA Ferndale Monson, George Henry, I.D. LA Ferndale Monson, George Henry, I.D. LA Seattle Seattle Monson, George M, U.D. Bus Govan Montgomery, Lois, I.D. FA Spokane Montgomery, Lois, I.D. FA Red Lodge, Mont Montilla, Froncisco, I.D. Bus Philippines Moody, Clark W, U.D. Bus Philippines Moody, Clark W, U.D. Bus Philippines Moore, Charles S, Spec Seattle Moore, Gerald Edward, Grad Seattle Moore, Garald Edward, Grad Seattle Moore, Harold W, Unc. Bus Filer, Ida Moore, Unn C, U.D, Sci. Wenatchee Moore, Lynn C, U.D, Sci. Wenatchee Moore, Lynn C, U.D, Sci. Wenatchee Moore, Charles S, Spec Seattle Moore, Charles S, Spec Seattle Moore, Charles F, I.D. LA Seattle Moran, C Gilbert, 3rd Law Seattle Moran, C Gilbert, 3rd Law Seattle Moran, Helen F, I.D. LA Seattle Moran, Mendell, I.D. EE Seattle
Mitchell, Mary, I.D. I.A. Seattle Mitchell, Verne H., I.D. Bus Kennewick Mithong, Otis J. U.D. EE. Rockford Mitsunaga, Taiyn, Grad Seattle Mittleberger, Marion C, U.D. Jour Seattle Mitzle, Richard F, I.D. I.A. Yakima Moffitt, Robert C, Grad Spokane Moffitt, Robert C, Grad Spokane Myskens, Henry H. U.D. Sci. Pt Orchard Moher, Maybelle, Unc, I.A Two Harbors Minn Mohr, Esther, Grad Seattle Mohr, Jennie, I.D. I.A. Seattle Mohr, Jennie, I.D. I.A. Seattle Moldstad, Harold, 1st Law. Mt Vernon Moll, Celeste, U.D. I.A. South Bend Monnes, Erling, Grad Seattle Monroe, George Henry, I.D. I.A. Ferndale Monnes, Erling, Grad Seattle Monson, Marvel, I.D. I.A. Bellingham Monson, George M, I.D. Bus Govan Monsen, Henry Emil, Spec. Portland, Ore Monteagle, Vera M, U.D. Ed. Seattle Montgomery, Earl F, I.D. FA. Spokane Montilla, Froncisco, I.D. Bus Philippines Montilla, Jose R, I.D. Sci. Philippines Mooty, Clark W, U.D. Bus Vancouver Moore, Chasles S, Spec Seattle Moore, Charles S, Spec Seattle Moore, Charled R, Grad Seattle Moore, Marguerite E, I.D. I.A. Seattle Moore, Marguerite E, I.D. LA Seattle Moran, Carlotte, I.D. Bus Seattle Moran, Carlotte, I.D. Bus Seattle Moran, Charlotte, I.D. Bus Seattle Moran, Charlotte, I.D. Bus Seattle Moran, Helen F, I.D, I.A. Seattle Moran, Helen F, I.D, I.A. Seattle Moran, Helen F, I.D, I.A. Seattle Moran, Herbert T, I.D. Bus Seattle Moron, Herbert T, I.D. Bus Seattle
Miller, Eugene F, LD. Bus

Morford, S Harold, LD. I.A. Seattle Morgan, Alvin Quentin, I.D. For Seattle Morgan, Anna Ethel, Unc. Sci. Yakima Morgan, Lella Fay, I.D. Ed. Seattle Morgan, Mary Inez, I.D. I.A. Seattle Morgan, Mary Inez, I.D. I.A. Seattle Morgan, Mary Inez, I.D. I.A. Seattle Morgan, Yerona, UD, Bus. Seattle Morhous, Delbert M, I.D. EEE Seattle Morhous, Delbert M, I.D. EEE Seattle Morrins, Alvin, I.D. Bus. Coupeville Morris, Alvin, I.D. Bus. Coupeville Morris, Edward E, Unc. Law Seattle Morris, Edward E, Unc. Law Seattle Morris, Edward E, Unc. Law Seattle Morris, John R, Sp. Bus. Spokane Morris, Margaret B, UD. Sci. Medical Lake Morris, Margaret B, UD. Sci. Medical Lake Morris, Mrs. Marle B, Nur. Seattle Morrison, Marlon, I.D. I.A. Anacortes Morrison, Marlon, I.D. I.A. Seattle Morrison, Marlon, I.D. I.A. Seattle Morrison, Marlon, I.D. I.A. Seattle Morrison, Millar A, I.D. Bus. Spokane Morrison, Milliar A, I.D. Bus. Spokane Morrison, Wendell W, I.D. Bus. Buena Morrow, Leona M, 1st Law. Seattle Morrow, Ralph, I.D. Bus. Asotin Morrow, Velda Stella, Unc. Law Seattle Morse, Laura J, UD. I.A. Seattle Mose, Murle B, I.D. I.A. Seattle Mose, Murle B, I.D. I.A. Seattle Mose, Will, I.D. I.A. Seattle Mose, Will, I.D. I.A. Seattle Mose, Robert I., I.D. Bus. Spokane Mosler, Murle B, I.D. I.A. Seattle Mose, Robert I., I.D. Bus. Spokane Mosler, Murle B, I.D. I.A. Seattle Mose, Murle B, I.D. I.A. Seattle Mose, John S, I.D. EB. Leavenworth Moulton, Morris E, I.D. Bus. Spokane Mowan, George W, I.D. Bus. Seattle Mullen, Charles W, Jr. I.D. Bus. Seattle Mullen, John A, I.D. Eng. Tacoma Mueller, Marguerite E, I.D. Sci. Seattle Mullen, John A, I.D. Eng. Tacoma Mueller, Marguerite E, I.D. Sci. Seattle Murphy, Frances, I.D. Sci. Seattle Murphy, Harrold M, UD. Bus. Seattle Murphy, Harrold M, UD. Bus. Seattle Murphy, Mary E, I.D. Sci. Seattle Murphy, Harrold M, UD. Bus. Seattle Murphy, Harrold M, UD. EEE. Seattle Murphy, Harrold M, UD. EEE. Seattle Muth, R Lawrence, LD. EE. Seattle Myers, Abe, LD. ME. Seattle Myers, Carlyle G, LD. Sci. Seattle Myers, Donald P, UD. Bus. Seattle Myers, Elmer W. LD. EE. Seattle Myers, Evelyn, LD. Ed. Seattle Myers, Jack W, 1st Law Seattle Myers, Jean, LD. FA. Seattle Myers, Wendell B, LD. Bus. Seattle Myers, Wendell B, LD. Bus. Seattle

Nadeau, Mrs. Eleanore, LD. FA.....Seattle Nadeau, George F, LD. Bus.....Seattle

Naden, Edwin T, LD, EngOlympia Nagamine, Frank N, LD, FASeattle
Negomina Thank N III III Castela
Magamine, Flank N, LD, FA
Nagle, Paul, LD. PharSeattle
Nagler, Russell A. UD. SciYakima
Nahhas, Emmeline E, LD. LASeattle
Nash, Loie, LD. LABrewster
Neal, W. Edwin, UD. BusSeattle
Nealond, Isabelle M. LD. LA. Portland, Or
Neaville, John G. LD. LA Seattle
**Neely, J Ralph, LD, LA Spokane
Neely, Sue, UD, SciTacoma
Neer, Harry, LD, MESeattle
Neff. Anna Esther. LD. Sci Seattle
Neft, Anna, LD, Bus, Seattle
Neft, Rebecca, LA, Bus, Seattle
Neft, Tillie, LD, Bus
Neil. Delores, UD. LASeattle
Neilson, Evelyn F. LD. Sci Seattle
Neilson, Irene M. UD. FA. Kalispell, Mont
Nelson, Arthur E. Sp. Scl Seattle
Nelson, Arvid J. LD. For Monthorne
Nelson, Carl. IID. CEWinslow
Nelson, Esther O. LD. Sci
Nelson, Frances M. L.D. T.A. Lake Park, Minn
Nelson, C V Eng
Nelson, R Malcolm, Unc. Rus Seattle
Nelson, Frances LD LA Seattle
Nelson Hilding IID. Bus Seattle
Nelson James R LD Min Scottle
Nelson Josephine LD LA Seattle
Nolson Lord H J.D Rus Souttle
Noison Minnia W III) Jour Scottle
Noison Ned H III) Che Seettle
Nolon Norine I.D. I.A. Mt Vernon
Nolson Norman M I.D Fish Pt Angelog
Nottleton Alles Marie III T.A. Tessure
Nottleton Marie The Ed Kirkland
Norhana Washort F III Dhay Tagama
Normann Presel A I.D War Seettle
Noralla Task A T.D CE Sortila
Noville Tame Men TD TA Seetle
Nowhouse Loss Many LD LA South
Nombons Worl D T.D WA Portland Or
Mewbeary, Earl P, 110. FA Fordand, Or
Newbury, Kirsten Larssen, GradSeattle
Newbury, Kirsten Larssen, GradSeattle Newbern, Richard L, SpecSeattle
Newbury, Kirsten Larssen, GradSeattle Newbern, Richard L, SpecSeattle Newcomb, Muriel R, LD. FAOlympia
Newbury, Kirsten Larssen, GradSeattle Newbern, Richard L. SpecSeattle Newcomb, Murlel R. L.D. FAOlympia **Newcomb, Wallace R. FishOlympia Newcomb, Uliford O. I.D. FA. Lorsyworth
Newbury, Kirsten Larssen, GradSeattle Newborn, Richard L., SpecSeattle Newcomb, Muriel R., LD. FAOlympia **Newcomb, Wallace R., FishOlympia Newdall, Clifford O, LD. FA. Leavenworth
Newbury, Kirsten Larssen, Grad Seattle Newbern, Richard L. Spec Seattle Newcomb, Muriel R. LD. FA Olympia **Newcomb, Wallace R. Fish Olympia Newdall, Clifford O. LD. FA. Leavenworth Newell, James B. LD. EE Hoquiam Nowell, Large ID Sei
Newbury, Kirsten Larssen, Grad Seattle Newborn, Richard L. Spec Seattle Newcomb, Murlel R. L.D. FA Olympia **Newcomb, Wallace R. Fish Olympia Newdall, Clifford O. L.D. FA. Leavenworth Newell, James B, L.D. EE Hoquiam Newell, Laura, U.D. Sci Everett
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec Seattle Newcomb, Murlel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish Olympia Newdall, Clifford O. L.D. FA. Leavenworth Newell, James B, L.D. EE
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec Seattle Newcomb, Muriel R. L.D. FA Olympia **Newcomb, Wallace R. Fish Olympia Newdall, Clifford O. L.D. FA Leavenworth Newell, James B. L.D. EE
Newbury, Kirsten Larssen, Grad. Seattle Newborn, Richard L. Spec Seattle Newcomb, Murlel R. L.D. FA Olympia **Newcomb, Wallace R. Fish Olympia Newdall, Clifford O. L.D. FA. Leavenworth Newell, James B. L.D. EE Hoqulam Newell, Laura, U.D. Sci Everett Newlove, Gwendolyn G, U.D. LA Ft Lawton Newman, Andrew W, Unc. Law Elma Newman, Anne, U.D. LA Everett Newman, Lac. I. Sp. Phys. Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec Seattle Newcomb, Murlel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec Seattle Newcomb, Muriel R. L.D. FA Olympia **Newcomb, Wallace R. Fish Olympia Newdall, Clifford O. L.D. FA. Leavenworth Newell, James E. L.D. EE Hoquiam Newell, Laura, U.D. Sci Everett Newlove, Gwendolyn G, U.D. LA. Ft Lawton Newman, Andrew W, U.D. LA Elma Newman, Anne, U.D. LA Everett Newman, Lee L. Sp. Bus Seattle Newton, Mary H, L.D. LA Camp Lewis Newton, Mary H, L.D. LA Speckane.
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec Seattle Newcomb, Murlel R, LD. FA. Olympia **Newcomb, Wallace R, Fish Olympia Newdall, Clifford O, LD. FA. Leavenworth Newell, James B, LD. EE Hoqulam Newell, Laura, UD. Sci Everett Newlove, Gwendolyn G, UD. LA. Ft Lawton Newman, Andrew W, Unc. Law Elma Newman, Anne, UD. LA Everett Newman, Lee L, Sp. Bus Seattle Newton, Mary H, LD. LA Camp Lewis Newton, Mary E, Unc. LA Spokane **SNavice Bollyh E Bus Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec Seattle Newcomb, Murlel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish Olympia Newdall, Clifford O. L.D. FA. Leavenworth Newell, James B. L.D. EE Hoquism Newell, Laurs, U.D. Sci Everett Newlove, Gwendolyn G, U.D. LA. Ft Lawton Newman, Andrew W, Unc. Law Elma Newman, Anne, U.D. LA Everett Newman, Lee L, Sp. Bus Seattle Newton, May H, L.D. LA Camp Lewis Newton, May E, Unc. LA Spekane **Newton, Ralph E, Bus Seattle New North May E, Unc. LA Spekane **Newton, Ralph E, Bus Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Muriel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish. Olympia Newdall, Clifford O. L.D. FA. Leavenworth Newell, Laura, U.D. EE. Hoquiam Newell, Laura, U.D. Sci. Everett Newlove, Gwendolyn G, U.D. LA. Ft Lawton Newman, Andrew W, U.D. Law Elma Newman, Anne, U.D. LA. Everett Newman, Anne, U.D. LA. Camp Lewis Newton, Mary H, L.D. LA. Camp Lewis Newton, Mary H, L.D. LA. Camp Lewis Newton, May E, U.D. LA. Spekane **Newton, Ralph E, Bus Seattle Ney, Marie E, L.D. Ed. Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Murlel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish. Olympia Newdall, Clifford O, L.D. FA. Leavenworth Newell, James B, L.D. EE Hoquism Newell, Laura, U.D. Sci. Everett Newlove, Gwendolyn G, U.D. LA. Ft Lawton Newman, Andrew W, Unc. LA. Everett Newman, Anne, U.D. LA Elma Newman, Anne, U.D. LA Everett Newman, Lee L, Sp. Bus Seattle Newton, Mary H, L.D. LA Camp Lewis Newton, Mary H, L.D. LA Spokane **Newton, Ralph E, Bus Seattle Neylan, Margaret, U.D. FA. Elkaden, Iowa Nichols Horold E LD. Se. Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec Seattle Newcomb, Muriel R. LD. FA. Olympia **Newcomb, Wallace R. Fish Olympia Newdall, Clifford O. LD. FA. Leavenworth Newell, James B. LD. EE Hoquiam Newell, Laura, UD. Sci Everett Newlove, Gwendolyn G, UD. LA. Ft Lawton Newman, Andrew W, Unc. Law Elma Newman, Anne, UD. LA Everett Newman, Lee L, Sp. Bus Seattle Newton, Mary H, LD. LA Camp Lewis Newton, Mary H, LD. LA Spekane **Newton, Ralph E, Bus Seattle Neylan, Margaret, UD. FA. Elkaden, Iowa Nichols, Harold E, LD. Sci Seattle Neylon, Mary H, LD. Sci Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec Seattle Newcomb, Murlel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish Olympia Newdall, Clifford O, L.D. FA. Leavenworth Newell, James B, L.D. EE Hoquiam Newell, Laura, UD. Sci Everett Newlove, Gwendolyn G, UD. LA. Ft Lawton Newman, Andrew W, Unc. Law Elma Newman, Anne, UD. LA Everett Newman, Lee L, Sp. Bus Seattle Newton, Mary H, L.D. LA Camp Lewis Newton, Mary H, L.D. LA Spokane **Newton, Ralph E, Bus Seattle Ney, Marie B, L.D. Ed Seattle Neylan, Margaret, UD, FA. Elkaden, Iowa Nichols, Mary, L.D. Ed Seattle Nichols, Mary, L.D. Ed Seattle Nichols, Mary, L.D. Ed Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Bichard L. Spec Seattle Newcomb, Murlel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Bichard L, Spec. Seattle Newcomb, Muriel R, LD. FA. Olympia **Newcomb, Wallace R, Fish. Olympia Newdall, Clifford O, LD. FA. Leavenworth Newell, Laura, UD. Sci. Everett Newlove, Gwendolyn G, UD. LA. Ft Lawton Newman, Andrew W, Unc. Law Elma Newman, Anne, UD. LA. Everett Newman, Anne, UD. LA. Everett Newman, Lee L, Sp. Bus Seattle Newton, Mary H, LD. LA. Camp Lewis Newton, Mary H, LD. LA. Spekane **Newton, Ralph E, Bus Seattle Ney, Marie B, Unc. LA Spekane Neylan, Margaret, UD. FA. Elkaden, Iowa Nichols, Harold E, LD. Sci Seattle Nichols, Ross, LD. Ed. Seattle Nichols, Ross, LD. Ed. Seattle Nichols, Ross, LD. Ed. Seattle Nicholson, Catherine, LD. FA. Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Murlel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish. Olympia Newdall, Clifford O, L.D. FA. Leavenworth Newell, James B, L.D. EE. Hoquism Newell, Laura, UD. Sci. Everett Newlove, Gwendolyn G, UD. LA. Ft Lawton Newman, Andrew W, Unc. Law. Elma Newman, Anne, UD. LA. Everett Newman, Lee L, Sp. Bus. Seattle Newton, Mary H, L.D. LA. Camp Lewis Newton, Mary H, L.D. LA. Camp Lewis Newton, Ralph E, Bus. Seattle Ney, Marie E, L.D. Ed. Seattle Neylan, Margaret, UD, FA. Elkaden, Iowa Nichols, Harvold E, L.D. Ed. Seattle Nichols, Ross, L.D. EE. Seattle Nicholos, Georgia, L.D. Ed. Seattle Nicholson, Catherine, L.D. FA. Seattle Nicholson, Georgia, L.D. Ed. Seattle Nicholson, Georgia, L.D. Ed. Seattle Nicholson, Lee Boy. L.D. Ed. Seattle Nicholson, L.D. FA. Seattle Nicholson, Lee Boy. L.D. Ed. Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Hichard L. Spec. Seattle Newcomb, Muriel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish. Olympia Newdall, Clifford O. L.D. FA. Leavenworth Newell, James B. L.D. EE. Hoquism Newell, Laurs, U.D. Sci. Everett Newlove, Gwendolyn G, U.D. LA. Ft Lawton Newman, Andrew W, Unc. Law Elma Newman, Anne, U.D. LA. Everett Newman, Lee L, Sp. Bus. Seattle Newton, Mary H, L.D. LA. Camp Lewis Newton, Mary H, L.D. LA. Spekane **Newton, Ralph E, Bus. Seattle Ney, Marie E, L.D. Ed. Seattle Neylan, Margaret, U.D. FA. Elkaden, Iowa Nichols, Harold E, L.D. Sci. Seattle Nichols, Mary, L.D. Ed. Seattle Nichols, Ross, L.D. EE. Seattle Nicholson, Georgia, L.D. Ed. Seattle Nicholson, Georgia, L.D. FA. Elkaden, Seattle Nicholson, Georgia, L.D. FA. Seattle Nicholson, Lee Roy, L.D. Phar Ellensburg Nicholson, Lee Roy, L.D. Phar Ellensburg
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Murlel R. LD. FA. Olympia **Newcomb, Wallace R. Fish. Olympia Newdall, Clifford O, LD. FA. Leavenworth Newell, James B, LD. EE Hoqulam Newell, Laura, UD. Sci. Everett Newlove, Gwendolyn G, UD. LA. Ft Lawton Newman, Andrew W, Unc. Law. Elma Newman, Anne, UD. LA. Everett Newman, Lee L, Sp. Bus. Seattle Newton, Mary H, LD. LA. Camp Lewis Newton, Mary E, Unc. LA. Spokane **Newton, Ralph E, Bus. Seattle Ney, Marie B, LD. Ed. Seattle Neylan, Margaret, UD. FA. Elkaden, Iowa Nichols, Mary, LD. Ed. Seattle Nichols, Ross, LD. Ed. Seattle Nicholson, Georgia, LD. Ed. Seattle Nicholson, Catherine, LD. FA. Seattle Nicholson, Lee Roy, LD. FA. Seattle Nicholson, Lee Roy, LD. Fhar Ellensburg Nicholson, Lee Roy, LD, Phar Ellensburg Nicholson, Margund LD. Fal. Seattle Nicholson, Lee Roy, LD, Phar Ellensburg Nicholson, Margund LD. Fal. Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Murlel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish. Olympia Newdall, Clifford O, L.D. FA. Leavenworth Newell, James E, L.D. EE. Hoquism Newell, Laurs, UD. Sci. Everett Newlove, Gwendolyn G, UD. LA. Ft Lawton Newman, Andrew W, Unc. Law Elma Newman, Anne, UD. LA. Elma Newman, Anne, UD. LA. Everett Newman, Lee L, Sp. Bus Seattle Newton, Mary H, L.D. LA. Camp Lewis Newton, Mary H, L.D. LA. Camp Lewis Newton, May E, Unc. LA. Spokane **Newton, May E, Unc. LA. Spokane **Newton, Marje E, L.D. Ed. Seattle Ney, Marie E, L.D. Ed. Seattle Neylan, Margaret, UD. FA. Elkaden, Iowa Nichols, Mary, L.D. Ed. Seattle Nicholson, Catherine, L.D. FA. Seattle Nicholson, Catherine, L.D. FA. Seattle Nicholson, Georgia, L.D. Ed. Seattle Nicholson, Georgia, L.D. Ed. Seattle Nicholson, Lee Roy, L.D. Phar Ellensburg Nicholson, Lee S, 1st Law Yakima Nicholson, Margie, UD, Ed. Seattle Nicholson, Margie, UD, Ed. Seattle Nicholson, Margie, UD, Ed. Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Muriel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish. Olympia Newdall, Clifford O. L.D. FA. Leavenworth Newell, Laurs, U.D. Sci. Everett Newlove, Gwendolyn G, U.D. LA. Ft Lawton Newman, Andrew W, U.D. Law Elma Newman, Anne, U.D. LA. Everett Newman, Lee L. Sp. Bus. Seattle Newton, May H, L.D. LA. Camp Lewis Newton, May E, U.D. LA. Spokane **Newton, Ralph E, Bus. Seattle Newton, Ralph E, Bus. Seattle Ney, Marie E, L.D. Ed. Seattle Neylan, Margaret, U.D. FA. Elkaden, Iowa Nichols, Harold E, L.D. Sci. Seattle Nichols, Mary, L.D. Ed. Seattle Nicholson, Catherine, L.D. FA. Seattle Nicholson, Georgia, L.D. Ed. Seattle Nicholson, Georgia, L.D. Ed. Seattle Nicholson, Lee Roy, L.D. Phar Ellensburg Nicholson, Lee Roy, L.D. Phar Ellensburg Nicholson, Margle, U.D. Ed. Seattle Nicholson, William Otto. L.D. Em. Tacoms
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Murlel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish. Olympia Newdall, Clifford O. L.D. FA. Leavenworth Newdall, James B. L.D. EE Hoquiam Newdall, Laura, UD. Sci. Everett Newlove, Gwendolyn G, UD. LA. Ft Lawton Newman, Andrew W, Unc. Law. Elma Newman, Anne, UD. LA. Everett Newman, Lee L, Sp. Bus. Seattle Newman, Lee L, Sp. Bus. Seattle Newton, Mary H, LD. LA. Camp Lewis Newton, Mary H, LD. LA. Camp Lewis Newton, Mary E, Unc. LA. Spokane **Newton, Ralph E, Bus. Seattle Ney, Marie B, LD. Ed. Seattle Neylan, Margaret, UD, FA. Elkaden, Iowa Nichols, Harold E, LD. Sci. Seattle Nicholson, Catherine, LD. FA. Seattle Nicholson, Catherine, LD. FA. Seattle Nicholson, Lee Roy, LD. Phar Ellensburg Nicholson, Lee Roy, LD. Phar Seattle Nicholson, Margle, UD, Ed. Seattle Nicholson, Sinclair, LD, Bus. Seattle Nicholson, William Otto, LD, Eng. Tacoma Nikkel Lucille F, LD, Rus. Monroe
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Murlel R. LD. FA. Olympia **Newcomb, Wurlel R. LD. FA. Olympia **Newcomb, Wurlel R. LD. FA. Leavenworth Newdall, Clifford O, LD. FA. Leavenworth Newell, James E, LD. EE. Hoquiam Newell, James E, LD. EE. Hoquiam Newell, Laura, UD. Sci. Everett Newlove, Gwendolyn G, UD. LA. Ft Lawton Newman, Andrew W, Unc. Law Elma Newman, Anne, UD. LA. Everett Newman, Lee L, Sp. Bus. Seattle Newton, Mary H, LD. LA. Camp Lewis Newton, Mary H, LD. LA. Spekane **Newton, May E, Unc. LA. Spekane **Newton, May E, Unc. LA. Spekane **Newton, Ralph E, Bus. Seattle Ney, Marrie E, LD. Ed. Seattle Neylan, Margaret, UD, FA. Elkaden, Iowa Nichols, Harold E, LD. Sci. Seattle Nicholson, Gatherine, LD. FA. Seattle Nicholson, Catherine, LD. FA. Seattle Nicholson, Lee S, 1st Law. Yakima Nicholson, Margie, UD, Ed. Seattle Nicholson, Margie, UD, Ed. Seattle Nicholson, Sinclair, LD, Bus. Seattle Nicholson, Sinclair, LD, Bus. Seattle Nickerson, Priscilla, LD. Rus. Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Muriel R. LD. FA. Olympia **Newcomb, Wallace R. Fish. Olympia Newdall, Clifford O, LD. FA. Leavenworth Newell, James B, LD. EE. Hoqulam Newell, Laura, UD. Sci. Everett Newlove, Gwendolyn G, UD. LA. Ft Lawton Newman, Andrew W, Unc. Law. Elma Newman, Anne, UD. LA. Everett Newman, Lee L, Sp. Bus. Seattle Newman, Lee L, Sp. Bus. Seattle Newton, Mary H, LD. LA. Camp Lewis Newton, Mary E, Unc. LA. Spokane **Newton, Ralph E, Bus. Seattle Ney, Marie B, LD. Ed. Seattle Neylan, Margaret, UD. FA. Elkaden, Iowa Nichols, Harold E, LD. Ed. Seattle Nichols, Mary, LD. Ed. Seattle Nicholson, Georgia, LD. Ed. Seattle Nicholson, Catherine, LD. FA. Seattle Nicholson, Lee Roy, LD. Fa. Seattle Nicholson, Margie, UD. Ed. Seattle Nicholson, Margie, UD. Ed. Seattle Nicholson, Millam Otto, LD. Eng. Tacoma Nickel, Lucille F, LD, Bus. Seattle Nicholson, Florice, LD, Bus. Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Murlel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish. Olympia Newdall, Clifford O, L.D. FA. Leavenworth Newell, James B, L.D. EE. Hoquism Newell, Laurs, UD. Sci. Everett Newlove, Gwendolyn G, UD. LA. Ft Lawton Newman, Andrew W, Unc. LA. Everett Newman, Anne, UD. LA. Everett Newman, Anne, UD. LA. Everett Newman, Lee L, Sp. Bus. Seattle Newton, Mary H, L.D. LA. Camp Lewis Newton, Mary H, L.D. LA. Camp Lewis Newton, Ralph E, Bus. Seattle Ney, Marie E, L.D. Ed. Seattle Neylan, Margaret, UD. FA. Elkaden, Iowa Nichols, Mary, L.D. Ed. Seattle Nicholson, Catherine, L.D. FA. Seattle Nicholson, Gatherine, L.D. FA. Seattle Nicholson, Georgia, L.D. Ed. Seattle Nicholson, Georgia, L.D. Ed. Seattle Nicholson, Georgia, L.D. Ed. Seattle Nicholson, Hee Roy, L.D. Phar Ellensburg Nicholson, Margie, UD, Ed. Seattle Nicholson, Margie, UD, Ed. Seattle Nicholson, Sinclair, L.D. Bus. Seattle Nicholson, Wargie, UD, Ed. Seattle Nicholson, Wargie, UD, Ed. Seattle Nicholson, Sinclair, L.D. Bus. Seattle Nicholson, William Otto, L.D. Eng. Tacoma Nickel, Lucille F, L.D. Bus. Seattle Nicholson, Priscilla, L.D. Bus. Seattle Nicholson, Parecilla, L.D. Bus. Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Murlel R. LD. FA. Olympia **Newcomb, Wurlel R. Fish. Olympia **Newcomb, Wurlel R. Fish. Olympia Newdall, Clifford O, LD. FA. Leavenworth Newell, James E, LD. EE. Hoquism Newell, Laurs, UD. Sci. Everett Newlove, Gwendolyn G, UD. LA. Ft Lawton Newman, Andrew W, Unc. Law Elma Newman, Anne, UD. LA. Everett Newman, Anne, UD. LA. Everett Newman, Lee L, Sp. Bus. Seattle Newton, Mary H, LD. LA. Camp Lewis Newton, Mary H, LD. LA. Spokane **Newton, May E, Unc. LA. Spokane **Newton, May E, Unc. LA. Spokane **Newton, Ralph E, Bus. Seattle Ney, Marie E, LD. Ed. Seattle Ney, Marie E, LD. Ed. Seattle Nichols, Harold E, LD. Sci. Seattle Nicholson, Georgia, LD. Ed. Seattle Nicholson, Georgia, LD. FA. Seattle Nicholson, Lee Roy, LD. Phar Ellensburg Nicholson, Lee Roy, LD. Phar Ellensburg Nicholson, Lee Roy, LD. Bas. Seattle Nicholson, William Otto, LD, Eng. Tacoma Nickel, Lucille F, LD, Bus. Seattle Nicolai, Florice, LD, Bus. Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Murlel R. LD. FA. Olympia **Newcomb, Wallace R. Fish. Olympia Newdall, Clifford O. LD. FA. Leavenworth Newell, James B. LD. EE. Hoquiam Newell, Laura, UD. Sci. Everett Newlove, Gwendolyn G, UD. LA. Ft Lawton Newman, Andrew W, Unc. Law. Elma Newman, Anne, UD. LA. Everett Newman, Lee L, Sp. Bus. Seattle Newman, Lee L, Sp. Bus. Seattle Newton, Mary H, LD. LA. Camp Lewis Newton, Mary E, Unc. LA. Spokane **Newton, Ralph E, Bus. Seattle Ney, Marie B, LD. Ed. Seattle Neylan, Margaret, UD, FA. Elkaden, Iowa Nichols, Harold E, LD. Sci. Seattle Nicholson, Gatherine, LD. FA. Seattle Nicholson, Gatherine, LD. FA. Seattle Nicholson, Lee Roy, LD. Phar Ellensburg Nicholson, Lee Roy, LD. Phar Ellensburg Nicholson, Hogo, Loy, Loy, Dhar Seattle Nicholson, Sinclair, LD, Bus. Seattle Nicholson, William Otto, LD, Eng. Tacoma Nikkel, Lucille F, LD, Bus. Seattle Nicolal, Florice, LD, Bus. Seattle Nicolal, Florice, LD, Bus. Seattle Nicolal, Florice, LD, Bus. Seattle Nicolan, Evelyn F, LD, Bus. Seattle Nielsen, Evelyn F, LD, Sci. Seattle Nielsen, Thora E, UD, Ed. Seattle
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Murlel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish. Olympia Newdall, Clifford O, L.D. FA. Leavenworth Newell, James E, L.D. EE. Hoquism Newell, James E, L.D. EE. Hoquism Newell, Laurs, U.D. Sci. Everett Newlove, Gwendolyn G, U.D. LA. Ft Lawton Newman, Andrew W, Unc. Law Elma Newman, Anne, U.D. LA. Everett Newman, Andrew W, Unc. Law Elma Newman, Lee L, Sp. Bus Seattle Newton, Mary H, L.D. LA. Camp Lewis Newton, Mary H, L.D. LA. Camp Lewis Newton, Mary E, Unc. LA. Spokane **Newton, Ralph E, Bus Seattle Ney, Marie E, L.D. Ed. Seattle Neylan, Margaret, U.D. FA. Elkaden, Iowa Nichols, Harold E, L.D. Sci. Seattle Nicholson, Catherine, L.D. FA. Seattle Nicholson, Catherine, L.D. FA. Seattle Nicholson, Georgia, L.D. Ed. Seattle Nicholson, Lee S, Ist Law Yakima Nicholson, Lee S, Ist Law Yakima Nicholson, Margie, U.D. Ed. Seattle Nicholson, Margie, U.D. Ed. Seattle Nicholson, Sinclair, L.D. Bus Seattle Nicholson, William Otto, L.D, Eng. Tacoma Nickel, Lucille F, L.D, Bus Seattle Nicholson, Florice, L.D, Bus Seattle Nicholson, Florice, L.D, Bus Sunnyside Nielsen, Evelyn F, L.D, Sci. Seattle Nielsen, Evelyn F, L.D, Sci. Seattle Nielsen, Evelyn F, L.D, Sci. Seattle Nielsen, William Alfred U.D. Bus Spokane Nielsen William Alfred U.D. Bus Spokane
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Murlel R. LD. FA. Olympia **Newcomb, Wallace R. Fish. Olympia Newdall, Clifford O, LD. FA. Leavenworth Newell, James B, LD. EE Hoqulam Newell, Laura, UD. Sci. Everett Newlove, Gwendolyn G, UD. LA. Ft Lawton Newman, Andrew W, Unc. Law. Elma Newman, Andrew W, Unc. Law. Elma Newman, Lee L, Sp. Bus. Seattle Newton, Mary H, LD. LA. Camp Lewis Newton, Mary H, LD. LA. Camp Lewis Newton, May E, Unc. LA. Spokane **Newton, Ralph E, Bus. Seattle Neylan, Margaret, UD. FA. Elkaden, Iowa Nichols, Mary, LD. Ed. Seattle Nichols, Mary, LD. Ed. Seattle Nicholson, Georgia, LD. Ed. Seattle Nicholson, Catherine, LD. FA. Seattle Nicholson, Lee Roy, LD. FA. Seattle Nicholson, Lee Roy, LD. Phar Ellensburg Nicholson, Margle, UD. Ed. Seattle Nicholson, Margle, UD. Ed. Seattle Nicholson, Millam Otto, LD, Eng. Tacoma Nicholson, Millam Otto, LD, Bus. Seattle Nicolai, Florice, LD, Bus. Seattle Nicelsen, Forder, LD, LA. Seattle Nicelsen, Forder, LD, LA. Seattle Nielsen, Thora E, UD. Ed. Spokane Nielsen, Forren, LD, LA. Nelson Minn Nielsen, William Alfred, UD, Bus. Spokane Nielsen, William Alfred, UD, Bus. Spokane
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Murlel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish. Olympia Newdall, Clifford O. L.D. FA. Leavenworth Newell, James B. L.D. EE. Hoquiam Newell, Laura, UD. Sci. Everett Newlove, Gwendolyn G, UD. LA. Ft Lawton Newman, Andrew W. Unc. Law. Elma Newman, Anne, UD. LA. Everett Newman, Anne, UD. LA. Everett Newman, Lee L, Sp. Bus. Seattle Newman, Lee L, Sp. Bus. Seattle Newton, Mary H, L.D. LA. Camp Lewis Newton, Ralph E, Bus. Seattle Ney, Marie E, L.D. Ed. Seattle Neylan, Margaret, UD. FA. Elkaden, Iowa Nichols, Harold E, L.D. Ed. Seattle Nicholson, Catherine, L.D. FA. Seattle Nicholson, Catherine, L.D. FA. Seattle Nicholson, Lee Roy, L.D. Phar. Ellensburg Nicholson, Lee Roy, L.D. Haw. Yakima Nicholson, Lee Roy, L.D. Bus. Seattle Nicholson, Lee S, 1st Law. Yakima Nicholson, Margle, UD, Ed. Seattle Nicholson, Sinclair, L.D. Bus. Seattle Nicholson, Sinclair, L.D. Bus. Seattle Nicholson, William Otto, L.D. Eng. Tacoma Nickel, Lucille F, L.D, Bus. Seattle Nicholson, Priscilla, L.D, Bus. Seattle Nicholson, Priscilla, L.D, Bus. Seattle Nicholson, Priscilla, L.D, Bus. Seattle Nicholson, Florice, L.D, Bus. Seattle Nicholson, Florice, L.D, Bus. Seattle Nicholson, Thora E, L.D, Bus. Seattle Nielsen, Rvelyn F, L.D, Sci. Seattle Nielsen, Thora E, UD. Ed. Spokane Nielson, Jorgen, L.D, LA. Nelson, Minn Niemels, L. William, L.D. LA. Centerville
Newbury, Kirsten Larssen, Grad. Seattle Newbern, Richard L. Spec. Seattle Newcomb, Murlel R. L.D. FA. Olympia **Newcomb, Wallace R. Fish. Olympia Newdall, Clifford O, L.D. FA. Leavenworth Newell, James E, L.D. EE. Hoquism Newell, James E, L.D. EE. Hoquism Newell, Laurs, U.D. Sci. Everett Newlove, Gwendolyn G, U.D. LA. Ft Lawton Newman, Andrew W, Unc. Law Elma Newman, Anne, U.D. LA. Everett Newman, Anne, U.D. LA. Everett Newman, Lee L, Sp. Bus. Seattle Newton, Mary H, L.D. LA. Camp Lewis Newton, Mary H, L.D. LA. Spokane **Newton, May E, Unc. LA. Spokane **Newton, Ralph E, Bus. Seattle Ney, Marie E, L.D. Ed. Seattle Neylan, Margaret, U.D. FA. Elkaden, Iowa Nichols, Harold E, L.D. Sci. Seattle Nichols, Mary, L.D. Ed. Seattle Nicholson, Catherine, L.D. FA. Seattle Nicholson, Catherine, L.D. FA. Seattle Nicholson, Lee S, 1st Law Yakima Nicholson, Lee S, 1st Law Yakima Nicholson, Margie, U.D. Ed. Seattle Nicholson, Sinclair, L.D. Bus. Seattle Nicholson, Milliam Otto, L.D. Bus. Seattle Nicholson, Florice, L.D. Bus. Seattle Niclosen, Priscilla, L.D. Bus. Seattle Niclosen, Priscilla, L.D. Bus. Seattle Niclosen, Florice, L.D. Bus. Seattle Niclosen, Florice, L.D. Bus. Seattle Niclosen, Florice, L.D. Bus. Seattle Nielsen, Fevelyn F, L.D. Sci. Seattle Nielsen, Fevelyn F, L.D. Sci. Seattle Nielsen, Thora E, U.D. Ed. Spokane Nielsen, Joseph, Lat. Nelson, Minn Niemela, L. William L.D. LA. Centerville Nielvinski, Joseph, 1st Law Seattle
Naden, Edwin T. LD, Eng. Olympia Nagamine, Frank N, LD, FA. Seattle Nagler, Bussell A, UD, Sci. Yakima Nahhas, Emmeline E, LD. LA. Seattle Nash, Loie, LD. LA. Brewster Neal, W. Edwin, UD, Bus. Seattle Nealond, Isabelle M, LD, LA. Portland, Or Neaville, John G, LD, LA. Spokane Neely, J Ralph, LD, LA. Spokane Neely, J Ralph, LD, LA. Spokane Neely, Sue, UD, Sci. Tacoma Neer, Harry, LD, MB. Seattle Neff, Anna, Esther, LD, Sci. Seattle Neff, Anna, LD, Bus. Seattle Neff, Tillie, LD, Bus. Seattle Netl, Delores, UD, LA. Seattle Nellson, Evelyn F, LD. Sci. Seattle Nellson, Evelyn F, LD. Sci. Seattle Nellson, Arthur E, Sp. Sci. Seattle Nelson, Arthur E, Sp. Sci. Seattle Nelson, Carl, UD, CE. Winslow Nelson, Esther O, LD, Sci. Mt Vernon Nelson, Esther O, LD, Sci. Mt Vernon Nelson, B Malcolm, Unc. Bus. Seattle Nelson, Hidding, UD, Bus. Seattle Nelson, James B, LD, LA. Seattle Nelson, Josephine, LD. LA. Seattle Nelson, Josephine, LD. LA. Seattle Nelson, Norlne, LD. LA. Seattle Nelson, Norman M, LD, Fish. Pt Angeles Nettleton, Alice Marie, UD. LA. Seattle Newbeury, Kirsten Larssen, Seattle Newbeury, Lors Mary, LD. LA. Seattle Newbeury, Lors Mary, LD. LA. Seattle Newbeury, Lors Mary, LD. LA. Seattle Newbeury, Earl P, LD. Fa. Portland, Or Newblury, Kirsten Larssen, Grad. Seattle Newbeury, Laura May, LD. LA. Seattle Newbeury, Raiph, Bus. Seattle Newbeury, Bus. Seattle Newbeury, Earl P, LD. Fa. Portland, Or Newben, Anrie E, LD. Es. Seattle Newboun, Mary H, D. Ed. Seattle Nicholson, Georgia, LD. Ed. Seattle Nicholson, Georgia, LD. Ed. Seattle Nicholson, Sinclair, LD. Bus. Seattle Nicholson, Hershert, LD. Bus. Seattle Nicholson, Hollien, LD. Ed. Seattle Nicholson, Sinclair, LD. Bus. Seattle Nicholson, Hersher, LD. Ed. Seattle

Nishinaini, John I, LD, ForSeattle
Attonium, voin 1, 110, Doi
Nishio, Frank, LD, EESeattle
Nichtweld Nobro IID Tour Tenen
Tibutwaki, Tiobuo, OD, Jour
Nishiwaki, Nobuo, UD, JourJapan Nitschke, Paul H, LD, SciThe Dalles, Or Nix, Martha J, UD, LASeattle
Niv Mowths T III T.A Scottle
Tit, mitting of Oil, Dig
Noble, Alvord D, LD, CESeattle
**Noel, Lionel S, LD, EESnohomish
Troci, Littlet S, LD, LEB SHORUMISH
Nolan, Michael J. UD. CESeattle
\$\$Nolan Vincent A Rue Coettle
Moran, Vincent A, Dus
Nolan, Michael J. UD, CESeattle **Nolan, Vincent A, BusSeattle Noland, Frank H, Sp, BusBremerton
Noll, Mark D, UD, BusSeattle
TOM, MILLE D, UD, DUS
Noll, Pauline, UD, SciSeattle
Nollan, William, LD, LAKirkland Nolte, Elizabeth, LD, BusSeattle
Troisen, Williams, 1117, 112
Noite, Elizabeth, LD, Bus Seattle
Nordahl, John G. LD. EESeattle
Manually than C TD Des Till and Ale
Nordale, Alton G, LD, Bus Fairdanks, Ala
Nordale, Alton G, LD, Bus Fairbanks, Ala Nordale, Anita M, LD, Ed. Fairbanks, Aka Nordholm, Olga E, UD, LASeattle
N
normolim, Olga E, UD, LA Seattle
Nordlie, Glenn J. UD. EESeattle
Nordstrom, Esther C, LD, FASeattle
Norustrom, Estiler C, LD, FA Sentile
Nordstrom, Everett, UD, BusSeattle
Norie, Mary E, LD, LA
Horie, mary E, LD, DA
Norquist, Melvin A. UD. BusSeattle
Normin Dolph H ID Dra Goottle
Morris, marpir 11, 110, Dus
Northfield, Walter D. UD, BusSeattle
Norton, Robert, 2nd Law Olympia Norton, Theodore E, LD, LA Tacoma Norway, Charis Julia, LD, FA Seattle Norwood, Helen E, LD, FA Seattle
Morron, modert, and naw
Norton, Theodore E, LD, LATacoma
Norway Charle Inlie I.D WA Souttle
Marie Tolor
Norwood, Heien E, LD, FA Seattle
Notkin, James B, Unc, MERussia
Names Dated to TD TM Contille
Movian, Minia Patricia, LD, Ed Seatue
Novlan, Emma Patricia, LD, EdSeattle Nowak, Helen M, UD, LASeattle Nowell, Frances, LD, LASeattle
Morroll Thomass TT TA Contile
Nowell, Frances, LD, LAseathe
Nuelsen, Harry E, UD, BusYakima
Numero Minera ID IN Dellemme
Numoto, Minoru, LD, EEBellevue
Nusbaum, Dean E. LD. LA Seattle
Null I Marrowd In I.D I.A Coettle
Nusbaum, Dean E, LD, LASeattle Null, J Edward, Jr, LD, LASeattle Nutley, Cyril Arthur, LD, BusSeattle
Nutley, Cyril Arthur, LD, Bus Seattle
Nydin, Clarence Alfred, UD, BusSeattle
Nygard, Erik, UD, EngSeattle
Nyquist, Marie R, UD, PharSeattle
, denot rul or a maritime

Oakes, Ruth Elsie, UD, Sci
Oakley, Mary E, Grad. Seattle Obsen, Dan, LD, FA. Seattle Oblen, Mauro G, Fr. Eng. Philippines O'Brien, Edith, LD, LA. Seattle O'Brien, Wayne, LD, Bus. Seattle O'Brien, John Jennings, Unc, Law. Seattle O'Gallaghan, Claud V, UD, Bus. Seattle O'Connell, Charles W, UD, Bus Seattle O'Connell, Thomas A, UD, For. Seattle O'Conner, Clinton Jay, LD, Bus. Tacoma O'Conner, Walter B, LD, LA. Seattle Odegard, Peter H, LD, LA. Seattle Odegard, Peter H, UD, LA. Seattle Odegard, Formas, LD, LA. Seattle Odegard, Thomas, LD, LA. Seattle Ogarta, Kokichi, Grad Japan **O'Heron, Thomas, EE. Seattle Okajima, Thelma S, Unc, Ed. Seattle Okajima, Thelma S, Unc, Ed. Seattle
Odlen, Mauro G. Fr. Eng. Philippines O'Brien, Edith, I.D, I.A. Seattle O'Brien, Wayne, I.D, Bus. Seattle O'Brien, John Jennings, Unc, Law. Seattle O'Callaghan, Claud V, UD, Bus. Seattle O'Connell, Charles W, UD, Bus. Seattle O'Connell, Thomas A, UD, For. Seattle O'Connell, Thomas A, UD, For. Seattle O'Conner, Clinton Jay, I.D, Bus. Tacoma O'Conner, Walter B, I.D, Bus. Seattle Odegard, Peter H, I.D, I.A. Seattle Odegard, Paul N, I.D, Ed. Seattle Odegard, Thomas, I.D, I.A. Seattle Odegard, Thomas, I.D, I.A. Seattle Odegard, Thomas, I.D, I.A. Seattle Odegard, Grown Mary, I.D, FA. Seattle Ogerts, Kokichi, Grad Japan **O'Heron, Thomas, EE. Seattle Okajima, Thelma S, Unc, Ed. Seattle Okajima, Thelma S, Unc, Ed. Seattle
Odlen, Mauro G. Fr. Eng. Philippines O'Brien, Edith, I.D, I.A. Seattle O'Brien, Wayne, I.D, Bus. Seattle O'Brien, John Jennings, Unc, Law. Seattle O'Callaghan, Claud V, UD, Bus. Seattle O'Connell, Charles W, UD, Bus. Seattle O'Connell, Thomas A, UD, For. Seattle O'Connell, Thomas A, UD, For. Seattle O'Conner, Clinton Jay, I.D, Bus. Tacoma O'Conner, Walter B, I.D, Bus. Seattle Odegard, Peter H, I.D, I.A. Seattle Odegard, Paul N, I.D, Ed. Seattle Odegard, Thomas, I.D, I.A. Seattle Odegard, Thomas, I.D, I.A. Seattle Odegard, Thomas, I.D, I.A. Seattle Odegard, Grown Mary, I.D, FA. Seattle Ogerts, Kokichi, Grad Japan **O'Heron, Thomas, EE. Seattle Okajima, Thelma S, Unc, Ed. Seattle Okajima, Thelma S, Unc, Ed. Seattle
O'Brien, Wayne, LD, Bus
O'Brien, Wayne, LD, Bus
O'Brien, John Jennings, Unc, Law. Seattle O'Callaghan, Claud V, UD, Bus. Seattle O'Connell, Charles W, UD, Bus. Seattle O'Connell, Charles W, UD, Bus. Seattle O'Connell, Thomas A, UD, For. Seattle Oconner, Clinton Jay, LD, Bus. Tacoma O'Conner, Walter B, LD, Bus. Seattle Odegard, Peter H, LD, LA. Seattle Odegard, Paul N, LD, CE. Seattle Odegard, Peter H, UD, LA, Seattle O'Connell, Helen P, Unc, Bus. Pt Angeles Oertel, Anna Mary, LD, FA. Seattle O'Donnell, Helen P, Unc, Bus. Pt Angeles Oertel, Anna Mary, LD, FA. Seattle O'Bries Koklchi, Grad Japan **O'Heron, Thomas, EE. Seattle Okagima, Thelma S, Unc, Ed. Seattle Okagima, Thelma S, Unc, Ed. Seattle
OCDS, MATTAR ES, LD, LA
OCDS, MATTAR ES, LD, LA
Oconner, Clinton Jay, LD, Bus. Tacoma O'Conner, Walter B, LD, Bus. Seattle Odegard, Peter H, LD, LA. Seattle Odegard, Peter H, UD, LA. Seattle Odegard, Peter H, UD, LA. Seattle Odegard, Thomas, LD, LA. Seattle O'Donnell, Helen P, Unc, Bus. Pt Angeles Oertel, Anna Mary, LD, FA. Seattle Ogarta, Kokichi, Grad Japan *O'Heron, Thomas, EE. Seattle Okajima, Thelma S, Unc, Ed. Seattle Okazaki, Iwao, LD, LA. Seattle
Oconner, Clinton Jay, LD, Bus. Tacoma O'Conner, Walter B, LD, Bus. Seattle Odegard, Peter H, LD, LA. Seattle Odegard, Peter H, UD, LA. Seattle Odegard, Peter H, UD, LA. Seattle Odegard, Thomas, LD, LA. Seattle O'Donnell, Helen P, Unc, Bus. Pt Angeles Oertel, Anna Mary, LD, FA. Seattle Ogarta, Kokichi, Grad Japan *O'Heron, Thomas, EE. Seattle Okajima, Thelma S, Unc, Ed. Seattle Okazaki, Iwao, LD, LA. Seattle
Oconner, Clinton Jay, LD, Bus. Tacoma O'Conner, Walter B, LD, Bus. Seattle Odegard, Peter H, LD, LA. Seattle Odegard, Peter H, UD, LA. Seattle Odegard, Peter H, UD, LA. Seattle Odegard, Thomas, LD, LA. Seattle O'Donnell, Helen P, Unc, Bus. Pt Angeles Oertel, Anna Mary, LD, FA. Seattle Ogarta, Kokichi, Grad Japan *O'Heron, Thomas, EE. Seattle Okajima, Thelma S, Unc, Ed. Seattle Okazaki, Iwao, LD, LA. Seattle
O'Conner, Walter B, LD, Bus. Seattle Odegard, Peter H, LD, LA. Seattle Odegard, Paul N, LD, CE. Sentile Odegard, Peter H, UD, LA. Seattle Odegard, Thomas, LD, LA. Seattle O'Donnell, Helen P, Unc, Bus. Pt Angeles Oertel, Anna Mary, LD, FA. Seattle O'Garta, Koklchi, Grad Japan **O'Heron, Thomas, EE. Seattle Okajima, Thelma S, Unc, Ed. Seattle Okajima, Iwao, LD, LA. Seattle
Odegard, Paul N. LD, CB. Seattle Odegard, Peter H, UD, LA. Seattle Odegard, Thomas, LD, LA. Seattle O'Donnell, Helen P, Unc, Bus. Pt Angeles Oertel, Anna Mary, LD, FA. Seattle Ogarta, Kokichi, Grad Japan **O'Heron, Thomas, EE. Seattle Okajima, Thelma S, Unc, Ed. Seattle Okazaki, Iwao, LD, LA. Seattle
Odegard, Paul N. LD, CB. Seattle Odegard, Peter H, UD, LA. Seattle Odegard, Thomas, LD, LA. Seattle O'Donnell, Helen P, Unc, Bus. Pt Angeles Oertel, Anna Mary, LD, FA. Seattle Ogarta, Kokichi, Grad Japan **O'Heron, Thomas, EE. Seattle Okajima, Thelma S, Unc, Ed. Seattle Okazaki, Iwao, LD, LA. Seattle
O'Donnell, Heien F, Unc, Bus. Ft Angeles Oertel, Anna Mary, LD, FA
O'Donnell, Heien F, Unc, Bus. Ft Angeles Oertel, Anna Mary, LD, FA
O'Donnell, Heien F, Unc, Bus. Ft Angeles Oertel, Anna Mary, LD, FA
Oertel, Anna Mary, 10, 5A. Seattle Ogaria, Koklchi, Grad Japan **O'Heron, Thomas, EE. Seattle Okaziki, Iwao, LD, LA. Seattle Okaziki, Iwao, LD, LA. Seattle
Ogarta, Kokichi, GradJapan **O'Heron, Thomas, EESeattle Okajima, Thelma S, Unc, EdSeattle Okazaki, Iwao, LD, LASeattle
**O'Heron, Thomas, EESeattle Okajima, Thelma S, Unc, EdSeattle Okazaki, Iwao, LD, LASeattle
Okajima, Thelma S, Unc, Ed. Seattle Okazaki, Iwao, LD, LA. Seattle *O'Keefe, John Bayard, Bus. Bolse Ida Olcott, Virgina, LD, Sci. Billings, Mont O'Leary, John E, LD, CE. Mt Vernon O'Leary, Kathleen, LD, FA. Seattle Oleson, Mildred E, LD, LA. Seattle Oleson, Thomas R. LD, LA. Seattle
Okazaki, Iwao, LD, LA
**O'Keefe, John Bayard, BusBolse Ida Olcott, Virgina, LD, SciBillings, Mont O'Leary, John E, LD, CEMt Vernon O'Leary, Kathleen, LD, FASeattle Oleson, Mildred B, LD, LASeattle Oleson, Thomas B, LD, LASeattle
Olcott, Virgina, LD, Sct Billings, Mont O'Leary, John E, LD, CE Mt Vernon O'Leary, Kathleen, LD, FA Seattle Oleson, Mildred E, LD, LA Seattle Oleson, Thomas B, LD, LA Seattle
O'Leary, John E, LD, CEMt Vernon O'Leary, Kathleen, LD, FASeattle Oleson, Mildred E, LD, LASeattle Oleson, Thomas R, LD, LASeattle
O'Leary, Kathleen, LD, FASeattle Oleson, Mildred E, LD, LASeattle Oleson, Thomas R. LD, LASeattle
Oleson, Mildred E, LD, LASeattle Oleson, Thomas R. LD, LASeattle
Oleson, Thomas R. LD. LA Seattle
Olin, Thomas H, LD, BusSeattle
Oliver, Orno R. LD, ChEAlderton
Oliver, Roneta, UD, LASeattle
Olmsted, Eslie, LD, FAEnterprise, Or
**Olsen, Alf E, LD, BusRedmond
Olsen, Amos F, UD, BusDavenport
Olsen, Blanche A, LD, BusSeattle
**Olsen, Carl M, LD, OEStanwood

Olsen, Esther O, LD, LALa Center Olsen, Franklin E, LD, BusTacoma Olsen, Frederick C, Unc, LAZillah Olsen, Boy N, LD, BusStamwood Olsen, Thomas L, LD, LASeattle
Olsen, Franklin E, LD, BusTacoma
Olsen, Frederick C. Unc. LAZillah
Olsen, Roy N. LD. BusStanwood
Olsen, Thomas L. LD, LA Seattle
Olean Postulas M. III. Sel. Meduce On
Olson, Beatrice M, UD, SciMadras, Or
Olson, Carl, LD, LASeattle
Olson, Beatrice M, UD, Sci. Madras, Or Olson, Carl, LD, LA. Scattle Olson, Genevieve, LD, LA. Raymond Olson, Helen F, UD, Ed. Seattle Olson, Jenny E, LD, LA. Monroe
Olson, Helen F, UD, EdSeattle
Olson, Jenny E, LD, LAMonroe
Olson, Mrs Marie H, Unc, Ed. College Place Olson, Norma L, LD, FA. Seattle Olson, Olga C, LD, LA. Madras, Or *Olson, Ronald L, Ed. Seattle
Olgon Norma L. LD EA Seattle
Oleon Oleo C LD LA Modres Or
Stolean Devold T 17d Contile
Olson, Ronard L, Ed
Olson, warren E, LD, MinTacoma
Olawang, Abe M, LD, EngTacoma
Olwell, Eugene E, UD, BusSeattle
Olwell, Murray Michael, LD, Bus. Seattle
O'Neal, Harold E. LD. Sci Yakima
O'Neel Flenry C. LD. Eng. Portland, Or
O'Noil Arthur W Spor Souttle
**Olson, Ronald L, Ed. Seattle Olson, Warren E, LD, Min. Tacoma Olswang, Abe M, LD, Eng. Tacoma Olwell, Eugene E, UD, Bus. Seattle O'Neal, Harold E, LD, Scl. Yakima O'Neel, Henry C, LD, Eng. Portland, Or O'Neil, Arthur W, Spec. Seattle O'Neil, Muriel R, LD, Bus. Spokane O'Neill, Larkin A, UD, Bus. Seattle O'Neill, W T. LD. Bus. Seattle
O'Neil, Muriei R. III, DusSpokule
O'Nelli, Larkin A, UD, BusSeatue
O'Neill, W T, LD, BusSeattle
Ong, Emma Z, LD, FASeattle
Onsum, Elizabeth, LD, FASeattle
Orne. Stanley, UD, JourSeattle
Orosa, Jose Y. LD. BusPhilippines
Orr. Gilbert M. LD. For Woodburn, Or
O'Neili, W T, LD, Bus. Seattle O'Neili, W T, LD, Bus. Seattle Ong, Emma Z, LD, FA. Seattle Onsum, Elizabeth, LD, FA. Seattle Orne, Stanley, UD, Jour. Seattle Ornes, Jose Y, LD, Bus. Philippines Orr, Gilbert M, LD, For. Woodburn, Or Orr, Paul J, UD, Ed. Redmond **Orr Bobert I, ME Portland Or
##Own Dehant T. MT Destland On
Orr, Paul J. UD, Ed
Orrett, Barbara P, LD, BusTucoma
Orth, Maurice W, LD, LA Seattle
Orton, Helen Cook, LD, LAAberdeen
Orvis, John M Jr, LD, BusMissoula, Mont
Osa, Lorents, LD, SciTacoma
Osawa, Haru, LD, LASeattle
Osberg, Anita Lenore, Unc Bus
Osborne Cleo C. L.D. Eng Tacoma
Occur Orland I.D Brg Scottle
Openiosh Toba A TTD TA Tager
Osgniack, John A, OD, DA
Osgood, Ernest W, LD, FAScattle
Ostensen, Floyd C. UD, Sci Bremerton
Ostrand, Hildur W, UD, LASeattle
Ostrom, Cyrus Warren, UD, EE Seattle
Otis, Kenneth D, LD, BusSeattle Otis, Leota B, UD, LAOlympia
Otis, Leota B. UD. LAOlympia
Otis Virgil B. LD. BusOlympia
Onellette Victor R LD LA Olympia
Overscher Myron T IJ) Eng Saettle
Overacker, Myron T, LD, EngSeattle
Overacker, Myron T, LD, EngSeattle Overguard, Julia O, LD, SciSenttle
Overacker, Myron T, LD, Eng. Seattle Overguard, Julia O, LD, Sci. Seattle Overmeyer, Sara M, LD, LA. Chehalls
Overacker, Myron T, LD, Eng. Seattle Overguard, Julia O, LD, Sci. Seattle Overmeyer, Sara M, LD, LA. Chehalis Owen, Mrs Elizabeth H P. Grad Seattle
Otis, Virgil B, LD, Bus
Overacker, Myron T, LD, Eng. Seattle Oversguard, Julia O, LD, Scl. Seattle Overmeyer, Sara M, LD, LA. Chehalls Owen, Mrs Elizabeth H P, Grad Seattle Owings, Mary M, LD, LA. Olympia Owsley, Joseph H, UD, EE Seattle
Overacker, Myron T, LD, Eng. Seattle Overguard, Julia O, LD, Sci. Seattle Overmeyer, Sara M, LD, LA. Chehalis Owen, Mrs Elizabeth H P, Grad. Seattle Owings, Mary M, LD, LA. Olympia Owsley, Joseph H, UD, EE. Seattle Oxman. J Donald, Unc, Law. Seattle
Overacker, Myron T, LD, Eng. Seattle Oversguard, Julia O, LD, Sel. Seattle Overmeyer, Sara M, LD, LA. Chehalls Owen, Mrs Elizabeth H P, Grad Seattle Owings, Mary M, LD, LA. Olympia Owsley, Joseph H, UD, EE Seattle Oxman, J Donald, Unc, Law Seattle

Park, Madge, UD, Ed	Seattle
Parker, Arline L, LD, Bus	Seattie
Parker, David L. LD. Bus	Vashon
Parker, Lester T. 1st Law	Elma
Parker, Marie, LD, Ed	Seattle
Parker, William D, LD, ChE	Seattle
Parkhouse, Russell K, LD, Bus	Tacoma
Parkins, Wright Aimer, UD, Mil	elltrage
Parks, Clarence T, LD, FishF	Sastile
Parr James W. IID. EE	Seattle
Parrington, Elizabeth, UD, LA	Seattle
Parrish, Frank Jr, UD, Bus	Seattle
Parrish, Karl B, LD, Bus	Seattle
Parry, Jane, LD, Ed	Seattle
Parson, Maude, LD, Sci	Colfax
Partiow, Katharine, UD, Sci	.Ulympia
Pascual, Eduardo F, Unc, Ed. F	hilippines
Poshlav Harry R LD. ME	Seattle
Patchett Reniamin F. LD. ChE.	llensburg
Patchett, Glenn A. LD. For	Illensburg
Patchin, Wilber H, Grad	Birdsview
Paton, Donald G, LD, Bus	Cashmere
**Patton, Frank W, EngTwin	falls, Ida
Patten, Maurice W. UD, Mil	Seattle
Patten, William T, Jr, LD, For	seatue
Patterson, Bernice, UD, Sci	Souttle
Potterson, Bert. LD. LA	ellingham
Patterson, Ira F. LD. CE	Seattle
Paulik, Andrew, LD, EE	Seattle
Paulsen, Pauline, LD, Scl	Seattle
Paulson, Olive, LD, Bus	Seattle
Paxton, Mrs Vera S, LD, FA	Seattle
Payne, M Caroline, LD, Ed	Seattle
Peabody, Emery F, LD, Bus	Soottle
Pagrop Richard LD FA	Seattle
Pearson, E Holger, LD, EE	oak Point
Pearson, Paul E. LD. Bus	Seattle
Peck, Hazel, Unc. LA	Seattle
Peebles, Orville E, LD, LA	.Hoqulam
Peel, Marian, LD, LA	Beattle
Peers, Rose F, Unc, Sci	Okonogen
Polham Trong T Spac T.A	Reattle
Pelz. Freda E. UD. Bus	goettle.
Pelz. Gladys Irene. LD. LA	
Pelz. Irma M. UD. Sci	Seattle
	Seattle
**Penas, Nazario, UD, For	Seattle Seattle Seattle
**Penas, Nazario, UD, For Pence, David W, LD, EngPor	Seattle Seattle Seattle
**Penas, Nazario, UD, For Pence, David W, LD, EngPo Pendleton, Helen, LD, LA	Seattle Seattle Seattle Seattle
Pence, David W, LD, EngPor Pendleton, Helen, LD, LA Penewell, Marion F, LD, Sci	Seattle Seattle Seattle tland, Or Seattle Seattle
**Penas, Nazario, UD, For Pence, David W, LD, EngPor Pendleton, Helen, LD, LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law	Seattle Seattle Seattle Island, Or Seattle Seattle Seattle
**Penas, Nazario, UD, For Pence, David W, LD, EngPor Pendleton, Helen, LD. LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA	Seattle Seattle Seattle tland, Or Seattle Seattle Seattle Seattle
**Penas, Nazario, UD, For Pence, David W, LD, EngPoi Pendleton, Helen, LD. LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennell, Geneva E, LD, LA	Seattle Seattle Seattle Seattle tland, Or Seattle Seattle Seattle Seattle
**Penas, Nazario, UD, For Pence, David W, LD, EngPoi Pendleton, Helen, LD, LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennell, Geneva E, LD, LA Pentzer, Kathryn D, LD, FA	Seattle
**Penas, Nazario, UD, For Pence, David W, LD, EngPo Pendleton, Helen, LD. LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennell, Geneva E, LD, LA Pentzer, Kathryn D, LD, FA Paplow, Marion L, LD, LA	Seattle
**Penas, Nazarlo, UD, For Penece, David W, LD, EngPol Pendleton, Helen, LD, LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennell, Geneva E, LD, LA Pentzer, Kathryn D, LD, FA Paplow, Marion L, LD, LA Pepper, Echo D, Grad	Seattle
**Penas, Nazario, UD, For Pence, David W, LD, EngPoi Pendicton, Helen, LD, LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennell, Geneva E, LD, LA Pentzer, Kathryn D, LD, FA Paplow, Marion L, LD, LA Pepper, Echo D, Grad Percival, Winnifred, UD, Sci	Seattle
**Penas, Nazario, UD, For Pence, David W, LD, Eng. Por Pendleton, Helen, LD, LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennell, Geneva E, LD, LA Pentzer, Kathryn D, LD, FA Paplow, Marion L, LD, LA Pepper, Echo D, Grad Percival, Winnifred, UD, Sci Perdue, Edgar A, LD, Bus	Seattle Seattle Seattle Seattle tland, Or Seattle
**Penas, Nazarlo, UD, For Penece, David W, LD, EngPol Pendleton, Helen, LD, LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennell, Geneva E, LD, LA Pentzer, Kathryn D, LD, FA Paplow, Marion L, LD, LA Pergrey, Echo D, Grad Percival, Winnifred, UD, Sci Perdue, Edgar A, LD, Bus Perelle, Charles W, LD, Eng. Ju Perrine, Jack C, LD, LA	Seattle
**Penas, Nazario, UD, For Pence, David W, LD, EngPoi Pendicton, Helen, LD, LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennell, Geneva E, LD, LA Pentzer, Kathryn D, LD, FA Paplow, Marion L, LD, LA Pepper, Echo D, Grad Perdue, Edgar A, LD, Bus Perelle, Charles W, LD, Eng. Jw Perine, Jack C, LD, LA Perkins, Dorris Ellen, LD, FA	Seattle
**Penas, Nazario, UD, For Pence, David W, LD, EngPo: Pendleton, Helen, LD, LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennell, Geneva E, LD, LA Pentzer, Kathryn D, LD, FA Paplow, Marion L, LD, IA Pepper, Echo D, Grad Percival, Winnifred, UD, Sci Perdue, Edgar A, LD, Bus Perelle, Charles W, LD, Eng. Ju Perine, Jack C, LD, LA Perkins, Dorris Ellen, LD,FA	Seattle
**Penas, Nazarlo, UD, For Pence, David W, LD, Eng Pondleton, Helen, LD, LA Penewell, Marion F, LD, Sci Pennand, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennell, Geneva E, LD, LA Pentzer, Kathryn D, LD, FA Paplow, Marion L, LD, FA Paplow, Marion L, LD, Eng Percival, Winnifred, UD, Sci Perdue, Edgar A, LD, Bus Perelle, Charles W, LD, Eng. Ju Perine, Jack C, LD, LA Perkins, Dorris Ellien, LD, FA Perkins, Julian F, LD, Bus Perkins, Melville F, UD, ChE	Seattle
**Penas, Nazario, UD, For Pence, David W, LD, Eng Pondleton, Helen, LD, LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennell, Geneva E, LD, LA Pentzer, Kathryn D, LD, FA Paplow, Marion L, LD, LA Pepper, Echo D, Grad Perdue, Edgar A, LD, Bus Perdue, Edgar A, LD, Eng. Ju Perline, Jack C, LD, LA Perkins, Dorris Ellen, LD, FA Perkins, Melville F, UD, ChE Perkins, Melville F, UD, ChE Perkins, Sam H, LD, Bus	Seattle Montesano
**Penas, Nazario, UD, For Pence, David W, LD, EngPoi Pendicton, Helen, LD, LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennell, Geneva E, LD, LA Pentzer, Kathryn D, LD, FA Paplow, Marion L, LD, FA Pepper, Echo D, Grad Percival, Winnifred, UD, Sci Perdue, Edgar A, LD, Bus Perelle, Charles W, LD, Eng. Ju Perine, Jack C, LD, LA Perkins, Dorris Ellen, LD,FA Perkins, Melville F, UD, ChE Perkins, Sam H, LD, Bus Perkins, Sam H, LD, Bus Perkins, Soloman, UD, CE	Seattle
**Penas, Nazarlo, UD, For Pence, David W, LD, EngPol Pendleton, Helen, LD, LA Penewell, Marion F, LD, Sci Pennewell, Marion F, LD, Sci Pennend, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennell, Geneva E, LD, LA Pentzer, Kathryn D, LD, FA Paplow, Marion L, LD, LA Pepper, Echo D, Grad Pereival, Winnifred, UD, Sci Perduc, Edgar A, LD, Bus Perelle, Charles W, LD, Eng. Ju Perine, Jack C, LD, LA Perkins, Dorris Ellen, LD, FA Perkins, Dorris Ellen, LD, FA Perkins, Sam H, LD, Bus Perkins, Soloman, UD, ChE Perlin, Charles S, LD, LA Perrine, Charles S, LD, LA	Seattle Montesan Seattle Seattle
**Penas, Nazario, UD, For Pence, David W, LD, Eng Ponece, David W, LD, Eng Pendleton, Helen, LD. LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penne, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennell, Geneva E, LD, LA Pentzer, Kathryn D, LD, FA Paplow, Marion L, LD, LA Pepper, Echo D, Grad Pertval, Winnifred, UD, Sci Perdue, Edgar A, LD, Bus Perdue, Charles W, LD, Eng. Ju Perline, Jack C, LD, LA Perkins, Dorris Ellen, LD,FA Perkins, Julian F, LD, Bus Perkins, Sam H, LD, Bus Perlin, Soloman, UD, CE Perrine, Charles S, LD, LA Perry, Frank Wesley, Spec	Seattle
**Penas, Nazario, UD, For Pence, David W, LD, EngPoi Pendicton, Helen, LD, LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Geneva E, LD, LA Pennell, Geneva E, LD, LA Pentzer, Kathryn D, LD, FA Paplow, Marion L, LD, FA Pepper, Echo D, Grad Percival, Winnifred, UD, Sci Perdue, Edgar A, LD, Bus Perelle, Charles W, LD, Eng. Jw. Perine, Jack C, LD, LA Perkins, Dorris Ellen, LD, FA Perkins, Melville F, UD, ChB Perkins, Sam H, LD, Bus Perlin, Soloman, UD, CE Perry, Frank Wesley, Spec Perry, Geneva M, LD, FA Perry, Geneva M, LD, FA Perry, Gladys H, UD, Bus Perry, Gladys H, UD, Bus Perry, Prank Wesley, Spec Perry, Gladys H, UD, Bus Perry	Seattle
**Penas, Nazarlo, UD, For Pence, David W, LD, Eng Pendleton, Helen, LD, LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennter, Kathryn D, LD, FA Pentzer, Kathryn D, LD, FA Paplow, Marion L, LD, LA Pepper, Echo D, Grad Pereival, Winnifred, UD, Sci Perduc, Edgar A, LD, Bus Perelle, Charles W, LD, Eng. Ju Perine, Jack C, LD, LA Perkins, Dorris Ellen, LD, FA Perkins, Melville F, UD, ChB Perkins, Sam H, LD, Bus Perlin, Charles S, LD, LA Perry, Frank Wesley, Spec Perry, Geneva M, LD, FA Perry, Gladys H, UD, Bus Perry, Mary B.	Seattle Tacoma
**Penas, Nazario, UD, For. Pence, David W, LD, Eng. Pol Pendleton, Helen, LD, LA. Penewell, Marion F, LD, Sci. Penland, Elledge R, 1st Law. Penn, Joseph Hill, LD, Bus. Pennell, Dorothy W, UD, LA. Pennell, Geneva E, LD, LA. Pentzer, Kathryn D, LD, FA. Paplow, Marion L, LD, FA. Paplow, Marion L, LD, EA. Pertval, Winnifred, UD, Sci. Perdue, Edgar A, LD, Bus. Perdue, Charles W, LD, Eng. Ju Perine, Jack C, LD, LA. Perkins, Dorris Ellen, LD, FA. Perkins, Melville F, UD, ChE. Perkins, Sam H, LD, Bus. Perlin, Soloman, UD. CE. Perry, Frank Wesley, Spec. Perry, Geneva M, LD, FA. Perry, Gladys H, UD, Bus. Po Perry, Gladys H, UD, Bus. Po Perry, Mary B.	Seattle Tacoma Seattle Seattle Seattle Tacoma Seattle Tacoma Seattle Seattle Tacoma Seattle
**Penas, Nazario, UD, For Pence, David W, LD, Eng Pendleton, Helen, LD, LA Penewell, Marion F, LD, Sci Penland, Elledge R, 1st Law Penn, Joseph Hill, LD, Bus Pennell, Dorothy W, UD, LA Pennell, Geneva E, LD, LA Pennell, Geneva E, LD, LA Pentzer, Kathryn D, LD, FA Paplow, Marion L, LD, LA Pepper, Echo D, Grad Percival, Winnifred, UD, Sci Perdue, Edgar A, LD, Bus Perdue, Edgar A, LD, Eng. Ju Perline, Jack C, LD, LA Perkins, Dorris Ellen, LD, FA Perkins, Julian F, LD, Bus Perkins, Melville F, UD, ChE Perkins, Sam H, LD, Bus Perlin, Soloman, UD, CE Perry, Geneva M, LD, FA Perry, Frank Wesley, Spec Perry, Gladys H, UD, Bus Perry, Mary B Personeus, Lewis H, LD, CE	Seattle Tacoma Seattle
**Penas, Nazarlo, UD, For. Pence, David W, LD, Eng. Pol Pendleton, Helen, LD, LA. Penewell, Marion F, LD, Sci. Penland, Elledge R, 1st Law. Penn, Joseph Hill, LD, Bus. Pennell, Dorothy W, UD, LA. Pentenell, Geneva E, LD, LA. Pentzer, Kathryn D, LD, FA. Paplow, Marion L, LD, LA. Pepper, Echo D, Grad. Percival, Winnifred, UD, Sci. Perduc, Edgar A, LD, Bus. Perelle, Charles W, LD, Eng. Ju Perine, Jack C, LD, LA. Perkins, Dorris Ellen, LD, FA. Perkins, Melville F, UD, ChB. Perkins, Sam H, LD, Bus. Perelin, Charles S, LD, LA. Perry, Frank Wesley, Spec. Perry, Geneva M, LD, FA. Perry, Giadys H, UD, Bus. Perry, Giadys H, UD, Bus. Personeus, Lewis H, LD, CB. Personeus, Lewis H, LD, CB. Personeus, George A, UD, EES.	Seattle
Parker, Arline L, LD, Bus. Parker, David L, LD, Bus. Parker, Lester T, 1st Law. Parker, Marie, LD, Ed. Parkhouse, Russell K, LD, Bus. **Parkins, Wright Almer, UD, MF Parks, Clarence T, LD, Fish. P Parks, Dorris B, LD, LA. **Parkins, Bright Almer, UD, MF Parks, Obrris B, LD, LA. **Parkins, Frank Jr, UD, Bus. Parrington, Elizabeth, UD, LA. Parrish, Frank Jr, UD, Bus. Parrish, Frank Jr, UD, Bus. Parrish, Karl B, LD, Bus. Parrish, Karl B, LD, Bus. Parrow, Maude, LD, Scl. Parlow, Katharine, UD, Scl. Pascual, Eduardo F, Unc, Ed. F Pascual, Felix F, LD, Ed. Pascual, Felix F, LD, Ed. Patchett, Glenn A, LD, For. Patchett, Glenn A, LD, For. Patten, William T, Jr, LD, For. Patterson, Bernice, UD, Scl. Patterson, Bernice, UD, Scl. Patterson, Hiram S, Grad. Patterson, Bert, LD, LA. Patterson, Bert, LD, LB. Patterson, Ira F, LD, CE. Paulisen, Pauline, LD, Scl. Paulsen, Pauline, LD, Scl. Payne, M Caroline, LD, EE. Paulsen, Pauline, LD, Bus. Paxton, Mrs Vera S, LD, FA. Payne, M Caroline, LD, Ed. Pearson, Paul E, LD, Bus. Pearce, Richard, LD, FA. Pearson, Paul E, LD, Bus. Pearce, Richard, LD, FA. Pearson, Paul E, LD, Bus. Peck, Hazel, Unc, LA. Peels, Glodys Irene, LD, LA. Peels, Glodys Irene, LD, LA. Peels, Gladys Irene, LD, LA. Peels, Irma M, UD, Scl. **Pennas, Nazario, UD, For. Penewell, Marion F, LD, Scl. Pennadicton, Helen, LD, LA. Perene, Joseph Hill, LD, Bus. Pennell, Geneva E, LD, LA. Perene, Joseph Hill, LD, Bus. Perene, Charles W, LD, Eng. Perene, Charles W, LD, Eng. Perene, Charles S, LD, LA. Pererine, Joseph Hill, LD, Bus. Perene, Joseph Hill, LD, Bus. Perene, Gladys Irene, LD, LA. Pererine, Joseph Hill, LD, Bus. Perene, Joseph Hill, LD, Bus. Perenell, Geneva E, LD, LA. Pererine, Joseph Hill, LD, Bus. Pererine, Joseph Hill, LD, Bus. Pererine, Charles S, LD, LA. Pererine, Joseph Hill, LD, Bus. Pererine, Josep	Seattle Tacoma Seattle Seattle Seattle Seattle Seattle Charkston Seattle Clarkston Seattle

Peters, John Albert, LD, MESpangle
Peters, Louis C, LD, BusSpangle
Peterson, Alvin A, UncSeattle
Peterson, Agnes C, UD, LAMoscow, Ida
receison, Agnes C, OD, DAMoscow, Int.
Peterson, Carl H. LD, Bus
Peterson, Carrie H, UD, EdWardner, Ida
Peterson, Grace H. Sp. EdSeattle
Peterson, Howard H. LD. EE. Walls Walls
Peterson Howard I I.D EE Sunnyaida
Potogram Inaz H IID T.A. Saettla
Potomon Tune ID TA Conttle
Potensen, Irelle, III, IIASeatue
Peterson, E Jennings, LD, LA Seattle
Peterson, Karl, SpecSeattle
Peterson, Katherine W, LD, FASpokane
Peterson, La Verne R, LD, EngSeattle
**Petersen, Loren Allen, LD, Bus. Scattle
Peterson, Ole T. Unc. Ed Seattle
Peterson, Richard F. LD. Bus Tacome
Poterson Tholms P I.D FA Granger
Determen Welter D. III. Cal. Di Dichelm
Peterson, Watter R, UD, SciPt Blakely
Peterson, Wendell F, LD, Bus Seattle
Peterson, A William, LD, BusClarkston
Peterson, William Payson, LD, Bus. Alpine
Peterson, William Payson, LD, BusAlpine
Petit, Thomas A. LD. LAIlwaco
Petrie, James, LD, EngSenttle
Petrie, Roy A LD, Bug. Clarkston
Pottit Holen I.D Soi Santile
Dettit Hanny M Tine 1717 Contile
Petit, Henry M., Ouc, EEseitue
Petritt, Ruth, UD, LA,
Pettyjonn, Carrie M, UD, SciPrescott
Peyser, Ethan Allen, 3rd LawSeattle
Pfeufer, Philip P. UD, SciSeattle
Phelps, Ellen, LD, LASeattle
Philips, Beth, LD, SciSeattle
Phelps, Howard R. LD. Eng Tacoma
Philips John O. L.D. T.A. Seattle
Philips Philip M IID Rus Volime
Philips Trails W TD IA Wilmington Dol
Dhiling Dishard W. IID Dra Coattle
rumps, Atchard I, OD, BusSeattle
Phillips, Constance, LD, FASeattle
Phillips, Harry J, Unc, EngSeattle
rinnips, merbert, 120, Eng
Phillips, J Clarence, LD, LAAlmira
Phillips, J Clarence, LD, LAAlmira Phillips, John W. LD, PharHadlock
Phillips, J Clarence, LD, LAAlmira Phillips, John W, LD, PharHadlock Phillips, LD, FASeattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Teoma Phinns Guy F Une LA Four Lakes
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevieve M, UD, LA Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng. Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Pickard, W Burt, LD, Bus Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevleve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Pickard, W Burt, LD, Bus Seattle Pickard, Way Belle, Unc, LA Mt Vernon
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Plckard, W Burt, LD, Bus Seattle Plckard, W Burt, LD, Bus Seattle Plckard, W Belle, Unc, LA Mt Vernon Pldduck, Marjorle K, LD, FA Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Pickard, W Burt, LD, Bus Seattle Pickett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD. Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Plckett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorle K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Tacoma Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Pickard, W Burt, LD, Bus Seattle Pickett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorle K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Fred B, 2nd Law Sacramento, Cal
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Pletkett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Fred R. 2nd Law Sacramento, Cal Pierce, Fred R. 2nd Law Sacramento, Cal Pierce, Dorothy A LD. LA Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevleve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Plckard, W Burt, LD, Bus Seattle Plckard, W Burt, LD, Bus Seattle Plckard, Warjorle K, LD, FA Seattle Plerce, Aleene E, UD, Ed Seattle Plerce, Clarence W, 1st Law Seattle Plerce, Fred R. 2nd Law Seartle Plerce, Fred R. 2nd Law Seattle Plerce, Gordon LD, Bis Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Seattle Phillips, Walter T, LD, LA Seattle Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Pickard, W Burt, LD, Bus Seattle Pickard, W Burt, LD, Els Seattle Pickett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Fred R. 2nd Law Sacramento, Cal Pierce, Dorothy A, LD, LA Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Gordon, LD, Bus Seattle
Peterson, Alvin A, Unc. Seattle Peterson, Alvin A, Unc. Seattle Peterson, Agnes C, UD, LA. Moscow, Ida Peterson, Carle H, UD, Ed. Wardner, Ida Peterson, Grace H, Sp. Ed. Seattle Peterson, Grace H, Sp. Ed. Seattle Peterson, Grace H, Sp. Ed. Seattle Peterson, Howard H, LD, EE. Walla Walla Peterson, Howard H, LD, EE. Walla Walla Peterson, Inez H, UD, LA. Seattle Peterson, E Jennings, LD, LA. Seattle Peterson, E Jennings, LD, LA. Seattle Peterson, E Jennings, LD, LA. Seattle Peterson, Karl, Spec. Seattle Peterson, La Verne R, LD, FRA. Spokane Peterson, La Verne R, LD, FRA. Spokane Peterson, Ole T, Unc, Edd. Seattle Peterson, Ole T, Unc, Edd. Seattle Peterson, Willam F, LD, Bus. Seattle Peterson, Walter R, UD, Sci. Pt Blakely Peterson, Welliam F, LD, Bus. Seattle Peterson, William Payson, LD, Bus. Alpine Petit, James, LD, Eng. Seattle Petit, Helen, LD, Sci. Seattle Petitit, Holen, LD, Sci. Seattle Petitit, Holen, LD, Sci. Seattle Petitit, Belen, LD, Bus. Clarkston Petitit, Holen, LD, Sci. Seattle Petitit, Belen, LD, Sci. Seattle Petitit, Holen, LD, Sci. Seattle Petitit, Holen, LD, Sci. Seattle Petitit, Holl, Sci. Seattle Petitit, Holl, Sci. Seattle Phillips, Beth, LD, Sci. Seattle Phillips, Harry J, Unc, Eng. Seattle Phillips, Harry J, Unc, Eng. Seattle Phillips, Herbert, LD, Eng. Seattle Phillips, Herbert, LD, Eng. Seattle Phillips, Herbert, LD, Eng. Seattle Phillips, John W, LD, Phar Haddock Phillips, Harry J, Unc, Eng. Seattle Phillips, Pohlor W, LD, Phar Haddock Phillips, Harry J, Unc, Eng. Seattle Pi
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevleve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Pickerd, W Burt, LD, Bus Seattle Pickert, May Belle, Unc, LA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Fred R, 2nd Law Seattle Pierce, Dorothy A, LD, LA Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Warren D, LD, Bus Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA. Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA. Four Lakes Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng. Seattle Plckett, May Belle, Unc, LA Mt Vernon Pldduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Fred B, 2nd Law Sacramento, Cal Pierce, Gordon, LD, Bus Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierson, Richard H, LD, Bus Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Plckard, W Burt, LD, Bus Seattle Plckard, W Burt, LD, EA Seattle Plckett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Plerce, Aleene E, UD, Ed Seattle Plerce, Clarence W, 1st Law Seattle Plerce, Fred R. 2nd Law Sacramento, Cal Pierce, Dorothy A, LD, LA Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierson, Richard H, LD, Bus Seattle Pigott, Stephen R, LD, Min Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Plckett, May Belle, Unc, LA Mt Vernon Pldduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierson, Richard H, LD, Bus Seattle Pigott, Stephen R, LD, Min Seattle Pincott, Keith A, LD, Eng Rossland, B.C.
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Seattle Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Plckard, W Burt, LD, Bus Seattle Plckard, W Burt, LD, Eng Seattle Plckett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Fred B. 2nd Law Sacramento, Cal Pierce, Gordon, LD, Bus Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierson, Richard H, LD, Bus Seattle Pigott, Stephen R, LD, Min Seattle Pincott, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Tacoma
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevleve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Pickard, W Burt, LD, Bus Seattle Pickard, W Burt, LD, Bus Seattle Pickett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierott, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Tacoma Pinkham, Ada D, Sp, LA Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Walter T, LD, FA Seattle Phillips, Walter T, LD, IA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Plckett, May Belle, Unc, LA Mt Vernon Pldduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Fred B, 2nd Law Sacramento, Cal Pierce, Dorothy A, LD, LA Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Piercon, Richard H, LD, Bus Seattle Piercon, Richard H, LD, Bus Seattle Pigott, Stephen R, LD, Min Seattle Pincott, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Tacoma Pinkham, Ada D, Sp. LA Seattle Pitcher, Helen D, LD, FA Pt Madison
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevleve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Pickett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Fred R, 2nd Law Seattle Pierce, Dorothy A, LD, LA Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierct, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Seattle Pincott, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Seattle Pincher, Helen D, LD, FA Seattle Pitcher, Helen D, LD, FA Pt Madison Pitcher, Susannah, LD, LA Centralia
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Plckett, May Belle, Unc, LA Mt Vernon Pldduck, Marjorie K, LD, FA Seattle Plerce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Karpen D, LD, Bus Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Warren D, LD, Bus Seattle Piercon, Richard H, LD, Bus Seattle Pigott, Stephen R, LD, Min Seattle Pincott, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Tacoma Pinkham, Ada D, Sp, LA Seattle Pitcher, Helen D, LD, FA Pt Madison Pitcher, Susannah, LD, LA Centralia
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevleve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Plckard, W Burt, LD, Bus Seattle Plckard, W Burt, LD, EA Seattle Plckett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorle K, LD, FA Seattle Plerce, Aleene E, UD, Ed Seattle Plerce, Clarence W, 1st Law Seattle Plerce, Fred R. 2nd Law Sacramento, Cal Pierce, Dorothy A, LD, LA Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierott, Stephen R, LD, Min Seattle Pincott, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Seattle Pitcher, Helen D, LD, FA Pt Madison Pitcher, Susannah, LD, LA Centralia Pittmann, William H, UD, LA Latah Pitts, Edna C, LD, LA Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Pickett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierct, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Seattle Pincott, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Seattle Pitcher, Helen D, LD, FA Pt Madison Pitcher, Susannah, LD, LA Centralia Pittmann, William H, UD, LA Latah Pitts, Edna C, LD, LA Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Tacoma Phipps, Guy F, Unc, LA Seattle Platt, Harrod D, Unc, Eng Seattle Plett, Harrod D, Unc, Eng Seattle Pleckard, W Burt, LD, Bus Seattle Pleckett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Cordon, LD, Bus Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierott, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Seattle Pittoher, Ralph W, LD, LA Seattle Pittcher, Helen D, LD, FA Pt Madison Pitcher, Susannah, LD, LA Centralia Pittmann, William H, UD, LA Seattle Pittyood, Louis C, LD, Bus Seattle Pittyood, Louis C, LD, Bus Seattle Pittyood, Louis C, LD, Bus Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Plett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Corothy A, LD, LA Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierct, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Tacoma Pinkham, Ada D, Sp, LA Seattle Pitcher, Helen D, LD, FA Pt Madison Pitcher, Susannah, LD, LA Seattle Pittwond, Louis C, LD, Bus Seattle Pittwond, Louis C, LD, Bus Seattle Pitty, Ednn C, LD, LA Seattle Pitty, Ednn C, LD, LA Seattle Pittyler, Carl A, UD, FA Tacoma Place L Howard LD
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Tacoma Phipps, Guy F, Unc, LA Seattle Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Pickard, W Burt, LD, Bus Seattle Pickett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierson, Richard H, LD, Bus Seattle Pierott, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Tacoma Pinkham, Ada D, Sp, LA Seattle Pitcher, Susannah, LD, LA Centralia Pitmann, William H, UD, LA Lath Pitts, Ednn C, LD, LA Seattle Pittwood, Louis C, LD, Bus Seattle Pietre, Carl A, UD, FA Tacoma Plants Marcarst LD Bus
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevleve M, UD, LA Seattle Platt Harrod D, Unc, Eng Seattle Pickerd, W Burt, LD, Bus Seattle Pickerd, W Burt, LD, EA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Fred R, 2nd Law Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierott, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Seattle Pitcher, Helen D, LD, FA Seattle Pitther, Susannah, LD, LA Seattle Pitther, Susannah, LD, LA Seattle Pitty Edna C, LD, LA Seattle Pittwood, Louis C, LD, Bus Seattle Pitter, Carl A, UD, FA Tacoma Place, L Howard, LD, For Tacoma Place, L Howard, LD, For Tacoma Plants, Margaret, LD, Bus Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Tacoma Phipps, Guy F, Unc, LA Seattle Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Pickard, W Burt, LD, Bus Seattle Pickett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorle K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Prod R, 2nd Law Sacramento, Cal Pierce, Gordon, LD, Bus Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierson, Richard H, LD, Bus Seattle Pierot, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Seattle Pittcher, Susannah, LD, LA Centralia Pittcher, Helen D, LD, FA Pt Madison Pittcher, Felen D, LD, FA Pt Madison Pittcher, Susannah, LD, LA Seattle Pittwood, Louis C, LD, Bus Seattle Pitty Sedna C, LD, LA Seattle Piatte Cheeler C, LD, Set Seattle Platt, Ruth E, UD, Sci Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevleve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Plekard, W Burt, LD, Bus Seattle Plekett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorle K, LD, FA Seattle Plerce, Aleene E, UD, Ed Seattle Plerce, Clarence W, 1st Law Seattle Plerce, Fred R. 2nd Law Sacramento, Cal Pierce, Dorothy A, LD, LA Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierct, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Seattle Pincott, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Seattle Pitcher, Helen D, LD, FA Pt Madison Pitcher, Susannah, LD, LA Centralia Pittmann, William H, UD, LA Seattle Pittvood, Louis C, LD, Bus Seattle Pitzer, Carl A, UD, FA Tacoma Plants, Margaret, LD, Bus Seattle Platt, Ruth E, UD, Sci Seattle Platter, Charles G, LD, Bus Seattle Platter, Charles G, LD, Bus Seattle Platter, Charles G, LD, Bus Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Plickerd, W Burt, LD, Bus Seattle Pickerd, W Burt, LD, Bus Seattle Pickerd, May Belle, Unc, LA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Corothy A, LD, LA Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierct, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Tacoma Pinkham, Ada D, Sp, LA Seattle Pitcher, Helen D, LD, FA Pt Madison Pitcher, Susannah, LD, LA Seattle Pittwood, Louis C, LD, Bus Seattle **Pitzer, Carl A, UD, FA Tacoma Plants, Margaret, LD, Bus Seattle Playter, Charles G, LD, Bus Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevleve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Plekard, W Burt, LD, Bus Seattle Plekard, W Burt, LD, Bus Seattle Plerce, Aleene E, UD, Ed Seattle Plerce, Clarence W, 1st Law Seattle Plerce, Clarence W, 1st Law Seattle Plerce, Cordon, LD, Bus Seattle Plerce, Dorothy A, LD, LA Seattle Plerce, Robert O, Unc, Bus Seattle Plerce, Warren D, LD, Bus Seattle Plerce, Warren D, LD, Bus Seattle Plerson, Richard H, LD, Bus Seattle Plerson, Richard H, LD, Bus Seattle Plerott, Keith A, LD, Eng Rossland, B.C. Plinkerton, Ralph W, LD, LA Seattle Plitcher, Ralph W, LD, LA Seattle Pitcher, Susannah, LD, LA Seattle Pittmann, William H, UD, LA Centralia Pittmann, William H, UD, LA Seattle Pittwood, Louis C, LD, Bus Seattle Pitter, Susannah, LD, LA Seattle Pittwood, Louis C, LD, Bus Seattle Pittwood, Louis C, LD, Bus Seattle Pitter, Carl A, UD, FA Tacoma Place, L Howard, LD, For Tacoma Plants, Margaret, LD, Bus Seattle Platt, Ruth E, UD, Sci Seattle Plemon, Gladys May, LD, LA Wallula Plummer, Morris, UD, Bus Pt Townsend
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevleve M, UD, LA Seattle Platt Harrod D, Unc, Eng Seattle Pickard, W Burt, LD, Bus Seattle Pickard, W Burt, LD, Bus Seattle Pickett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Robert O, Unc, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierct, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Tacoma Pinkham, Ada D, Sp, LA Seattle Pitcher, Helen D, LD, FA Pt Maddson Pitcher, Susannah, LD, LA Centralia Pittmann, William H, UD, LA Latah Pitts, Edna C, LD, LA Seattle Pittvood, Louis C, LD, Bus Seattle Pitty, Carl A, UD, FA Tacoma Plants, Margaret, LD, Bus Seattle Playter, Carl A, UD, FA Tacoma Plants, Margaret, LD, Bus Seattle Playter, Charles G, LD, Bus Seattle Plemon, Gladys May, LD, LA Wallula Plummer, Morris, UD, Bus Seattle Plumenn, Morris, UD, Bus Seattle Plumenn, Morris, UD, Bus Seattle
Phillips, J Clarence, LD, LA Almira Phillips, John W, LD, Phar Hadlock Phillips, Phyllis, LD, FA Seattle Phillips, Phyllis, LD, FA Seattle Phillips, Walter T, LD, LA Tacoma Phipps, Guy F, Unc, LA Four Lakes Platt, Genevieve M, UD, LA Seattle Platt, Harrod D, Unc, Eng Seattle Plett, May Belle, Unc, LA Mt Vernon Pidduck, Marjorie K, LD, FA Seattle Pierce, Aleene E, UD, Ed Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Clarence W, 1st Law Seattle Pierce, Corothy A, LD, LA Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Gordon, LD, Bus Seattle Pierce, Warren D, LD, Bus Seattle Pierct, Keith A, LD, Eng Rossland, B.C. Pinkerton, Ralph W, LD, LA Tacoma Pinkham, Ada D, Sp, LA Seattle Pittoner, Susannah, LD, LA Seattle Pittoner, Susannah, LD, LA Seattle Pitty, Edna C, LD, LA Seattle Pitty, Edna C, LD, Bus Seattle Platt, Ruth E, UD, Sel Seattle Playter, Charles G, LD, Bus Sea

Pollard, Jean, LD, LA	Seattle
Pollock, Barbara, LD, LA	Seattle
Pollock, Maxwell, LD, EE	Seattle
Pollom, DeVere Arthur, LD, LA.	.Chehalis
Pond, Elbridge G, LD, Bus	Seattle
Pond, Elizabeth B. UD, LA	Seattle
Ponder, Russell Lee, LD, LA	.Chehalis
Pool, William Franklin, UD, LA.	Seattle
Poole, Bonnie L, LD, LA	Seattle
Poole, Florence, LD, Ed	Seattle
**Pooley, Frank B, CE	Spokane
Poolton, Frederick A, UD, LA	Seattle
Pope, Augustus R, UD, ME	Seattle
Porep, Edward W, UD, Bus	Seattle
Porsch, Rhynhart A, LD, Bus	Roy
Porter, Barton F, LD, Bus	Thorp
Porter, Dott. UD, Sci	Seattle
Porter, Edith M, LD, FA	Seattle
Porter, Marie, LD, Ed	seattle
Porter, Mary E, LD, FA	seatue
Portmann, Frieda, LD, LA	Tacomu
Post John D. Gred	minhhines
Potente Holon Une Sei	Sunauda
Potton Alden Une Pag	Didgoffold
Potter, Aluen, Onc., Mag	DidgeHeid
Potter Mel F I.D Rus	afttaaR
Pottor Daul S T.D Mn	Ovington
Potter Puth A T.D T.A	Senttle
Potter Willis A LD LA	Kalama
*Powell Annie T Nur	Roslyn
Powell Charles L. LD LA	Selah
Powell Emmogene LD LA	Chehalis
Powell, Frederick Jr. IID, Chil	Tacoma
Powell, Josephine, LD, LA	Chebalia
Powell, Mary Dayton, UD. Ed.,	Selah
Powers, Anna M. IID, LA	Seattle
Powers, Frances F. UD. LA	Tacoma
Powers, Francis J. UD. Bus	
	Seattle
**Powers, Harry K. FA	Seattle
**Powers, Harry K, FA Powers, Marie K, UD, LA	Seattle Scattle Seattle
**Powers, Harry K, FA Powers, Marie K, UD, LA Powley, Louise W, UD, Sci	Seattle Scattle Seattle Seattle
**Powers, Harry K, FA Powers, Marie K, UD, LA Powley, Louise W, UD, Sci Powley, Verna M, LD, LA	Seattle Seattle Seattle Seattle Seattle
**Powers, Harry K, FA Powers, Marie K, UD, LA Powley, Louise W, UD, Sci Powley, Verna M, LD, LA Poyneer, Almeda, LD, LA	Seattle Scattle Seattle Seattle Seattle Everett
**Powers, Harry K, FA Powers, Marle K, UD, LA Powley, Louise W, UD, Sci Powley, Verna M, LD, LA Poyneer, Almeda, LD, LA **Pozzie, Jerry V, Bus	SeattleSeattleSeattleSeattleSeattleSeattleEverettSeattle
**Powers, Harry K, FA Powers, Marie K, UD, LA Powley, Louise W, UD, Sci Powley, Verna M, LD, LA Poyneer, Almeda, LD, LA **Pozzie, Jerry V, Bus Prager, William A, LD, LA	SeattleScattleSeattleSeattleSeattleSeattleEverettSeattle
**Powers, Harry K, FA	SeattleScattleSeattleSeattleSeattleEverettSeattleSeattle
o*Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Sci. Powley, Verna M, LD, LA. Poyneer, Almeda, LD, LA. Prager, William A, LD, LA. Pratt, Helen Van Ness, Grad. Pratt, Mary Sanders, Grad	SeattleScattleSeattleSeattleEverettSeattleSeattleSeattleSeattle
o*Powers, Harry K, FA Powers, Marle K, UD, LA Powley, Loulse W, UD, Sci Powley, Verna M, LD, LA Poyneer, Almeda, LD, LA *Pozzie, Jerry V, Bus Prager, William A, LD, LA Pratt, Helen Van Ness, Grad Pratt, Mary Sanders, Grad Pratt, Reginald, UD, Mis	Seattle Scattle Seattle Seattle Seattle Seattle Seattle Seattle Seattle Seattle Seattle
**Powers, Harry K, FA Powers, Marle K, UD, LA Powley, Loulse W, UD, Scl Powley, Verna M, LD, LA **Pozzie, Jerry V, Bus Prager, William A, LD, LA Pratt, Helen Van Ness, Grad Pratt, Mary Sanders, Grad Pratt, Reginald, UD, ME Preppernan, Charles W, LD, For.	Seattle Scattle Seattle Seattle Seattle Seattle Everett Seattle Seattle Seattle Seattle Seattle
o*Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Sci. Powley, Verna M, LD, LA. Poyneer, Almeda, LD, LA. Pratze, Jerry V, Bus. Prager, William A, LD, LA. Pratt, Helen Van Ness, Grad. Pratt, Mary Sanders, Grad. Pratt, Reginald, UD, ME. Preppernan, Charles W, LD, For. Prescott, Maurine, LD, LA.	Seattle Scattle Seattle
**Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Scl. Powley, Verna M, LD, LA. **Pozzie, Jerry V, Bus. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. Pratt, Helen Van Ness, Grad. Pratt, Mary Sanders, Grad. Pratt, Reginald, UD, ME. Preppernan, Charles W, LD, For. Prescott, Maurine, LD, LA. Presley, Grace, LD, FA.	Seattle Scattle Seattle
**Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Scl. Powley, Verna M, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Helen Van Ness, Grad. Pratt, Mell an Ness, Grad. Pratt, Reginald, UD, ME. Preppernan, Charles W, LD, For. Prescott, Maurine, LD, LA. Presley, Grace, LD, FA. **Preuss, John Eng. Marsl	Seattle Scattle Scattle Seattle Spokane Kent Seattle
o*Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Sci. Powley, Verna M, LD, LA. Poyneer, Almeda, LD, LA. *Pozzte, Jerry V, Bus. Prager, William A, LD, LA. Pratt, Helen Van Ness, Grad. Pratt, Mary Sanders, Grad. Pratt, Reginald, UD, ME. Preppernan, Charles W, LD, For. Prescott, Maurine, LD, LA. *Pressey, Grace, LD, FA. *Preuss, John Eng. Mars Price, Arthur F, LD, For. Di	Seattle Scattle
**Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Scl. Powley, Verna M, LD, LA. **Pozzie, Almeda, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. Pratt, Helen Van Ness, Grad. Pratt, Mary Sanders, Grad. Pratt, Mary Sanders, Grad. Pratt, Mary Grade, UD, ME. Preppernan, Charles W, LD, For. Presecott, Maurine, LD, LA. **Presley, Grace, LD, FA. **Preuss, John Eng. Marsl Price, Arthur F, LD, For. Drice, E Faye, LD, FA.	Seattle Scattle Godillon Godil
**Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Scl. Powley, Verna M, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Helen Van Ness, Grad. Pratt, Helen Van Ness, Grad. Pratt, Reginald, UD, ME. Preppernan, Charles W, LD, For. Prescott, Maurine, LD, LA. Presley, Grace, LD, FA. **Preuss, John Eng. Marsl Price, Arthur F, LD, For. Dr Price, E Faye, LD, FA Price, Harry J, LD, EE. Miles C	Seattle Scattle Scattle Seattle Seattle Seattle Seattle Seattle Seattle Seattle Seattle Seattle Spokane Kent Seattle Spokane Seattle field, Or ncan, B C filton, Or
Price, Miles, Bus. **Price, Miles, LD, FA. **Powers, Marle K, UD, LA. **Powers, Marle K, UD, LA. **Powers, Louise W, UD, Sci. **Powers, Almeda, LD, LA. **Powers, Almeda, LD, LA. *Poxzie, Jerry V, Bus. **Powers, William A, LD, LA. **Prager, William A, LD, LA. **Prager, William A, LD, LA. **Prager, William A, LD, LA. **Price, Maurine, LD, LA. **Price, Maurine, LD, LA. **Price, Harry J, LD, For. **Price, Miles, Bus. ***Price, Miles, Bus.	Seattle Scattle Scattle Seattle Scattle Scattle Scattle Scattle Seattle
**Price, Harry K, FA. Powers, Marle K, UD, LA. Powlers, Loulse W, UD, Scl. Powley, Verna M, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Jerry V, Bus. Pratt, Helen Van Ness, Grad. Pratt, Helen Van Ness, Grad. Pratt, Reginald, UD, ME. Preppernan, Charles W, LD, For. Prescott, Maurine, LD, LA. **Preuss, John Eng. Marsl Price, Arthur F, LD, For. Drice, Harry J, LD, EE. Miles C **Price, Miles, Bus. Price, Ruth G, UD, LA.	Seattle Scattle
**Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Scl. Powley, Verna M, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Jerry V, Bus. Pratt, Helen Van Ness, Grad. Pratt, Mary Sanders, Grad. Pratt, Reginald, UD, ME. Preppernan, Charles W, LD, For. Prescott, Maurine, LD, LA. Presely, Grace, LD, FA. **Preus, John Eng. Marsl Price, Arthur F, LD, For. Dr. Price, Harry J, LD, EE. Miles C **Price, Miles, Bus. Price, Ruth G, UD, LA. Priche, Lloyd H, LD, EE.	Seattle Scattle Seattle Spokane Kent Seattle field, Or mcan, B C filton, Or ity, Mont Seattle Seattle Seattle
**Price, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Sci. Powley, Verna M, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. Pratt, Helen Van Ness, Grad. Pratt, Mary Sanders, Grad. Pratt, Reginald, UD, ME. Preppernan, Charles W, LD, For. Prescott, Maurine, LD, LA. **Presley, Grace, LD, FA. **Price, Arthur F, LD, For. Dr. Price, E Faye, LD, FA. **Price, Miles, Bus. Price, Ruth G, UD, LA. Price, Lloyd H, LD, EE. Prigmore, Robert H, LD, Bus.	Seattle Scattle Seattle Spokane Kent Seattle Scattle
**Prowers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Scl. Powley, Verna M, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Jerry V, Bus. Pratt, Helen Van Ness, Grad. Pratt, Helen Van Ness, Grad. Pratt, Reginald, UD, ME. Prepperman, Charles W, LD, For. Prescott, Maurine, LD, LA. **Preuss, John Eng. Marsl Price, Arthur F, LD, For. Drice, Arthur F, LD, For. Price, Harry J, LD, EE. Miles C **Price, Miles, Bus. Price, Ruth G, UD, LA. Priebe, Lloyd H, LD, EE. Prigmore, Robert H, LD, Bus. Priest, Constance E, LD, Bus.	Seattle Scattle Scattle Seattle
**Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Sci. Powley, Verna M, LD, LA. **Pozzie, Jerry V, Bus. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. Pratt, Helen Van Ness, Grad. Pratt, Mary Sanders, Grad. Pratt, Mary Sanders, Grad. Pratt, Mary Sanders, Grad. Prespernan, Charles W, LD, For. Presley, Grace, LD, FA. **Preuss, John Eng Marsi Price, Arthur F, LD, For Dr Price, E Faye, LD, FA. **Price, Miles, Bus. **Price, Miles, Bus. **Price, Miles, Bus. **Price, Constance S, LD, Bus. **Price, Robert H, LD, Bus. **Price, Rostance S, LD, Bus. **Price, Constance S, LD, Bus. **Price, LD, Grad.	Seattle Scattle Seattle Spokane Kent Seattle
**Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Sci Powley, Verna M, LD, LA. **Pozzie, Almeda, LD, LA. **Pozzie, Jerry V, Bus Prager, William A, LD, LA. Pratt, Helen Van Ness, Grad. Pratt, Mary Sanders, Grad. Pratt, Mary Sanders, Grad. Pratt, Mary Sanders, Grad. Pratt, Mary Grace, LD, LA. **Preppernan, Charles W, LD, For. Presecott, Maurine, LD, LA. **Presey, Grace, LD, FA. **Price, Arthur F, LD, For Price, Arthur F, LD, For Price, Harry J, LD, EE. Miles C **Price, Miles, Bus. Price, Ruth G, UD, LA. Priebe, Lloyd H, LD, EE. **Priech, Lloyd H, LD, Bus. **Priech, Constance E, LD, Bus. **Prichard, J Gordon, Grad. **Pritchard, Stanley P, LD, Bus. Bus.	Seattle Scattle Seattle Spokane Kent Seattle Scattle Seattle Scattle Seattle
**Prowers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Scl. Powley, Verna M, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Jerry V, Bus. Pratt, Helen Van Ness, Grad. Pratt, Helen Van Ness, Grad. Pratt, Reginald, UD, ME. Preppernan, Charles W, LD, For. Prescott, Maurine, LD, LA. **Presley, Grace, LD, FA. **Price, Arthur F, LD, For. Drice, Arthur F, LD, For. Drice, Arthur F, LD, EE. Miles C. **Price, Miles, Bus. Price, Ruth G, UD, LA. Priebe, Lloyd H, LD, EE. Prigmore, Robert H, LD, Bus. Prietchard, J Gordon, Grad. Pritchard, J Gordon, Grad. Pritchard, Stanley P, LD, Bus. B Pritchett, Charles S, LD, Scl. Free	Seattle Scattle Scattle Seattle
**Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Louise W, UD, Sci. Powley, Verna M, LD, LA. **Poyneer, Almeda, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. Pratt, Helen Van Ness, Grad. Pratt, Mary Sanders, Grad. Pratt, Mary Sanders, Grad. Pratt, Mary Sanders, Grad. Prespernan, Charles W, LD, For. Prescott, Maurine, LD, LA. **Prescott, Maurine, LD, FA. **Prescott, Maurine, LD, FA. **Price, Arthur F, LD, For. Price, Harry J, LD, EE. Miles C. **Price, Miles, Bus. Price, Ruth G, UD, LA. Pricest, Constance E, LD, Bus. Prichard, J Gordon, Grad. Pritchard, Stanley P, LD, Bus. Britchard, Stanley P, LD, Bus. Pritchard, Stanley P, LD, Bus. Prichard, Stanley P, LD, Bus. Britchard, Corge, UD, Law	Seattle Scattle Seattle
**Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Scl. Powley, Verna M, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. Pratt, Helen Van Ness, Grad. Pratt, Mary Sanders, Grad. Pratt, Reginald, UD, ME. Preppernan, Charles W, LD, For. Presecott, Maurine, LD, LA. **Prece, Grace, LD, FA. **Presuss, John Eng. Marsl Price, Arthur F, LD, For. Price, Harry J, LD, EE. Miles C **Price, Miles, Bus. Price, Ruth G, UD, LA. Prigmore, Robert H, LD, Bus. Pricthard, J Gordon, Grad. Pritchard, J Gordon, Grad. Pritchard, Stanley P, LD, Bus. B Prictchett, Charles S, LD, Scl. Frenotzman, George, UD, Law Pruessman, Will, LD, Eng.	Seattle Scattle Seattle
**Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Scl. Powley, Verna M, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Jerry V, Bus. Pratt, Helen Van Ness, Grad. Pratt, Reginald, UD, ME. Preppernan, Charles W, LD, For. Presecott, Maurine, LD, LA. **Precus, John Eng. **Preuss, John Eng. **Marsl Price, Arthur F, LD, For. Drice, Arthur F, LD, For. Price, Harry J, LD, EE. Miles C **Price, Miles, Bus. Price, Harry J, LD, EE. Prigmore, Robert H, LD, Bus. Pritchard, J Gordon, Grad. Pritchard, Stanley P, LD, Bus. B Pritchett, Charles S, LD, Sci.Free Protzman, George, UD, Law Pruessman, Will, LD, Eng. Puccett, Carl E, LD, EE. LECTION A. PROPERLY J, WILLIAE.	Seattle Scattle Scattle Seattle Spokane Kent Seattle Spokane Seattle Spokane Seattle Spokane Seattle Spokane Seattle Spokane Seattle Seattle Scattle Scattle Scattle Scattle Seattle
**Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Sci. Powley, Verna M, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. Pratt, Helen Van Ness, Grad. Pratt, Reginald, UD, ME. Preppernan, Charles W, LD, For. Prescott, Maurine, LD, IA. **Presus, John Eng	Seattle Scattle Scattle Seattle
**Price, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Scl. Powley, Verna M, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Jerry V, Bus. Pratt, Helen Van Ness, Grad. Pratt, Mary Sanders, Grad. Pratt, Reginald, UD, ME. Preppernan, Charles W, LD, For. Presecott, Maurine, LD, LA. **Presuss, John Eng. Marsi Price, Arthur F, LD, For. Price, Arthur F, LD, For. Price, Harry J, LD, EE. Miles C **Price, Miles, Bus. Price, Ruth G, UD, LA. Priebe, Lloyd H, LD, EE. Prigmore, Robert H, LD, Bus. Pricthard, J Gordon, Grad. Pritchard, J Gordon, Grad. Pritchard, Stanley P, LD, Bus. B Pritchett, Charles S, LD, Sci. Free Protzman, George, UD, La. Prucell, J William. Purcell, J William. Purcell, J William. Purcy, Rugene H, LD, ChE. Lavernes E, Wh. Mis.	Seattle Scattle Scattle Seattle
**Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Louise W, UD, Sci. Powley, Verna M, LD, LA. **Poyneer, Almeda, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. Pratt, Helen Van Ness, Grad. Pratt, Heginald, UD, ME. Preppernan, Charles W, LD, For. Prescott, Maurine, LD, LA. **Preuss, John Eng Marsi **Price, Arthur F, LD, For Du Price, E Faye, LD, FA	Seattle Scattle
**Powers, Harry K, FA. Powers, Marle K, UD, LA. Powley, Loulse W, UD, Sci. Powley, Verna M, LD, LA. **Pozzie, Jerry V, Bus. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. **Pozzie, Jerry V, Bus. Prager, William A, LD, LA. Pratt, Helen Van Ness, Grad. Pratt, Mary Sanders, Grad Pratt, Reginald, UD, ME. Preppernan, Charles W, LD, For. Prescott, Maurine, LD, LA. **Prescott, Maurine, LD, LA. **Presuss, John Eng. **Mars **Price, Arthur F, LD, For. **Drice, E Faye, LD, FA. **Price, Miles, Bus. **Price, Thoyd H, LD, EE. **Prichard, J Gordon, Grad. **Pritchard, J Gordon, Grad. **Pritchard, Stanley P, LD, Bus. B **Pritchard, Stanley P, LD, Bus. B **Pritchett, Charles S, LD, Sci.Free **Protzman, George, UD, Law **Pruckett, Carl E, LD, EE. **LD, LD, ChE. **Puragen, Lawrence E, UD, Mile. **Pure Mark, UD, EE. **Constanner, LD, FA. **C	Seattle Scattle Scattle Seattle
Pollard, Jean, LD, LA. Pollock, Barbara, LD, LA. Pollock, Devere Arthur, LD, LA. Pond, Eliziabeth B, UD, LA. Pond, Eliziabeth B, UD, LA. Ponder, Russell Lee, LD, LA. Poole, Bonnie L, LD, LA. Poole, Florence, LD, Ed. **Pooley, Frank B, CE. **Porep, Edward W, UD, Bus. **Porep, Edward W, UD, Bus. **Porrep, Edward W, UD, Bus. **Porter, Mary B, LD, FA. **Porter, Marie, LD, Ed. **Porter, Mary B, LD, FA. **Porter, Mary B, LD, FA. **Powell, Ander, Unc, Eng. **Potter, Claude A, UD, ME. **Potter, Willis A, LD, LA. **Powell, Annie T, Nur. **Powell, Annie T, Nur. **Powell, Annie T, Nur. **Powell, Charles L, LD, LA. **Powell, Sarbyine, LD, LA. **Powell, Mary Dayton, UD, Ed. **Powers, Anna M, UD, LA. **Powers, Harry K, FA. **Powers, Frances F, UD, LA. **Powers, Frances F, UD, LA. **Powers, Frances F, UD, LA. **Powers, Harry K, FA. **Powers, Harry K, FA. **Powers, Harry K, FA. **Powers, Harry K, FA. **Powers, Jenry V, Bus. **Powers, Harry K, LD, **Powers, Jenry V, Bus. **Preuss, John Eng. **Price, Hilles, Bus. **Price, Arthur F, LD, For. **Price, Fare, LD, FA. **Price, Mary B, UD, LA. **Porter, Charles W, LD, For. **Price, Harry J, LD, EE. **Price, Miles, Bus. **Price, Miles, Bus. **Price, Miles, Bus. **Price, Arthur F, LD, For. **Price, Miles, Bus. **Price, Hillen, Charles S, LD, Sci. Free **Price, Miles, Bus. **Pr	Seattle Scattle Scattle Seattle

Quanstrom, Ellen M, LD, Bus....Seattle Quass, Harry Peter, LD, Phar...Spokana Quigle, Helen, LD, LA.....Seattle Quigley, Clarence B, UD, Bus.....Seattle Quimosing, Dionisio. LD, ChE.Philippines Quinlivan, Quentin L, LD, Sci....Everett

Rademaker, Lee A. LD. SciTac	oma
Poder Remark W III) Pro See	++10
Rademaker, Lee A, LD, SciTace Rader, Bernard H, UD, BusSea Rader, Martha, LD, SciWalla W	Lue
Rader, Martha, LD, SciWalla W	alla
Dedford Clinks W ID WA Co.	441.
Radioru, Ziipiia F, LD, FASea	Lue
Railerty, Wilma, LD, EdSea	tue
Ranskopi, Lucile, LD, LAsea	ttie
Raine, Margaret M., UD, LASea	ttie
Rainey Homer E, LD, Sci Wenate	nee
Ramm, Aubrey G, LD, EESea	ttle
Ramsay, James S, LD, BusEllensh	urg
**Ramsey, Edward O, BusBoise,	Ida
Ramsey, Gertrude, LD, BusSandpoint,	Ida
Ramsey, Mary, LD, SciSea	ttle
Ramstead, Alvin C, LD, BusEve	rett
Ramthun, Lucile L, UD, BusCheh	alis
Randal, Downing B, LD, SciSea	ttle
Randal, Dudley K, LD, BusSea	ttle
Rank, Carroll P. UD. BusCashn	iere
Rankin, James H Jr. LD. BusSea	ttle
Rankin, Park W. LD. CEYak	ima
Ranley, Edna M. LD. BusCentr	alia
Raport, Rubin W. LD. ME Sea	ttle
Rasmussen, Fred N. LD. EE Sea	ttle
Rasmussen, George V III) Ed. Chewe	alah
**Ratcliffe Vernon H Une Rus See	ttla
Bath Martha A III) Soi Soo	++10
Rethbun John H LD EM Bolle	ome.
Power Posts I.D. 704	v ue
Por Tomos W ID WE	Hir
Dormond To M. I.D. Col. I Tompitel	ue
Daymond, E. M., LD, SciHannibal,	MO
Raymond, Julian H., LD, BusBellings	ıam
Rea, Russell Melville, Unc, Eng. Belling	nam
Read, Marigoid, LD, BusHoqu	ıam
Read, William A, SpecShe	lton
Reap, Genevieve, UD, LATac	oma
Reaume, Gladys M, LD, LASpok	ane
Recart, EdwardC	hile
Recart, Horacio, Jr, UD, ForC	hile
Reddy, Eileen A. LD. LA Medford.	Or
	~
Redfield, Ben, LD, BusSpok	ane
Redfield, Ben, LD, BusSpok Redick, Harry Horton, SpecSea	ane ttle
Redfield, Ben, LD, BusSpok Redick, Harry Horton, SpecSea Redington, Bernice O, LD, FASea	ane ttle ttle
Redfield, Ben, LD, BusSpok Redlick, Harry Horton, SpecSea Redington, Bernice O, LD, FASea Redmon, Dorothy B, LD, FAYak	ane ttle ttle ima
Redfield, Ben, LD, Bus Spok Redlek, Harry Horton, Spec Sea Redington, Bernice O, LD, FA Sea Redmon, Dorothy B, LD, FA Yak Redmond, Harold V, UD, Min Sea	ane ttle ttle ima ttle
Redfield, Ben, LD, Bus	ane ttle ttle ima ttle
Redfield, Ben, LD, Bus	ane ttle ttle ima ttle ttle
Redfield, Ben, LD, Bus	ane ttle ttle ima ttle ttle ttle
Redfield, Ben, LD, Bus	ane ttle ttle ima ttle ttle alia
Redfield, Ben, LD, Bus	ane ttle ttle ima ttle ttle alia ttle
Redfield, Ben, LD, Bus	ane ttle ttle ima ttle ttle alia ttle ttle
Redfield, Ben, LD, Bus	ane ttle ttle ttle ttle alia ttle ttle
Redfield, Ben, LD, Bus	ane ttle ttle ttle ttle ttle ttle ttle
Redfield, Ben, LD, Bus	ane ttle ttle ttle ttle ttle ttle ttle alia ttle
Redfield, Ben, LD, Bus Spok Redlick, Harry Horton, Spec Sea Redlington, Bernice O, LD, FA Sea Redlington, Bernice O, LD, FA Sea Redmon, Dorothy B, LD, FA Yak Redmond, Harrold V, UD, Min Sea **Redpath, Lindley R, LD, Bus Sea Redpath, Lindley R, LD, Bus Sea Reed, Donald L, LD, Eng Centr Reed, Earl E, Spec Sea Reed, Helen Van Hlen, Unc, Sci Sea Reed, Helen Van Hlen, Unc, Sci Sea Reed, Henry D, LD, Phar Halley, Reed, Jennie M. Ed Tacc Reed, Lucile, UD, FA Spok Reed, Russell Norman, Unc, Bus Sea	ane ttle ima ttle ttle alia ttle ttle Ida ma ane ttle
Redfield, Ben, LD, Bus	ane ttle ima ttle ttle ttle ttle ttle ttle ttle ttl
Redfield, Ben, LD, Bus	ane ttle ttle ima ttle ttle alia ttle ttle ida ma ane ttle
Redfield, Ben, LD, Bus	ane ttle ima ttle ttle alia ttle Ida oma ane ttle oma
Redfield, Ben, LD, Bus	ane ttle ttle ttle ttle alia attle oma ane ttle oma ttle
Redfield, Ben, LD, Bus Spok Redlick, Harry Horton, Spec Sea Redlington, Bernice O, LD, FA Sea Redmon, Dorothy B, LD, FA Yak Redmond, Harold V, UD, Min Sea **Redpath, Harry S, 1st Law Sea Redpath, Lindley R, LD, Bus Sea Reed, Donald L, LD, Eng Centr Reed, Earl E, Spec Sea Reed, Helen Van Hlen, Unc, Sci Sea Reed, Helen Van Hlen, Unc, Sci Sea Reed, Henry D, LD, Phar Halley, Reed, Jennie M. Ed Tac. Reed, Russell Norman, Unc, Bus Sea Reed, Russell Norman, Unc, Bus Sea Reeder, Ardis Harold, LD, Bus Tacc Reerie, Richard D, LD, Phar Sea **Reese, James B, Bus Kirki **Reese, Richard H, Bus Conc.	ane ttle ttle ima ttle ttle alia oma ttle oma ane ttle oma ttle
Redfield, Ben, LD, Bus Spok Redlick, Harry Horton, Spec See Redlington, Bernice O, LD, FA Sea Redmon, Dorothy B, LD, FA Yak Redmond, Harold V, UD, Min Sea **Redpath, Harry S, 1st Law Sea Redpath, Lindley R, LD, Bus Sea Reed, Donald L, LD, Eng Centr Reed, Earl E, Spec Sea Reed, Helen Van Hlen, Unc, Scl Sea Reed, Helen Van Hlen, Unc, Scl Sea Reed, Lucile, UD, FA Halley, Reed, Lucile, UD, FA Spok Reed, Lucile, UD, FA Sea Reeder, Ardis Harold, LD, Bus Tace Reedy, Frances M, UD, Scl Tace Reedy, Frances M, UD, Scl Tace Reekie, Richard D, LD, Phar Sea **Reese, James B, Bus Kirki **Reese, Richard H, Bus Conc Reese, Thelma, Unc, Scl Kirki	ane ttle ttle ima ttle ttle alia ttle Ida oma ane ttle and rete
Redfield, Ben, LD, Bus. Spok Redlick, Harry Horton, Spec. Sea Redlington, Bernice O, LD, FA. Sea Redlington, Bernice O, LD, FA. Sea Redmon, Dorothy B, LD, FA. Yak Redmond, Harold V, UD, Min. Sea **Redpath, Lindley R, LD, Bus. Sea Redpath, Lindley R, LD, Bus. Sea Reed, Donald L, LD, Eng. Centr Reed, Donald L, LD, Eng. Centr Reed, Earl E, Spec. Sea Reed, Helen Van Hien, Unc, Sci. Sea Reed, Helen Van Hien, Unc, Sci. Sea Reed, Henry D, LD, Phar Halley, Reed, Jemnie M. Ed Tacc Reed, Russell Norman, Unc, Bus. Sea Reeded, Russell Norman, Unc, Bus. Sea Reeder, Ardis Harold, LD, Bus. Tacc Reedy, Frances M, UD, Sci. Tacc Reekle, Richard D, LD, Phar Sea **Reese, James B, Bus. Kirki **Reese, Richard H, Bus. Conc Reese, Thelma, Unc, Sci. Kirki Reeves, Harold J, Unc, Bus. Portland,	ane ttle ttle ima ttle ttle alia ttle ima ane ttle oma attle and orete and
Redfield, Ben, LD, Bus	ane ttle ttle ima ttle ttle alia ttle ttle alia ane ttle oma ane ttle and or Ida
Redfield, Ben, LD, Bus. Spok Redlick, Harry Horton, Spec. Sea Redlington, Bernice O, LD, FA. Sea Redlington, Bernice O, LD, FA. Sea Redmond, Harrold V, UD, Min. Sea Redpath, Harry S, 1st Law Sea Redpath, Lindley R, LD, Bus. Sea Redpath, Lindley R, LD, Bus. Sea Redpath, Lindley R, LD, Bus. Sea Redd, Donald L, LD, Eng. Centr Reed, Earl E, Spec. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Jennie M, Ed Tace Reed, Jennie M, Ed Tace Reed, Lucile, UD, FA. Spok Reed, Russell Norman, Unc, Bus. Sea Reeder, Ardis Harold, LD, Bus. Tace Reedy, Frances M, UD, Sci. Tace Reedy, Frances M, UD, Sci. Tace Reedy, Frances M, UD, Sci. Tace Reeder, Richard D, LD, Phar Sea **Reese, James B, Bus. Kirki **Reese, Richard H, Bus. Conce Reese, Thelmat, Unc, Sci. Kirki Reeves, Harold J, Unc, Bus. Portland, Regan, Frank, LD, For. Bolse, Regan, Willard P, LD, Bus. Bolse,	ane ttle ttle ima ttle ttle alia ttle ttle lda oma ane ttle oma ane ttle oma and or Ida Ida
Redfield, Ben, LD, Bus. Spok Redlick, Harry Horton, Spec. Sea Redlington, Bernice O, LD, FA. Sea Redmon, Dorothy B, LD, FA. Yak Redmond, Harold V, UD, Min. Sea **Redmond, Harold V, UD, Min. Sea **Redmond, Harold V, UD, Min. Sea **Redmond, Harold V, UD, Bus. Sea Redmond, Harold V, UD, Bus. Sea Redmond, Harold V, UD, Bus. Sea Reed, LL, LD, Eng. Centr Reed, Earl E, Spec. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Henry D, LD, Phar. Halley, Reed, Jennie M, Ed Tac Reed, Jennie M, Ed Tac Reed, Russell Norman, Unc, Bus. Sea Reeder, Ardis Harold, LD, Bus. Tacc Reedie, Richard D, LD, Phar. Sea **Reese, James B, Bus. Kirki **Reese, Richard H, Bus. Conc Reese, Thelma, Unc, Sci. Kirki **Reese, Harold J, Unc, Bus. Portland, Regan, Frank, LD, For. Boise, Regan, Willard P, LD, Bus. Boise, Regan, Regan, Carlon G, LD, Bus. Sea	ane ttle ttle ttle alia ttle ttle alia ttle ttle ttle ttle ttle ttle tma ane ttle oma ttle and or Ida Ida ttle
Redfield, Ben, LD, Bus. Spok Redlick, Harry Horton, Spec. Sea Redlington, Bernice O, LD, FA. Sea Redmon, Dorothy B, LD, FA. Yak Redmond, Harold V, UD, Min. Sea **Redpath, Harry S, 1st Law. Sea Redpath, Lindley R, LD, Bus. Sea Reed, Donald L, LD, Eng. Centr Reed, Earl E, Spec. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Henry D, LD, Phar. Halley, Reed, Jennie M, Ed. Tac Reed, Lucile, UD, FA. Spok Reed, Lucile, UD, FA. Spok Reed, Russell Norman, Unc, Bus. Sea Reeder, Ardis Harold, LD, Bus. Tacc Reekie, Richard D, LD, Phar. Sea **Reese, James B, Bus. Kirki **Reese, Richard H, Bus. Conc Reese, Thelma, Unc, Sci. Kirki Reeves, Harold J, Unc, Bus. Portland, Regan, Frank, LD, For. Bolse, Regan, Willard P, LD, Bus. Sea Reich, Beatrice, LD, LD, Bus. Sea	ane ttle ttle ima ttle ttle alia ttle ida oma ane oma ttle and rete and Ida ttle
Redfield, Ben, LD, Bus. Spok Redlick, Harry Horton, Spec. Sea Redlington, Bernice O, LD, FA. Sea Redlington, Bernice O, LD, FA. Sea Redmon, Dorothy B, LD, FA. Yak Redmond, Harold V, UD, Min. Sea **Redpath, Lindley R, LD, Bus. Sea Reedpath, Lindley R, LD, Bus. Sea Reed, Donald L, LD, Eng. Centr Reed, Earl E, Spec. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Henry D, LD, Phar Halley, Reed, Jemnie M. Ed Tacc Reed, Lactle, UD, FA. Spok Reed, Russell Norman, Unc, Bus. Sea Reeded, Russell Norman, Unc, Bus. Sea Reeder, Ardis Harold, LD, Bus. Tacc Reedrie, Richard D, LD, Phar Sea **Reese, James B, Bus. Kirkl **Reese, Richard H, Bus. Conc Reese, Thelma, Unc, Sci. Kirkl Reeves, Harold J, Unc, Bus. Portland, Regan, Frank, LD, For Bolse, Regan, Willard P, LD, Bus. Bolse, Reid, Beatrice, LD, LA. Sea Reid, Crawford, LD, ED. Sea	ane ttle ttle alia attle ttle alia attle ttle alia ane ttle oma attle and Or and Ida ttle ttle ttle ttle ttle ttle ttle alia attle and Or and Ida attle ttle ttle
Redfield, Ben, LD, Bus Spok Redlick, Harry Horton, Spec Sea Redlington, Bernice O, LD, FA Sea Redmon, Dorothy B, LD, FA Yak Redmond, Harold V, UD, Min Sea **Redpath, Harry S, 1st Law Sea Redpath, Lindley R, LD, Bus Sea Reed, Donald L, LD, Eng Centr Reed, Earl E, Spec Sea Reed, Helen Vun Hen, Unc, Sci Sea Reed, Helen Vun Hen, Unc, Sci Sea Reed, Henry D, LD, Phar Halley, Reed, Jennie M, Ed Tac Reed, Jennie M, Ed Tac Reed, Russell Norman, Unc, Bus Sea Reed, Russell Norman, Unc, Bus Sea Reeder, Ardis Harold, LD, Bus Tac Reekie, Richard D, LD, Phar Sea **Reese, James B, Bus Kirki **Reese, Richard H, Bus Conc Reese, Thelma, Unc, Sci Tac Reevie, Richard H, Bus Conc Reese, Thelma, Unc, Sci Kirki Reeves, Harold J, Unc, Bus Portland, Regan, Frank, LD, For Boise, Regan, Willard P, LD, Bus Sea Reid, Bentrice, LD, IA Sea Reid, Elizabeth J, LD, LA Tac	ane ttle ttle ima ttle ima ttle ttle alia ttle lda ane ttle oma ttle oma or Ida Ida ttle ttle ttle ttle ttle oma
Redfield, Ben, LD, Bus. Spok Redlick, Harry Horton, Spec. Sea Redlington, Bernice O, LD, FA. Sea Redlington, Bernice O, LD, FA. Sea Redmon, Dorothy B, LD, FA. Yak Redmond, Harold V, UD, Min. Sea **Redpath, Harry S, 1st Law Sea Redpath, Lindley R, LD, Bus. Sea Redpath, Lindley R, LD, Bus. Sea Reed, Donald L, LD, Eng. Centr Reed, Earl E, Spec. Sea Reed, Helen Van Hen, Unc, Sci. Sea Reed, Helen Van Hen, Unc, Sci. Sea Reed, Henry D, LD, Phar Halley, Reed, Jennie M, Ed Tacc Reed, Jennie M, Ed Tacc Reed, Russell Norman, Unc, Bus. Sea Reeder, Ardis Harold, LD, Bus. Sea Reeder, Ardis Harold, LD, Bus. Tacc Reedy, Frances M, UD, Sci. Tacc Reeder, Richard D, LD, Phar Sea **Reese, James B, Bus. Kirki **Reese, James B, Bus. Kirki **Reese, Richard H, Bus. Conc Reegan, Frank, LD, For Bolse, Regan, Frank, LD, For Bolse, Regan, Willard P, LD, Bus. Bolse, Reichert, Cariton G, LD, Bus. Sea Reid, Crawford, LD, EB. Sea Reid, Crawford, LD, EB. Sea Reid, Florence E, LD, LA. Tacc Reid, Florence B, LD, Bus. Go	ane ttle ttle ima ttle tttle alia attle tttle alia attle ttle oma ane ttle and or Ida or Ida attle ttle ttle oma or Ida attle ttle ttle ttle oma or Ida attle ttle ttle oma or Ida or Id
Redfield, Ben, LD, Bus Spok Redlick, Harry Horton, Spec Sea Redlington, Bernice O, LD, FA Sea Redmon, Dorothy B, LD, FA Yak Redmond, Harold V, UD, Min Sea Reed, LL, LD, Eng Centr Reed, Earl E, Spec Sea Reed, Earl E, Spec Sea Reed, Helen Van Hlen, Unc, Sci Sea Reed, Helen Van Hlen, Unc, Sci Sea Reed, Henry D, LD, Phar Halley, Reed, Jennie M, Ed Tace Reed, Jennie M, Ed Tace Reed, Russell Norman, Unc, Bus Sea Reeder, Ardis Harold, LD, Bus Tace Reedie, Richard D, LD, Phar Sea **Reese, James B, Bus Kirki **Reese, Richard H, Bus Conce Reese, Thelma, Unc, Sci Kirki **Reese, Harold J, Unc, Bus Portland, Regan, Frank, LD, For Boise, Regan, Willard P, LD, Bus Boise, Regan, Willard P, LD, Bus Sea Reid, Beatrice, LD, LA Sea Reid, Eilzabeth J, LD, LA Sea Reid, Elrorance E, LD, Bus Go Reinelt, Herbert R, LD, LA Va	ane ttle ttle ttle alia ane ttle ttle alia ane ttle oma ottle oma ottle oma ottle and Tda attle ttle ttle alia ttle and or ttle and ottle ttle ttle ttle ttle ttle owan lier
Redfield, Ben, LD, Bus	ane ttle ttle ima ima ttle ttle ttle ttle tlia ttle tlia ttle lda oma ane ttle oma ttle and Or Ida ttle ttle ttle ttle and oma ttle and ttle ttle ttle oma ttle
Redfield, Ben, LD, Bus. Spok Redlick, Harry Horton, Spec. Sea Redlington, Rernice O, LD, FA. Sea Redmon, Dorothy B, LD, FA. Yak Redmond, Harold V, UD, Min. Sea Redmond, Harold V, UD, Sus. Sea Reed, Donald L, LD, Eng. Centr Reed, Earl E, Spec. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Henry D, LD, Phar. Halley, Reed, Jennie M, Ed Tac. Reed, Russell Norman, Unc, Bus. Sea Reed, Russell Norman, Unc, Bus. Sea Reeder, Ardis Harold, LD, Bus. Tact Reedie, Richard D, LD, Phar Sea **Reese, James B, Bus. Kirkl **Reese, Ilenard H, Bus. Conc. Reeses, Thelma, Unc, Sci. Kirkl **Reese, Richard H, Bus. Conc. Reeses, Thelma, Unc, Sci. Kirkl **Reese, Richard H, Bus. Portland, Regan, Frank, LD, For. Boise, Regan, Williard P, LD, Bus. Boise, Reid, Beatrice, LD, LA. Sea Reid, Elorence E, LD, Bus. Sea Reid, Elorence E, LD, LA. Tacc Reiseroff, Lillian R, Unc, LA. Worcester, Reisig, Rhea, Unc, FA. Sea	ane ttle ttle ttle ttle ttle ttle ttle tt
Redfield, Ben, LD, Bus	ane title title title title title title title title alia title tit
Redfield, Ben, LD, Bus. Spok Redlick, Harry Horton, Spec. Sea Redlington, Bernice O, LD, FA. Sea Redlington, Bernice O, LD, FA. Sea Redmon, Dorothy B, LD, FA. Yak Redmond, Harold V, UD, Min. Sea **Redpath, Harry S, 1st Law. Sea Redpath, Lindley R, LD, Bus. Sea Reed, Donald L, LD, Eng. Centr Reed, Donald L, LD, Eng. Centr Reed, Earl E, Spec. Sea Reed, Helen Van Hen, Unc, Sci. Sea Reed, Helen Van Hen, Unc, Sci. Sea Reed, Henry D, LD, Phar. Halley, Reed, Jemile M. Ed Tacc Reed, Jemile M. Ed Tacc Reed, Russell Norman, Unc, Bus. Sea Reed, Russell Norman, Unc, Bus. Sea Reeded, Russell Norman, Unc, Bus. Kea Reeder, Ardis Harold, LD, Bus. Tacc Reedrie, Richard D, LD, Phar Sea Reeder, James B, Bus. Kirkl **Reese, James B, Bus. Kirkl **Reese, Richard H, Bus. Conc Reese, Thelma, Unc, Sci. Kirkl Reeves, Harold J, Unc, Bus. Portland, Regan, Frank, LD, For. Bolse, Regan, Williard P, LD, Bus. Bolse, Reichert, Cariton G, LD, Bus. Sea Reid, Crawford, LD, EB. Sea Reid, Crawford, LD, EB. Sea Reid, Crawford, LD, EB. Sea Reid, Grizonec E, LD, LA. Sea Reisen, Lulian R, Unc, LA. Worcester, M Reiseroff, Lillian R, Unc, LA. Worcester, M Reiserig, Rhea, Unc, FA. Sea Reif, Engenia, LD, FA. Sea Reif, Engenia, LD, FA. Sea	ane ttle ttle ittle ttle ttle ttle ttle tt
Redfield, Ben, LD, Bus	ane ttile ttile ttile ttile attile ttile attile attile attile attile attile ttile on an extite on a final stile ttile and sand sand sand sand sand sand sand
Redfield, Ben, LD, Bus. Spok Redlick, Harry Horton, Spec. Sea Redlington, Bernice O, LD, FA. Sea Redmon, Dorothy B, LD, FA. Yak Redmond, Harold V, UD, Min. Sea **Redpath, Harry S, 1st Law Sea Redpath, Lindley R, LD, Bus Sea Reed, Donald L, LD, Eng. Centr Reed, Earl E, Spec. Sea Reed, Helen Van Hien, Unc, Sci. Sea Reed, Helen Van Hien, Unc, Sci. Sea Reed, Helen Van Hien, Unc, Sci. Sea Reed, Henry D, LD, Phar Halley, Reed, Jennie M, Ed Tac Reed, Lucile, UD, FA. Spok Reed, Lucile, UD, FA. Spok Reed, Russell Norman, Unc, Bus. Sea Reeder, Ardis Harold, LD, Bus. Tacc Reedrie, Richard D, LD, Phar Sea **Reese, James B, Bus. Kirki **Reese, Richard H, Bus. Conc Reese, Thelma, Unc, Sci. Kirki Reeves, Harold J, Unc, Bus. Portland, Regan, Frank, LD, For. Bolse, Regan, Willard P, LD, Bus. Sea Reid, Grawford, LD, EB. Sea Reid, Grawford, LD, EB. Sea Reid, Florence E, LD, LA. Sea Reid, Florence E, LD, LA. Sea Reid, Florence E, LD, LA. Sea Reither, Bernard, LD, LA. Sea Remington, Arthur E, UD, EE. Sea Remington, Arthur E, UD, EE. Sea Remington, Ceell G, LD, Bus. Se	ane ttle ttle ttle ttle ttle ttle ttle tt
Redfield, Ben, LD, Bus. Spok Redick, Harry Horton, Spec. Sea Redington, Bernice O, LD, FA. Sea Redington, Bernice O, LD, FA. Sea Redmon, Dorothy B, LD, FA. Yak Redmond, Harold V, UD, Min. Sea Redmond, Harold V, UD, Min. Sea **Redmond, Harold V, UD, Min. Sea Redmond, Harold V, UD, Min. Sea Redmond, Harold V, UD, Bus. Sea Reed, Bonald L, LD, Eng. Centr Reed, Earl E, Spec. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Henry D, LD, Phar. Halley, Reed, Jennie M. Ed Tac. Reed, Lucile, UD, FA. Spok Reed, Russell Norman, Unc, Bus. Sea Reed, Russell Norman, Unc, Bus. Sea Reeder, Ardis Harold, LD, Bus. Sea Reeder, Ardis Harold, LD, Phar. Sea **Reese, James B, Bus. Kirkl **Reese, Richard H, Bus. Conc Reese, Thelman, Unc, Sci. Kirkl **Reese, Richard H, Bus. Conc Reese, Thelman, Unc, Sci. Kirkl **Reese, Harold J, Unc, Bus. Portland, Regun, Frank, LD, For. Boise, Reichert, Carlton G, LD, Bus. Sea Reid, Beatrice, LD, LA. Sea Reid, Elizabeth J, LD, LA. Tac Reid, Elizabeth J, LD, LA. Tac Reid, Elizabeth J, LD, LA. Tac Reid, Elizabeth J, LD, LA. Sea Reid, Elorence E, LD, Bus. Sea Reid, Elorence E, LD, Bus. Sea Reid, Elorence E, LD, Bus. Sea Reif, Bernard, LD, LA. Sea Remington, Arthur E, UD, EE. Sea Remington, Arthur E, UD, EE. Sea Remington, Arthur E, UD, EE. Sea	ane ttle ttle ttle ttle ttle ttle ttle tt
Redfield, Ben, LD, Bus. Spok Redlick, Harry Horton, Spec. Sea Redlington, Bernice O, LD, FA. Sea Redmon, Dorothy B, LD, FA. Yak Redmond, Harold V, UD, Min. Sea Redmond, Harold V, UD, Min. Sea **Redpath, Harry S, 1st Law. Sea Redpath, Lindley R, LD, Bus. Sea Reed, Donald L, LD, Eng. Centr Reed, Earl E, Spec. Sea Reed, Helen Van Hlen, Unc, Sca Reed, Helen Van Hlen, Unc, Sea Reed, Henry D, LD, Phar. Halley, Reed, Jennie M, Ed Tac Reed, Jennie M, Ed Tac Reed, Russell Norman, Unc, Bus. Sea Reed, Russell Norman, Unc, Bus. Sea Reeder, Ardis Harold, LD, Bus. Tac Reekle, Richard D, LD, Phar. Sea **Reese, James B, Bus. Kirki Reeves, Harold J, Unc, Bus. Portland, Regan, Frank, LD, For. Blose, Regan, Willard P, LD, Bus. Portland, Regan, Frank, LD, For. Blose, Reichert, Cariton G, LD, Bus. Sea Reid, Beatrice, LD, LA. Sea Reid, Elizabeth J, LD, LA. Tac Reid, Elizabeth J, LD, LA. Tac Reinelt, Herbert R, LD, LA. Sea Reils, Rhea, Unc, FA. Sea Reils, Repanda, LD, FA. Sea Reils, Repanda, LD, FA. Sea Reils, Repanda, LD, FA. Sea Remington, Arthur E, UD, EB. Sea Remington, Arthur E, UD, EB. Sea Remington, Arthur E, UD, EB. Sea Remington, Cecil G, LD, Bus. Se	ane ttle ttle ttle tile ttle tile ttle tile ttle tile ttle toma ane toma or ttle ttle ttle ttle ttle ttle ttle ttl
Redfield, Ben, LD, Bus. Spok Redlick, Harry Horton, Spec. Sea Redlington, Rernice O, LD, FA. Sea Redlington, Bernice O, LD, FA. Sea Redmon, Dorothy B, LD, FA. Yak Redmond, Harold V, UD, Min. Sea Redmond, Harold V, UD, Min. Sea **Redmond, Harold V, UD, Min. Sea **Redmond, Harold V, UD, Min. Sea Redmond, Harold V, UD, Bus. Sea Reed, Donald L, LD, Eng. Centr Reed, Earl E, Spec. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Helen Van Hlen, Unc, Sci. Sea Reed, Henry D, LD, Phar Halley, Reed, Jemile M. Ed Tacc Reed, Jemile M. Ed Tacc Reed, Russell Norman, Unc, Bus. Sea Reed, Russell Norman, Unc, Bus. Sea Reeder, Ardis Harold, LD, Bus. Tacc Reedie, Richard D, LD, Phar Sea **Reese, James B, Bus. Kirkl **Reese, James B, Bus. Kirkl **Reese, Richard H, Bus. Conc Reese, Thelma, Unc, Sci. Kirkl **Reese, Thelma, Unc, Sci. Kirkl Reeves, Harold J, Unc, Bus. Portland, Regan, Frank, LD, For Boise, Regan, Williard P, LD, Bus. Sea Reid, Beatrice, LD, LA. Sea Reid, Beatrice, LD, LA. Sea Reid, Elizabeth J, LD, LA. Sea Reidirer, Bernard, LD, LA. Sea Reif, Regenia, LD, FA. Sea Remington, Arthur E, UD, EB. Sea Remington, Cecil G, LD, Bus. Sea Remington, Herold E, LD, Bus. Sea	ane ttle ttle ttle ttle alia ttle alia ttle tlda oma ane tma oma tule tule toma ort tule tule tule tule tule tule tule tul
Radfer, Melvin M. LD. LA. Walla W. Radford, Zilpha F. LD, FA. Sea Rafferty, Wilma, LD, Ed. Sea Rahskopf, Lucile, LD, LA. Sea Raine, Margaret M. UD. LA. Sea Raine, Margaret M. UD. LA. Sea Rainey Homer E. LD, Sci. Wenate Ramma, Aubrey G. LD, EE. Sea Ramsey, Edward O, Bus. Ellenst **Ramsey, Gertrude, LD, Bus. Sandpoint, Ramsey, Mary, LD, Sci. Sea Ramstead, Alvin C, LD, Bus. Sandpoint, Ramsey, Mary, LD, Sci. Sea Ramstead, Alvin C, LD, Bus. Sandpoint, Ramsey, Mary, LD, Sci. Sea Ramstead, Alvin C, LD, Bus. Cheh Randal, Downing B, LD, Sci. Sea Randal, Downing B, LD, Sci. Sea Randal, Dudley K. LD, Bus. Cashn Rankin, James H Jr, LD, Bus. Cashn Rankin, James H Jr, LD, Bus. Sea Rank, Carroll P, UD, Bus. Cashn Rankin, Park W, LD, CE. Yak Ranley, Edna M, LD, Bus. Cashn Rankin, Fark W, LD, CE. Sea Rasmussen, Fred N, LD, EE. Sea Rasmussen, Fred N, LD, EE. Sea Rasmussen, Fred N, LD, EE. Sea Rasmussen, Egorge V, UD, Ed Chew**Ratcliffe, Vernon B, Unc, Bus. Sea Rathbun, John H, LD, EE. Sea Rath, Martha A, UD, Sci. Sea Rath, Martha A, UD, Sci. Hannibal, Raymond, B M, LD, Sci. Hannibal, Raymond, B M, LD, Sci. Hannibal, Raymond, B M, LD, Bus. Bellingi Rea, Russell Melvillie, Unc, Eng. Bellingi Read, Walliam A, Spec. She Reap, Genevieve, UD, LA. Tacc Reaume, Gladys M, LD, LA. Spok Redick, Harry Horton, Spec. Sea Redington, Bernice O, LD, FA. Sea Redmon, Dorothy B, LD, FA. Yak Redmond, Harold V, UD, Min. Sea Redpath, Lindley R, LD, Bus. Sea Redugton, Bernice O, LD, FA. Sea Redugton, Farnes, LD, For Sea Redugton, Farnes, LD	ane ttile tile tile tile tile tile tile alia ane tile tile ane tile ane tile tile tile tile tile tile tile til

Renshaw, Harold B, LD, Bus.....Spokane Resos, Eugenio P, LD, CE.....Philippines Revelle, Helen, LD, LA.....Seattle Reynolds, Alice L, LD, FA....Portland, Or Ritter, John Edward, LD, For Republic Ritz, Rutheleanor, LD, Sci. Tacoma Rivera, Andres D, LD, ChE. Philippines Robb, Alleda, LD, LA. Seattle Robbins, Dorothy A, UD, Sci. Bremerton Robbins, Dorothy A, UD, Sci. Bremerton Roberts, Helen L, LD, LA. Spokane Roberts, John T, UD, LA. Seattle Roberts, James D, LD, For Tacoma Roberts, John T, UD, ChE. Seattle Roberts, Katherine E, UD, LA. Gooding, Ida Roberts, Katherine E, UD, LA. Gooding, Ida Roberts, Margaret, LD, Min Roberts, Margaret, LD, Min Roberts, Milnora, Grad. Seattle **Robertson, Colin W, LD, Bus. Seattle Robertson, Howard P, LD, Sci. Montesano **Robertson, James Jr. Eng. Seattle Robinson, Charles H, LD, Bus. Seattle Robinson, Frank D, LD, Bus. Seattle Robinson, James W, LD, Bus. Seattle Robinson, James W, LD, Bus. Seattle Robinson, Margaret, LD, Bus. Centralia Robinson, Margaret, LD, Bus. Centralia Robinson, Rose, LD, LA. Centralia Robinson, Rose, LD, LA. Centralia Robinson, Rose, LD, LA. Seattle Robinson, Ruth M, LD, Bus. Nooksack Rockwell, John Jr, UD, Ed. Castle Rock Rodman, Emmet A, LD, Bus. Seattle Rock Rodman, Emmet A, LD, Bus. Seattle Roce, Arthur O, UD, ME. Everett

Roe, F Hobson, UD, BusSenttle
**Poo Morio John T.D Bug Souttle
Decree Washington A TD Cal Cartile
Beamer, Frederick A, LD, Sci Seattle
Roegner, Aenneth A, 2nd LawSeattle
**Roemer, Albert J, LD, EngSeattle
Roenr, Margaret, LD, BusSeattle
Rogers, Agnes, LD, FASeattle
Rogers, Ellen K. UD, BusSkagway, Aka
Rogers, Henry E. UD. LA Scattle
Rogers, Julia W. LD. FAAuburn
Rogers, Lewis E. IID. LA Colville
Rogers Lois M IID LA Niegere Fells NV
Powers Marraret A III I.A Arburn
Pages Coars O TD War Santile
nogge, George G, LD, ForSeattle
Rognon, Norma N, LD LA Seattle
Rohowitz, Edythe, LD, Sci Seattle
Rohrbacher, Mrs Chas A, Sp, FASeattle
Roll, Dorothy Bates, LD, LASeattle
Rollins, Paul R. LD, SciBremerton
Romischer, William, LD, Min Seattle
Roney, Ward William, LD, LA Duvall
Rood, Sidney, LD, LA Seattle
Roon Edna E ID Soi Santila
Doopou Toronh Une Due Coettle
tables Milder W TD Wd Contile
**Roop, Miliord W, UD, EdSeattle
Roper, marion wesley, UD, Ed Kettle Palls
Roscoe, R Theodore, LD, EngEdmonds
Rosebaugh, Theo W, LD, EEHarrington
Rosen, Elsie E, UD, BusMonroe
Rosen, Hilda F. LD, SciMonroe
Rosenberg, Anita R. LD. Bus Seattle
Rosenberg, Hoda A. L.D. FA Sentile
Roska William H. LD. EH Seattle
Poss Bruce Pohert LD For Edmonds
Dogo Doron M I D Due White Home V III
Done Tidenced Allen In TID TOTAL Control
Ross, Edward Allen Jr, UD, EESeattle
Ross, George W, LD, LASpokane
Ross, Gordon B, UD, BusSeattle
Ross, Harry L, LD, EESeattle
Ross, Helen R, Unc. EdSeattle
Roth, Kenneth L. LD, BusSeattle
Roth, Robert I. LD. SciSeattle
Rothwell, Cyrilla M. LD. PharSeattle
*Rothwell, Martha D. Nur Spokane
Rourke R Karl LD Chic Seattle
Powlands Thomas M Snor Fire Victoria BC
Powntroe D Honey I.D Pro Southle
Devel Dille N. III. Obli
Royal, Philip N, UD, CheOlympia
Royce, Roberta, LD, LA
Boys, Ruby, Grauseatue
Royster, Helen, LD EdSeattle
Royster, Helen, LD EdSeattle Rubens, Gertrude N, LD, Phar. Bellingham
Royster, Helen, LD EdSeattle Rubens, Gertrude N, LD, Phar. Bellingham Rucker, Gladys, LD, SciSeattle
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar Bellingham Rucker, Gladys, LD, Sci Seattle Rudberg, Clayton S, LD, Bus Spokane
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar Bellingham Rucker, Gladys, LD, Sci Spattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Evangeline, LD, Sci
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar Bellingham Rucker, Gladys, LD, Sci Seattle Rudberg, Clayton S, LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Ruel, James W, UD, Bus Sedro Woolley
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar Bellingham Rucker, Gladys, LD, Sci Seattle Rudberg, Clayton S, LD, Bus Spokane Rudolph, Evangeline, LD, Sci Seattle Ruel, James W. UD, Bus Sedro Woolley Ruffner Edmund. Unc. FA Seattle
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar . Bellingham Rucker, Gladys LD, Sci Seattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Ruel, James W. UD, Bus Sedro Woolley Ruffner, Edmund, Unc, FA Scattle Rumberger George H. UD, Min . Seattle
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar . Bellingham Rucker, Gladys, LD, Sci Seattle Ruberg, Clayton S, LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Ruel, James W. UD, Bus Sedro Woolley Ruffner, Edmund, Unc, FA Seattle Rumberger, George H, UD, Min Seattle Rumberger, George H, UD, Min Seattle Rumberger, Bertlett 1st Lev Tsecorne
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar Bellingham Rucker, Gladys, LD, Sci Seattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Evangeline, LD, Sci Seattle Ruel, James W. UD, Bus Sedro Woolley Ruffner, Edmund, Unc, FA Seattle Rumberger, George H, UD, Min Seattle Rumberger, George H, UD, Min Seattle Rummel, Bartlett, 1st Law Tacoma
Royster, Helen, LD Ed. Seattle Rubens, Gertrude N, LD, Phar Bellingham Rucker, Gladys, LD, Sci. Seattle Ruberg, Clayton S, LD, Bus. Spokane Rudolph, Evangeline, LD, Sci. Seattle Ruel, James W. UD, Bus. Sedro Woolley Ruffner, Edmund, Unc, FA. Seattle Rumberger, George H, UD, Min. Seattle Rummel, Bartlett, 1st Law. Tacoma Runciman, George, LD, CE. Caldwell, Ida
Royster, Helen, LD Ed. Seattle Rubens, Gertrude N, LD, Phar Bellingham Rucker, Gladys, LD, Sci. Seattle Rudberg, Clayton S, LD, Bus. Spokane Rudolph, Evangeline, LD, Sci. Seattle Ruel, James W. UD, Bus. Sedro Woolley Ruffner, Edmund, Unc, FA. Seattle Rumberger, George H, UD, Min. Seattle Rumnel, Bartlett, 1st Law. Tacoma Runciman, George, LD, CE. Caldwell, Ida Running, Gladys May, LD, Sci. Tacoma
Royster, Helen, LD Ed. Seattle Rubens, Gertrude N, LD, Phar Bellingham Rucker, Gladys, LD, Sci. Seattle Rudberg, Clayton S, LD, Bus. Spokane Rudolph, Bwangeline, LD, Sci. Seattle Ruel, James W. UD, Bus. Sedro Woolley Ruffner, Edmund, Unc, FA. Seattle Rumberger, George H, UD, Min. Seattle Rumnel, Bartlett, 1st Law. Tacoma Runciman, George, LD, CE. Caldwell, Ida Running, Gladys May, LD, Sci. Tacoma Rupe, G Ellzabeth, UD, Ed. Seattle
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar . Bellingham Rucker, Gladys, LD, Sci Seattle Ruberg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Ruel, James W. UD, Bus Sedro Woolley Ruffner, Edmund, Unc, FA Seattle Rumberger, George H, UD, Min Seattle Rummel, Bartlett, 1st Law Tacoma Runciman, George, LD, CE Caldwell, Ida Running, Gladys May, LD, Sci Tacoma Rupe, G Elizabeth, UD, Ed Seattle Rush, Elizabeth, LD LA Spokane
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar . Bellingham Rucker, Gladys . LD, Sci Seattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Rught Seattle Rught, James W. UD, Bus Sedro Woolley Ruffner, Edmund, Unc, FA Seattle Rumberger, George H, UD, Min Seattle Rummel, Bartlett, 1st Law Tacoma Runciman, George, LD, CE Caldwell, Ida Running, Gladys May, LD, Sci Tacoma Rupe, G Elizabeth, UD, Ed Spokane Russell, Alvia D, LD, EE Govan
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar Bellingham Rucker, Gladys, LD, Sci Speattle Ruberg, Clayton S. LD, Bus Spokane Rudolph, Evangeline, LD, Sci Seattle Rugherg, Clayton S. LD, Bus Secto Woolley Ruffner, Edmund, Unc, FA Seattle Rumberger, George H, UD, Min Seattle Rummel, Bartlett, 1st Law Tacoma Runciman, George, LD, CE Caldwell, Ida Running, Gladys May, LD, Sci Tacoma Rupe, G Elizabeth, UD, Ed Seattle Rush, Elizabeth, LD, LA Spokane Russell, Alvia D, LD, EE Govan Russell, Alvia D, LD, FA Seattle
Royser, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar . Bellingham Rucker, Gladys . LD, Sci Seattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Rundserg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Ruel, James W. UD, Bus Sedvo Woolley Ruffner, Edmund, Unc, FA Seattle Rumberger, George H, UD, Min Seattle Rumenel, Bartlett, 1st Law Tacoma Runciman, George, LD, CE Caldwell, Ida Running, Gladys May, LD, Sci Tacoma Rush, Editabeth, LD, LA Spokane Russell, Alvia D, LD, EE Govan Russell, Alvia D, LD, FA Seattle Russell, Florence M, UD, LA Seattle
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar Bellingham Rucker, Gladys, LD, Sci Seattle Rudberg, Clayton S, LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Ruel, James W. UD, Bus Sedro Woolley Ruffner, Edmund, Unc, FA Seattle Rumberger, George H, UD, Min Seattle Rumnel, Bartlett, 1st Law Tacoma Runciman, George, LD, CE Caldwell, Ida Running, Gladys May, LD, Sci. Tacoma Rupe, G Elizabeth, UD, Ed Seattle Rush, Elizabeth, LD, LA Spokane Russell, Alvia D, LD, EE Govan Russell, Edith, LD, FA Seattle Russell, Edith, LD, FA Seattle Russell, Florence M, UD, LA Seattle Russell, Josephine V, LD, Bus Seattle
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar Bellingham Rucker, Gladys, LD, Sci Speattle Ruberg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Ruberg, Clayton S. LD, Bus Spokane Ruel, James W. UD, Bus Sedro Woolley Ruffner, Edmund, Unc, FA Seattle Rumberger, George H, UD, Min Seattle Rummel, Bartlett, 1st Law Tacoma Runciman, George, LD, CE Caldwell, Ida Running, Gladys May, LD, Sci Tacoma Rupe, G Elizabeth, UD, Ed Seattle Rush, Elizabeth, LD, LA Spokane Russell, Alvia D, LD, EE Govan Russell, Edith, LD, FA Seattle Russell, Florence M, UD, LA Seattle Russell, Josephine V, LD, Bus Seattle Russell, Marvin, LD, Bus Seattle Russell, Marvin, LD, Bus Walla Walla
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar . Bellingham Rucker, Gladys. LD, Sci Seattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Ruel, James W. UD, Bus Sedro Woolley Ruffner, Edmund, Unc, FA
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar Bellingham Rucker, Gladys, LD, Sci Speattle Ruberg, Clayton S. LD, Bus Spokane Rudolph, Evangeline, LD, Sci Seattle Ruberg, Clayton S. LD, Bus Service Ruel, James W. UD, Bus Sedro Woolley Ruffner, Edmund, Unc, FA Seattle Rumberger, George H, UD, Min Seattle Rummel, Bartlett, 1st Law Tacoma Runciman, George, LD, CE Caldwell, Ida Running, Gladys May, LD, Sci Tacoma Rupe, G Elizabeth, UD, Ed Seattle Russell, Alvia D, LD, EE Govan Russell, Alvia D, LD, EE Govan Russell, Edith, LD, FA Seattle Russell, Florence M, UD, LA Seattle Russell, Marvin, LD, Bus Walla Walla Russell, Ruth R, LD, LA Seattle Russell, Rath R, LD,
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar . Bellingham Rucker, Gladys . LD, Sci Seattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar Bellingham Rucker, Gladys, LD, Sci Seattle Ruberg, Clayton S, LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Ruel, James W. UD, Bus Sedro Woolley Ruffner, Edmund, Unc, FA Seattle Rumperger, George H, UD, Min Seattle Rumnel, Bartlett, 1st Law Tacoma Runciman, George, LD. CE Caldwell, Ida Running, Gladys May, LD, Sci Tacoma Rupe, G Elizabeth, UD, Ed Seattle Russ, Elizabeth, LD, LA Spokane Russell, Alvia D, LD, EE Govan Russell, Edith, LD, FA Seattle Russell, Florence M, UD, LA Seattle Russell, Marvin, LD, Bus Seattle Russell, Marvin, LD, Bus Seattle Russell, Ruth R, LD, LA Seattle Russell, Ruth R, LD, LA Seattle Russell, Ruth R, LD, LA Seattle Rust, Caramel Ruth, LD, Sci Yakima Rutherford, Trammell, LD, LA Seattle Rutter, Beatrice, UD LA Sooknee
Royser, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar . Bellingham Rucker, Gladys . LD, Sci Seattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Ruel, James W. UD, Bus Sedvo Woolley Ruffner, Edmund, Unc, FA Seattle Rumberger, George H, UD, Min Seattle Rumenel, Bartlett, 1st Law Tacoma Runciman, George, LD, CE Caldwell, Ida Running, Gladys May, LD, Sci Tacoma Running, Gladys May, LD, Sci Spokane Russell, Alvia D, LD, EE Govan Russell, Alvia D, LD, FA Seattle Russell, Josephine V, LD, Bus Seattle Russell, Marvin, LD, Bus Walla Walla Russell, Ruth B, LD, LA Seattle Rust, Caramel Ruth, LD, Sci Yakima Rutherford, Trammell, LD, LA Seattle Rutter, Beatrice, UD LA Spokane
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar . Bellingham Rucker, Gladys. LD, Sci Seattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci
Royser, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar . Bellingham Rucker, Gladys . LD, Sci Seattle Rubens, Clayton S. LD, Bus Seattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Bwangeline, LD, Sci Seattle Rudler, Clayton S. LD, Bus Seattle Ruel, James W. UD, Bus Sedro Woolley Ruffner, Edmund, Unc, FA
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar . Bellingham Rucker, Gladys. LD, Sci Seattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Rugherg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Rugherger, George H, UD, Min Seattle Rummel, Bartlett, 1st Law Tacoma Runciman, George, LD, CE Caldwell, Ida Running, Gladys May, LD, Sci Tacoma Rupe, G Elizabeth, UD, Ed Seattle Russell, Alvia D, LD, EE Govan Russell, Edith, LD, FA Seattle Russell, Bosephine V, LD, Bus Seattle Russell, Marvin, LD, Bus Walla Walla Russell, Ruth R, LD, LA Seattle Russel, Caramel Ruth, LD, LA Seattle Rust, Caramel Ruth, LD, LA Seattle Rutter, Beatrice, UD LA Seattle Rutter, Beatrice, UD LA Seattle Ryan, Frederick A, LD, Bus Seattle Ryan, Homer N, LD, LA Seattle Ryan, Marie Arline, LD, FA Seattle Ryan, Marie Arline, LD, FA Seattle Ryan, Marie Arline, LD, LA Seattle Ryan, Marie Arline, LD, FA Seattle Ryan, Marie Arline, LD, LA Seattle Ryan, Marie Arline, LD, LA Seattle Ryan, Marie Arline, LD, FA Seattle Ryan, Rose D, LD, LA Seattle Ryan, Marie Arline, LD, LA Seattle
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar Bellingham Rucker, Gladys, LD, Sci Seattle Ruberg, Clayton S, LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Ruberg, Clayton S, LD, Bus Sedro Woolley Ruffner, Edmund, Unc, FA Seattle Rumel, James W. UD, Bus Sedro Woolley Ruffner, Edmund, Unc, FA Seattle Rumnel, Bartlett, 1st Law Tacoma Runciman, George, LD, CE Caldwell, Ida Running, Gladys May, LD, Sci Tacoma Rupe, G Elizabeth, UD, Ed Seattle Russel, Elisabeth, LD, LA Spokane Russell, Alvia D, LD, EE Govan Russell, Edith, LD, FA Seattle Russell, Florence M, UD, LA Seattle Russell, Marvin, LD, Bus Walla Walla Russell, Ruth E, LD, LA Seattle Rust, Caramel Ruth, LD, Sci Yakima Rutherford, Trammell, LD, LA Spokane Ryan, Frederick A, LD, Bus Seattle Ryan, Homer N, LD, LA Seattle Ryan, Marie Arline, LD, FA Seattle Ryan, Rose D, LD, LA Portland, Or Problem Clayton H.
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar . Bellingham Rucker, Gladys . LD, Sci Seattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Ruel, James W. UD, Bus Sedro Woolley Ruffner, Edmund, Unc, FA Seattle Rummel, Bartlett, 1st Law Tacoma Runciman, George, LD, CE Caldwell, Ida Running, Gladys May, LD, Sci Tacoma Running, Gladys May, LD, Sci Tacoma Running, Gladys May, LD, Sci Tacoma Runssell, Editabeth, LD, LA Spokane Russell, Alvia D, LD, FA Seattle Russell, Florence M, UD, LA Seattle Russell, Josephine V, LD, Bus Seattle Russell, Marvin, LD, Bus Walla Walla Russell, Ruth R, LD, LA Seattle Russel, Caramel Ruth, LD, LA Seattle Rust, Caramel Ruth, LD, LA Seattle Rutter, Beatrice, UD LA Spokane Ryan, Frederick A, LD, Bus Seattle Ryan, Marle Arline, LD, FA Seattle Ryan, Rose D, LD, LA Portland, Or Rychard, Clayton H, UD, Bus Hoquiam
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar Bellingham Rucker, Gladys, LD, Sci Seattle Rudberg, Clayton S, LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Rugherg, Clayton S, LD, Bus Sedown Woolley Ruffner, Edmund, Unc, FA Seattle Rumberger, George H, UD, Min Seattle Rumberger, George H, UD, Min Seattle Rumnel, Bartlett, 1st Law Tacoma Runciman, George, LD, CE Caldwell, Ida Running, Gladys May, LD, Sci. Tacoma Rupe, G Elizabeth, UD, Ed Seattle Rush, Elizabeth, LD, LA Spokane Russell, Aivia D, LD, EE Govan Russell, Edith, LD, FA Seattle Russell, Florence M, UD, LA Seattle Russell, Josephine V, LD, Bus Seattle Russell, Marvin, LD, Bus Walla Walla Russell, Ruth R, LD, LA Seattle Rust, Caramel Ruth, LD, Sci. Yakima Rutherford, Trammell, LD, LA Spokane Ryan, Frederick A, LD, Bus Seattle Ryan, Frederick A, LD, Bus Seattle Ryan, Marie Arline, LD, FA Seattle Ryan, Marie Arline, LD, FA Seattle Ryan, Rose D, LD, LA Portland, Or Rychard, Clayton H, UD, Bus Housen Ryder, Maude, LD, Ed Auburn
Royster, Helen, LD Ed Seattle Rubens, Gertrude N, LD, Phar . Bellingham Rucker, Gladys LD, Sci Seattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Rudberg, Clayton S. LD, Bus Spokane Rudolph, Bvangeline, LD, Sci Seattle Ruel, James W. UD, Bus Sedro Woolley Ruffner, Edmund, Unc, FA Scattle Rumberger, George H, UD, Min Seattle Rumenel, Bartlett, 1st Law Tacoma Runciman, George, LD, CE Caldwell, Ida Running, Gladys May, LD, Sci Tacoma Running, Gladys May, LD, Sci Tacoma Running, Gladys May, LD, Sci Tacoma Runs, Glizabeth, UD, Ed Spokane Russell, Alvia D, LD, EE Govan Russell, Alvia D, LD, FA Seattle Russell, Florence M, UD, LA Seattle Russell, Florence M, UD, LA Seattle Russell, Ruth B, LD, LA Seattle Ruster, Beatrice, UD LA Spokane Ryan, Frederick A, LD, Bus Seattle Ryan, Homer N, LD, LA Seattle Ryan, Homer N, LD, LA Seattle Ryan, Marie Arline, LD, FA Seattle Ryan, Rose D, LD, LA Portland, Or Rychard, Clayton H, UD, Bus Hoquiam Ryder, Maude, LD, Ed Abburn Byer, Grant H, LD, ChE Denver. Colo
Roe, F Hobson, UD, Bus

Rynning, Lars E, Grad......Tacoma

Schmitt, Tessie Margaret, LD, LASeattle
Schneider, Casper A, LD, EE. Rossland, BC
Schneider, Margaret, LD, SciTacoma
Schnellhardt, Dorothy, LD, SciSeattle
Schofield, Gwendolyn Seattle
Schofield, Margaret, UD, LASeattle
School Suzanne E. I.D. Bus Seattle
Scholtes, M, Geraldine, UD, LASeattle
Schooley, John M, LD. LAZillah
Schreiber, Paul R, LD. LAColville
Schrock, Doris N, UD. SciOkanogam
**Schuknecht, Leeland H TMin Seattle
Schuknecht, Robert C, LD. MESeattle
Schuknecht, Robert C, LD, LASeattle
Schulz, Gertrude A. UD. SciSeattle
Schulz, Katherine L, LD. LASeattle
Schumer, Anna, LD, Bus
Schureman, Charles A, LD. Bus Saybrook, Ill
Schwager, Helen Louise, LD. FASeattle
Scordan, Louise M, LawSeattle
Schwartz, Edward R, UncTacoma
Schweitzer, Florence L, 3rd LawSeattle Schwiesow. Will H. HD. ForTacoma
Scofield, Neil, LD. EESeattle
Scott, Burton F, Grad
Scott, Elsie M. LD. EdTwisp
Scott, Frank W, LD. BusOlympia
Scott, James G, UD. CESeattle
Scott, Marion S, LD. LAMukelteo
Scott, Marjorie, LD, Sci
Scott, Neil D, LD, BusWenatchee
Scott, Robert W. LD. EdWoodland
Scotten, Edwin B. UD. CE Vancouver
Sczuck, Evelyn V, UD. FAEverett
Seabury Esther LD FA Seattle
Seagraves, Hal E, LD, ChE. Coeur d'Alene, Ida
Sealls, Margaret C, LD. LASeattle
Seamons, Joe, LD. CETacoma
Sears, Esther E, LD. LACentralia
Sears, Mildred L, LD. PharCentralia Sebree Dorothy M. LD. SciColdwell. Ida
Secord, Isabel, LD, LASeattle
Seddon, Stanley, 1st LawRoslyn
Seeley, Horace M, Unc, EEKennewick
Seeley, Mildred L, LD. FASeattle
Seeley, Paul W, LD. BusSeattle Seely. Edwin C. LD. LASeattle
Seelye, Helen L, LD. LASeattle
Seelye, Ray Wm, LD. MinSeattle
Seibert, Phillip J, LD. EngSeattle
Seitzick, Ida, LD, LASeattle
Selby, Howard P, LD. ForPt Townsend
Sellers, Ulrich R, LD. BusSeattle
Sells, John A. LD. ChEBellingham
Selton, Nuben, LD. EEBellingham
Seitzer, Harry D. LD. BusPortland, Or Seltzer, Lawrence, LD. LA
Seltzerm, Oscar, LD. BusPortland
Selvidge, George W. Sp. LawSeattle
Serrone Rartelaine LD Sel Philippines
Schmeider, Casper A, LD, LA. Aberdeen Schneider, Casper A, LD, EE. Rossland, BC Schneider, Margaret, LD, Sci Tacoma Schneilhardt, Dorothy, LD, Sci Seattle Schnitzlein, Anita, LD, Sci Long Beach, Cal Schofield, Gwendolyn Seattle Schofield, Margaret, UD, LA Seattle Schofield, Robert H, LD, LA Seattle Schofield, Robert H, LD, LA Seattle Scholes, M, Geraldine, UD, LA Seattle Scholes, John M, LD, LA Seattle Scholes, M, Geraldine, UD, LA Seattle Scholes, M, Geraldine, UD, LA Seattle Schores, Doin M, LD, LA Seattle Schores, Doin M, UD, Ed Seattle Schuknecht, Robert C, LD, ME Seattle Schuknecht, Robert C, LD, ME Seattle Schuknecht, Robert C, LD, LA Seattle Schuknecht, Robert C, LD, LA Seattle Schuknecht, William E, UD, For Seattle Schulz, Gertrude A, UD, Sci Seattle Schukner, Anna, LD. Bus Seattle Schukner, Anna, LD. Bus Seattle Schumer, Anna, LD. Bus Seattle Schumer, Anna, LD. Bus. Saytrock, Ill Schwartz, Gene S, LD, LA Burns. Or Scordan, Louise M, Law Seattle Schwartz, Gene S, LD, LA Burns. Or Scordan, Louise M, Law Seattle Schweizer, Florence L, 3rd Law Seattle Schwiesow, Will H, UD. For Tacoma Scott, Byron David, Unc. Law Tacoma Scott, Burton F, Grad Twisp Scott, Frank W, LD. Bus Olympia Scott, James G, UD. CE Seattle Scott, Marjon S, LD. LA Mukeltee Scott, Marjon S, LD. LA Mukeltee Scott, Marjon S, LD. Bus Seattle Scott, Marjon S, LD. Bus Seattle Scott, Thomas E, LD. Bus Seattle Seattle, Margaret, LD. FA Seattle Seattle, Margaret, LD. FA Seattle Seety, Holen L, LD. Ed Woodland Scott, Thomas E, LD. Bus Seattle Seety, Mildred L, LD. FA Seattle Seedy, Holen L, LD. LA Seattle Seedy, Holen L, LD. LA Seattle Seely, Holen L, LD. LA Seattle Seely, Holen L, LD. LA Seattle Seely, Holen

Setzer, George F, LD, ChE. Daisy
Sewell, Walter, LD. Bus. Butte, Mont
Sexsmith, Hazel G, LD. LA. Spokane
Shafer, Herbert, LD. Sci. ... Tacoma
Shaffer, Audrey, G, LD. Bus. Waitsburg
Shaffer, Wilma J, UD. LA. Waitsburg
Shaffer, Wilma J, UD. LA. Waitsburg
Shank, Charles J, LD. Sci. .. Seattle
Shanks, Clyde W, LD, Bus. .. Seattle
Shank, Jack O, UD. For. .. Aalton, Ill
Shanks, Marcus N. UD. Sci. .. Seattle
Shapiro, Lou, LD Bus. .. Seattle
Shapiro, Lou, LD Bus. .. Seattle
Shatuck, Hazel I, LD. LA. Vancouver
**Shaver, Merle T, Unc. Eng Bremerton
Shaw, Anna Belle, UD. Sci. .. Seattle
Shaw, Clayton B, LD. LA. .. Spokane
Shaw, Gretchen A, LD. FA. .. Seattle
Shaw, Margaret C, LD. Bus Great Falls Mont
Shaw, Mildred C, LD. Bus Great Falls Mont
Shaw, Mildred C, LD. Bus Great Falls Mont
Shaw, Mildred C, LD. LA. .. Seattle
Shearer, Fred A, LD, EE. .. Centralia
Sheeder, Lois Mai, LD. Bus. .. Seattle
Shellenberger, John A, LD. ChE. .. Seattle
Shellum, Adelbert J, LD. ChE. .. Seattle
Shellum, Adelbert J, LD. ChE. .. Seattle
Shepard, Alleen ... Winslow
Shepard, Marjory, LD. LA. .. Seattle Setzer, George F, LD, ChE......Daisy Shellenberger, John A, LD. ChE... Seattle Shellum, Adelbert J, LD. ChE... Seattle Shepard, Alleen... Winslow Shepard, Marjory, LD. LA... Seattle Shepard, Richard C, LD. Bus... Seattle Shepard, Richard C, LD. Bus... Seattle Shepardson, Albert A, LD. Bus... Seattle Shepheard, Percy N, LD. EE Victoria, B C Shera, Brian L, LA. Min... Tacoma Sheridan, Mary A, Unc. LA. Bend, Or Sheridan, Mary A, Unc. LA. Bend, Or Sheridan, Mary A, Unc. LA. Bend, Or Sheridan, Mary E, Nuc... Seattle Sherman, Leslie, Unc, Bus... Everett Sherrill, Harold D, LD. ChE... Tacoma Shiach, Mary E, Nuc... Seattle Shidler, Edwin W, UD. LA... Seattle Shidler, Roger L, LD. LA... Seattle Shidler, Roger L, LD. LA... Seattle Shields, George W, LD, EE... Seattle Shields, George W, LD, EE... Seattle Shillestad, Frank Jr. LD. Bus... Seattle Shillestad, Frank Jr. LD. Bus... Seattle Shimizu, Frank. Unc. Law... Spokane Shiome, Roy Y, LD. EE... Seattle Shippey, Helen H, LD, LA. Saguache, Colo Shipton, Mildred J, LD. LA... Chelan Shirkey, Emily Frances, Grad. Norborne, Mo Shoemaker, Edna, Grad... Gresham, Or Shoemaker, Ednary E. UD. FA... Seattle

Simas, Frances M. UD, EdSprague
Simone Nave Lancre LD LA Dt Terrmeend
Simone Philip S LD For Pt Townsend
Simmong Dole Tine Rug Process
Simon Dorothy IID T.A Portland Or
Simon Pohono H Cred Butto Mont
affirman Prof Howard Pro Proland
Classes Towie T TD Her Coattle
Simpson, Lewis L., LD, ForSeatue
Cinc Mrs Contrac T The The Contrac
Sims, Mrs Corinie D, Oic, FASeattle
Sims, Norma J, UD, Lia
Simson, Jerome, UD, ME Seattle
Simson, Louis, LD, Bus Seattle
Sinciair Haroid P, UD, Bus Yakima
Sinciair, Helen M. L.D., L.ASeattle
Sinciair, Robert Leslie, Unc, Bus. Snohomish
Singley, W Norman Meadville, Pa
Sisler, Roland W. UD, MisSeattle
Sisler, Sara E, LD, LASeattle
Sisson, Howard A, UD, MinAllyn
Sister, Mary Leonella, UD, Sci Seattle
Sitjar, Guadalupe T, LD, BusSeattle
Sivertz, Victorian, UD, Sci
Skartvedt, Agnes, LD, FALa Center
Skelsey, Edmund E, LD, BusShelton
Skewis, Mary Alberta, LD, FATacoma
Skibeness, Alphonse J. UD. BusSpokane
Skidmore, Samuel, LD, BusTacoma
Skinner, Elzey, UD, LASeattle
Skipitarcy, Louis A. SpecOroville
Slade, Elizabeth M. LD. LA Husum
Slane, Harold A. LD. LASeattle
Slater, Verla M. UD. LAFerndale
Slauson, Celeste M. Unc. Ed Seattle
Slauson, Howard B. Grad Seattle
Slauson, Margaret LD, Sci Scattle
Slawten Philip Lee IID CE Stellscoom
**Sloan Roy H. Bus
Singher Charlotte B. I.D. I.A. Seattle
Singer Reg Find LD FA Seattle
Small Fronk I. Tr IID Sci Scattle
Sindii, Flunk D 91, OD, Sci
Small Mary France IID PA Sectile
Small, Mary Frances, UD, FASeattle
Small, Mary Frances, UD, FASeattle Smaulding, Owen, LD, BusSeattle
Small, Mary Frances, UD, FASeattle Smaulding, Owen, LD, BusSeattle **Smith, Albert F, BusSeattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen, LD, Bus. Seattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc. Bus. Seattle Smith, Angle, Unc. Bus. Seattle Smith S
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen, LD, Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, E Beryl, UD, LA. Vancouver Smith, Chesler J, D. Bus. Waterville
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Seattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, E Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Charles J, LD, Bus. Seattle Smith, Charles J, LD, Bus. Seattle S
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Seattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, E Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothea, LD, LA. Seattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen LD, Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, E Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Seattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, E Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Cacattle Smith, Cacattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen, LD, Bus. Seattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, E Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Bileen A, LD, FA. Seattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Seattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, E Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea. LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Seattle Smith, George S, Grad. Centralia
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Seattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, B Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Eileen A, LD, FA. Seattle Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, E Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothey C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Elleen A, LD, FA. Seattle Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jur. Seattle Smith, Gertrude B, UD, Jur. Seattle Smith, Greta M, Unc, LA. Vancouver
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Seattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, E Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Eileen A, LD, FA. Seattle Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Seattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, E Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Elleen A, LD, FA. Seattle Smith, George S, Grad. Centralia Smith, Gertz M, Unc, LA. Vancouver Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Herodo A, LD, LA. Seattle Smith, Herndon, UD, LA. Seattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Seattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea. LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Harold A, LD, LA. Seattle Smith, Harndon, UD, LA. Seattle Smith, Janet Sarah, LD, Sci. Auburn
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Seattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, B Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothe, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Seattle Smith, Harold A, LD, LA. Seattle Smith, Harold A, LD, LA. Seattle Smith, Janet Sarah, LD, Sci. Adburn Smith, Jessie E, LD, Ed. Seattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen, LD, Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, E Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Herndom, UD, LA. Seattle Smith, Janet Sarah, LD, Sci. Adburn Smith, Janet Sarah, LD, Sci. Abburn Smith, Jessie E, LD, Ed. Seattle Smith, John H B, UD, For. Seattle Smith, John H B, UD, For. Seattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, E Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothy C, LD, Bus. Tacoma Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Eileen A, LD, FA. Seattle Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Janet Sarah, LD, Sci. Asburn Smith, Janet Sarah, LD, Sci. Asburn Smith, Joseph B, UD, For. Seattle **Smith, John H B, UD, For. Seattle **Smith, Joseph B, Unc, LA. Twin Falls, Ida
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD. Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Berry, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea. LD, LA. Seattle Smith, Dorothea. LD, LA. Seattle Smith, Dorothey C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Eileen A, LD, FA. Seattle Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Herndon, UD, LA. Seattle Smith, Janet Sarah, LD, Sci. Adburn Smith, Jesse E, LD, Ed. Seattle Smith, John H B, UD, For. Seattle Smith, Joseph B, Unc, LA.Twin Falls, Sentile **Smith, Joseph B, Unc, LA.Twin Falls, Smith, Marlan A, LD. Sci. Tacoma
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Seattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothea, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Gerta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Harold A, LD, LA. Seattle Smith, Janet Sarah, LD, Sci. Auburn Smith, Jessie E, LD, Ed. Seattle **Smith, John H B, UD, For. Seattle **Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Marian A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Seattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, B Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothy C, LD, Bus. Tacoma Smith, Dorothy C, LD, Bus. Tacoma Smith, Eileen A, LD, FA. Seattle Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gretrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Harold A, LD, LA. Seattle Smith, Janet Sarah, LD, Sci. Adburn Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Marlan A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle Smith, Ormond T, Bus. Seattle Smith, Pearl, Grad Seattle Smith, Pearl, Grad Seattle Smith, Pearl, Grad
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD. Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour. Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Janet Sarah, LD, Sci. Adburn Smith, Jessie E, LD, Ed. Seattle Smith, John H B, UD, For. Seattle **Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Marlan A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle Smith, Ormond T, Bus. Seattle Smith, Ormond T, Bus. Seattle Smith, Pearl, Grad Seattle Smith, Quentin S, LD, LA. Paynliup
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, E Beryl, UD, LA. Vancouver Smith, Charles, J. LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothea, LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Eileen A, LD, FA. Seattle Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Harold A, LD, LA. Seattle Smith, Janet Sarah, LD, Sci. Adburn Smith, Janet Sarah, LD, Sci. Aburn Smith, John H B, UD, For. Seattle **Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Marlan A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle Smith, Pearl, Grad Seattle Smith, Quentin S, LD, LA. Puyallup Smith, Ralph L, LD, Sci. Miller River
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD. Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothea, LD, LA. Seattle Smith, Dorothey C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jur Seattle Smith, Gretta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Grets M, Unc, LA. Seattle Smith, Janet Sarah, LD, Sci. Adburn Smith, Joseshe B, UD, For. Seattle Smith, John H B, UD, For. Seattle Smith, John H B, UD, For. Seattle Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Marlan A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle Smith, Quentin S, LD, LA. Puyallup Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Myron, UD, Bus. Seattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD. Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea. LD, LA. Seattle Smith, Dorothea. LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Harold A, LD, LA. Seattle Smith, Janet Sarah, LD, Sci. Seattle Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Marlan A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle Smith, Ormond T, Bus. Seattle Smith, Pearl, Grad Seattle Smith, Ralph Cts, LD, Ed. Miller River Smith, Ralph L, LD, Sci. Miller River Smith, Ralph L, LD, Sci. Miller River Smith, Ralph Dts, LD, FA. Centralia
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD. Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc. Bus. Seattle Smith, Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea. LD, LA. Seattle Smith, Dorothea. LD, LA. Seattle Smith, Dorothey C, LD, Bus. Tacoma Smith, Dorothy C, LD, Bus. Tacoma Smith, Eileen A, LD, FA. Seattle Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc. LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Herndon, UD, LA. Seattle Smith, Herndon, UD, LA. Seattle Smith, John H B, UD, For. Seattle Smith, John H B, UD, For. Seattle Smith, Marlan A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle Smith, Marlan A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle Smith, Quentin S, LD, LA. Puyallup Smith, Ralph Cts, LD, Ed. Miller River Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Otis, LD, FA. Centralia Smith, Ralph Cts, LD, FA. Centralia
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen LD. Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothea, LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Gretra M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Herndom, UD, LA. Seattle Smith, Janet Sarah, LD, Sci. Adburn Smith, Jessie E, LD, Ed. Seattle Smith, John H B, UD, For Seattle **Smith, John H B, UD, For Seattle **Smith, John H B, UD, For Seattle Smith, John H B, UD, For Seattle Smith, Ormond T, Bus. Seattle Smith, Ormond T, Bus. Seattle Smith, Pearl, Grad Seattle Smith, Pearl, Grad Seattle Smith, Ralph L, LD, Sci. Miller River Smith, Ralph L, LD, Sci. Miller River Smith, Ralph Myron, UD, Bus Seattle Smith, Ralph Otis, LD, FA. Centralia Smith, Ralph Rice, LD, LA. Seattle Smith, Raymond C, LD, CE. Merritt
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, B Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothea, LD, LA. Seattle Smith, Dorothea, LD, LA. Seattle Smith, Doyle, LD, Bus. Tacoma Smith, Eileen A, LD, FA. Seattle Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Gerta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Herndon, UD, LA. Seattle Smith, Janet Sarah, LD, Sci. Adburn Smith, John H B, UD, For. Seattle *Smith, John H B, UD, For. Seattle *Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Marlan A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle Smith, Quentin S, LD, LA. Puyallup Smith, Ralph Cla. LD, LA. Puyallup Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Rice, LD, LA. Seattle Smith, Ralph Cl.D, CE. Merritt Smith, Ralph LD, Bus. Seattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen LD. Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothea, LD, LA. Seattle Smith, Dorothea, LD, LA. Scattle Smith, Doyle, LD, Bus. Tacoma Smith, Eileen A, LD, FA. Seattle Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Greta M, Unc, LA. Seattle Smith, Janet Sarah, LD, Scattle Smith, Joseph B, UD, For Seattle Smith, Joseph B, Unc, LA. Twin Falls, Ids Smith, Grand A, LD, Scattle Smith, Ormond T, Bus. Seattle Smith, Quentin S, LD, LA. Puyallup Smith, Ralph Myron, UD, Bus Seattle Smith, Ralph Rice, LD, LA. Seattle Smith, Ralph Richard W, LD, Ebg Ellisport
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD. Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea. LD, LA. Seattle Smith, Dorothea. LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Harold A, LD, LA. Seattle Smith, Janet Sarah, LD, Sci. Auburn Smith, Jessie E, LD, Ed. Seattle Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Marlan A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle Smith, Ormond T, Bus. Seattle Smith, Pearl, Grad Seattle Smith, Ralph Otts, LD, EA. Miller River Smith, Ralph Cts, LD, FA. Centralia Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Cts, LD, FA. Centralia Smith, Ralph Rice, LD, LA. Seattle Smith, Ralph Rice, LD, LA. Seattle Smith, Raymond C, LD, CE. Merritt Smith, R Hall, LD, Bus. Seattle Smith, R Hall, LD, Bus. Seattle Smith, R Hall, LD, Bus. Seattle Smith, Robert K, LD, Ed. Merritt Smith, Robert K, LD, Ed. Seattle Smith, Robert K, LD, LA. Seattle Smith, Robert K, LD, LA. Seattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD. Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Berryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea. LD, LA. Seattle Smith, Dorothea. LD, LA. Seattle Smith, Dorothey C, LD, Bus. Tacoma Smith, Eileen A, LD, FA. Seattle Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Herold A, LD, LA. Seattle Smith, Herold A, LD, LA. Seattle Smith, Janet Sarah, LD, Sci. Auburn Smith, Jesse E, LD, Ed. Seattle Smith, John H B, UD, For. Seattle Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Marlan A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle Smith, Great M, LD, LA. Puyallup Smith, Ralph C, LD, LA. Puyallup Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Otis, LD, FA. Centralia Smith, Ralph Otis, LD, FA. Seattle Smith, Raymond C, LD, CE. Merritt Smith, Raymond C, LD, Eng. Seattle Smith, Richard W, LD, Eng. Ellisport Smith, Robert K, LD, LA. Seattle Smith,
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen LD. Bus. Scattle *Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Janet Sarah, LD, Sci. Adburn Smith, Janet Sarah, LD, Sci. Adburn Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, John H B, UD, For Seattle *Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Marlan A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle Smith, Pearl, Grad Seattle Smith, Ralph L, LD, Sci. Miller River Smith, Ralph L, LD, Sci. Miller River Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Ctis, LD, FA. Centralia Smith, Ralph Rice, LD, LA. Seattle Smith, Ralph Rice, LD, LA. Seattle Smith, Richard W, LD, Eng. Ellisport Smith, Robert K, LD, LA. Sent Smith, Robert K, LD, LA. Seattle Smith, Robert K, LD, Eng. Ellisport Smith, Robert K, LD, LA. Seattle Smith, Robert K, LD, Eng. Spokane
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD. Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc. Bus. Seattle Smith, Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea. LD, LA. Seattle Smith, Dorothea. LD, LA. Seattle Smith, Dorothey C, LD, Bus. Tacoma Smith, Dorothy C, LD, Bus. Tacoma Smith, Dorothy C, LD, Bus. Tacoma Smith, Elieen A, LD, FA. Seattle Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc. LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Herndon, UD, LA. Seattle Smith, Herndon, UD, LA. Seattle Smith, John H B, UD, For. Seattle Smith, John H B, UD, For. Seattle Smith, Joseph B, Unc. LA. Twin Falls, Ida Smith, Marlan A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle Smith, Marlan A, LD, Sci. Seattle Smith, Quentin S, LD, LA. Puyallup Smith, Ralph Cis, LD, FA. Centralia Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Otis, LD, FA. Centralia Smith, Ralph Otis, LD, FA. Centralia Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Cis, LD, Ed. Merritt Smith, Ralph Cis, LD, Ed. Merritt Smith, Ralph Rice, LD, LA. Seattle Smith, Robert K, LD, Eng. Sellisport Smith, Robert K, LD, Eng. Septane Smith, Rath Norton, UD, FA. Seattle Smith, Robert K, LD, Eng. Spokane Smith, Rath Norton, UD, FA. Seattle Smith, Rath Norton, UD, FA. Seattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen LD. Bus. Scattle *Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, George S, Grad. Centralia Smith, Gleen B, UD, Jour Seattle Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Greta M, Unc, LA. Seattle Smith, Jessie E, LD, Ed. Seattle Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Marlan A, LD, Sci. Tacoma Smith, Pearl, Grad Seattle Smith, Quentin S, LD, LA. Puyallup Smith, Ralph Myron, UD, Bus Seattle Smith, Ralph Rice, LD, Ed. Merritt Smith, Ralph Rice, LD, LA. Seattle Smith, Robert K, LD, Eng. Spokane Smith, Robert K, LD, Eng. Spokane Smith, Ratherton, Unc, Bus Mith Home, Id Smith, Ruth Norton, UD, FA. Seattle Smith, Ratherton, Unc, Bus Mith Home, Id Smith, Ruth Norton, UD, FA. Seattle Sm
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD, Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea. LD, LA. Seattle Smith, Dorothea. LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Harold A, LD, LA. Seattle Smith, Janet Sarah, LD, Sci. Auburn Smith, Jessie E, LD, Ed. Seattle Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Marian A, LD, Sci. Seattle **Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Ormond T, Bus. Seattle Smith, Ormond T, Bus. Seattle Smith, Pearl, Grad Seattle Smith, Ralph Otts, LD, Ed. Miller River Smith, Ralph CL, LD, Sci. Miller River Smith, Ralph CL, LD, Sci. Miller River Smith, Ralph CL, LD, Ed. Miller River Smith, Ralph CL, LD, CE. Merritt Smith, Ralph CL, LD, Ed. Merritt Smith, Raymond C, LD, CE. Merritt Smith, Robert K, LD, LA. Seattle Smith, Ruth Norton, UD, FA. Seattle Smith, Stanley L, LD, Ed. Seattle Smith, Sanley L, LD, Ed. Seattle Smith, Stanley L, LD, Ed. Seattl
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD. Bus. Scattle **Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea. LD, LA. Seattle Smith, Dorothea. LD, LA. Seattle Smith, Dorothey C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Gretra B, UD, Jour Seattle Smith, Herold A, LD, LA. Seattle Smith, Herold A, LD, LA. Seattle Smith, Herold A, LD, LA. Seattle Smith, Joseph B, Unc, LA. Twin Falls, Ids Smith, Marlan A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle Smith, Quentin S, LD, LA. Puyallup Smith, Ralph Ngron, UD, Bus. Seattle Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Ngron, UD, Bus. Seattle Smith, Ralph Cts, LD, FA. Centralia Smith, Ralph Rice, LD, LA. Seattle Smith, Ralph Cts, LD, Ed. Merritt Smith, Raymond C, LD, CE. Merritt Smith, Raymond C, LD, CE. Seattle Smith, Robert K, LD, Bus. Seattle Smith, Robert K, LD, Bus. Seattle Smith, Ratherton, Unc, Bus. Mtn Home, Id Smith, Stanley L, LD, Bus. Seattle Smith, Tremain T, UD. EE. Seattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen LD. Bus. Scattle *Smith, Albert F, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, Angle, Unc, Bus. Seattle Smith, E Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea, LD, LA. Seattle Smith, Dorothea, LD, LA. Seattle Smith, Dorothy C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Greta M, Unc, LA. Vancouver Smith, Harold A, LD, LA. Seattle Smith, Herndom, UD, LA. Seattle Smith, Janet Sarah, LD, Sci. Adburn Smith, Janet Sarah, LD, Sci. Adburn Smith, Joseph B, Unc, LA. Twin Falls, Ida Smith, Marlan A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle Smith, Ormond T, Bus. Seattle Smith, Pearl, Grad Seattle Smith, Ralph L, LD, Sci. Miller River Smith, Ralph L, LD, Sci. Miller River Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Rice, LD, LA. Seattle Smith, Ralph Rice, LD, LA. Seattle Smith, Raymond C, LD, Ce. Merritt Smith, Robert K, LD, Eng. Ellisport Smith, Robert K, LD, Eng. Spokane Smith, Ruth Norton, UD, FA. Seattle Smith, Stanley L, LD, Bus. Seattle Smith, Tremaine J, LD, LA. Spokane Smith, Tremaine J, LD, Eng. Seattle Smith, Tremaine J, LD, LA. Spokane Smith, Tremaine J, LD, Eng. Seattle
Small, Mary Frances, UD, FA. Seattle Smaulding, Owen. LD. Bus. Scattle **Smith, Albert F, Bus. Seattle **Smith, Angle, Unc, Bus. Seattle Smith, Beryl, UD, LA. Vancouver Smith, Charles J, LD, Bus. Waterville Smith, Dorothea. LD, LA. Seattle Smith, Dorothea. LD, LA. Seattle Smith, Dorothey C, LD, Bus. Tacoma Smith, Doyle, LD, Bus. Tacoma Smith, Bileen A, LD, FA. Seattle Smith, George S, Grad. Centralia Smith, Gertrude B, UD, Jour Seattle Smith, Gertrade B, UD, Jour Seattle Smith, Greta M, Unc, LA. Seattle Smith, Herndon, UD, LA. Seattle Smith, Herndon, UD, LA. Seattle Smith, Janet Sarah, LD, Sci. Abburn Smith, Jesse E, LD, Ed. Seattle Smith, John H B, UD, For. Seattle Smith, Joseph B, Unc, LA.Twin Falls, Ida Smith, Marlan A, LD, Sci. Tacoma Smith, Ormond T, Bus. Seattle Smith, Great M, Unc, LA. Twin Falls, Ida Smith, Ralph C, LD, LA. Puyallup Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Otis, LD, FA. Centralia Smith, Ralph Dtis, LD, FA. Centralia Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Myron, UD, Bus. Seattle Smith, Ralph Myron, UD, Ea. Seattle Smith, Ralph Rice, LD, LA. Seattle Smith, Ralph Rice, LD, LA. Seattle Smith, Robert K, LD, Eng. Spokane Smith, Rath Norton, UD, FA. Seattle Smith, Vorney ET, LD, LA. Spokane Smith, Vorney ET, LD, LA. Seattle Smith, Vorney ET, LD, L
Simas, Frances M, UD, Ed. Sprague Simcoe, Neva Lenore, LD, LA. Pt Townsend Simcoe, Philip S, LD, For Pt Townsend Simmons, Dale, Unc. Bus. Prosser Simon, Dorothy, UD, LA. Portland, Or Simon, Rebecca H, Grad Butte, Mont **Simpson, Lewis L, LD, For Seattle Sims, Adelatde Seattle Sims, Mrs Corinne L, Unc, FA. Seattle Sims, Mrs Corinne L, Unc, FA. Seattle Sims, Mrs Corinne L, Unc, FA. Seattle Simson, Jerome, UD, ME. Seattle Simson, Jerome, UD, ME. Seattle Simson, Louls, LD, Bus. Seattle Simclair, Helen M, LD, LA. Seattle Sinclair, Helen M, LD, LA. Seattle Sinclair, Robert Lealle, Unc, Bus. Snohomish Singley, W Norman Meadville, Pa Sisler, Roland W, UD, Mid. Seattle Sisson, Howard A, UD, Min. Allyn Sister, Mary Leonella, UD, Sci. Seattle Sivertz, Victorian, UD, Sci. Seattle Sitylitarey, Louis A, Spec. Oroville Skadrey, Edmund E, LD, Bus. Spokane Skidmore, Samuel, LD, Bus. Spokane Skidmore, Samuel, LD, Bus. Spokane Skidmore, Samuel, LD, LA. Seattle Silauson, Celeste M, Unc, Ed. Seattle Slauson, Howard B, Grad Seattle Slauson, Margaret, LD, Sci. Seattle Slauson, Howard B, Grad Seattle Small, Mary Frances, UD, FA Seattle Small, Mary Frances, UD, FA Seattle

Smith, Vincent, LD, Bus......Seattle Smith, Virgil, LD, Grad. Seattle
Smith, Wallace E, LD, Bus Seattle
Smith, Wallace E, LD, Bus Seattle
Smith, Wallace E, LD, Bus Lynden
Smyth, Harold, Unc, EE Seattle
Smellenberg, Lewis, LD, Eng Seattle
Snellenberg, Lewis, LD, Eng Seattle
Snellenberg, Lewis, LD, Eng Seattle
Snider, Floyd, LD, EE Seattle
Snider, Floyd, LD, EE Seattle
Snow, Corecthen, UD, Bus Blaine
Snow, Loreen Louise, LD, LA Seattle
Snyder, Esther, LD, LA Seattle
Snyder, Esther, LD, LA Seattle
Snyder, Esther, LD, LA Seattle
Sodenback, Florence, LD, Ed Seattle
Soderback, Florence, LD, Ed Seattle
Soderstrom, Harry T, LD, CE Spokane
Softky, Albert M, LD, ME Auburn
Soles, Geraldine, LD, FA Seattle
Soller, Telesforo G, LD, Sci. Philippines
Solomon, Hyman O, Unc, Law Seattle
Sorber, Paul, LD, ChB Seattle
Sorber, Paul, LD, ChB Seattle
Sorenson, Andrew, Unc, Bus Ellensburg
Sorenson, Gladys M, LD, FA Bellerue
Borenson, Harry D, UD, Ed Nooksack
South, Kenneth E, LD, ME Seattle
Southwick, Charles U, LD, LA Chelan
Southwick, Glen H, UD, Bus Blensburg
*Spaulding, Daniel W, LD, Bus Ellensburg
*Spaulding, Daniel W, LD, Bus Chelan
Southwick, Glen H, UD, Bus Seattle
Sparling, Margaret, LD, Bus Hoquiam
Spaulding, Daniel W, LD, Bus Seattle
Sparling, George W, Fr, Eng Seattle
Sparling, Margaret, LD, Bus Hoquiam
Spaulding, Daniel W, LD, Bus Seattle
Sparling, George W, Fr, Eng Seattle
Sparling, George W, Fr, Eng Seattle
Sparling, Margaret, LD, Bus Seattle
Spencer, Frank C, UD, LA Seattle
Sprauding,

Starr, Beatrice E, 3d LawSeattle
Staten, Francis, LD, BusSeattle
Staten, Mildred, LD, BusSeattle
Stedman, Vera. LD. SciSeattle
Steele, Helen, LD, LASeattle
Steele, James H, LD, CERenton
Steele, Kathryn J, Unc, FA. Cedar Rapids, la
Steelman, Eleanor, UD, LASeattle
Steere, M Esther, LD, SciKalispell, Mt
Stein, Ben L, LD, CERussia
Stelling Harman T Une Bus Durellin
Stendal. Orville LerovSedro Woolley
Siemens, Lydia J, UD. EdSeattle
Stenson, William F, LD, SciSnohomish
Stentz, Geraldine, LD, LASeattle
Stephens, Inga A. LD. SciSeattle
Stephens, Loren E, LD, BusCentralia
Stephens, Mildred B, LD, LASeattle
Stephenson, J Ross, LD, PharCentralia
Stern, Carolyn, LD, LASeattle
Stern, Fred R, UD, EESeattle
Stevens, Claude W, LD, BusSeattle
Stevens, Richard F, LD, EESeattle
Stevenson Robert J. LD. Bus Seattle
Stewart, Chesterfield, LD, MinSeattle
Stewart, Edgar Irving Jr, UD, Ed. Seattle
Stewart, Glenn R, LD, BusEllensburg
Stewart, Max D. IID, III
Stewart, Philip H, LD, EE Prosser
Stewart, Ralph B, UD, SciSeattle
St Germain, Garnette, LD, LASeattle
**Stickney, Guy C. MEBothell
Stiles, Russell M, LD, PharSeattle
Stilson, Lillian, LD, FASpokane
St. Tohn Downton L.D. T.A. Chohalis
St John, Bernice, LD, LAChehalis **Stocking. Bernard A. BusSouttle
St John, Bernice, LD, LA Chehalis **Stocking, Bernard A, Bus Scattle Stomner, Ida, UD, Sci Senttle
St John, Bernice, LD, LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomer, Ida, UD, Sci. Seattle Stone, Caleb S Jr, UD, Sci. Scattle
St John, Bernice, LD, LA. Chehalis **Stocking, Bernard A, Bus Scattle Stomer, Ida, UD, Sci Seattle Stone, Caleb S Jr, UD, Sci Scattle Stone, Edward T, LD, ChE Vancouver Stone, Howard I, LD, ChE Tacoms
St John, Bernice, LD, LA. Chehalis *Stocking, Bernard A, Bus Scattle Stomner, Ida, UD, Sci Seattle Stone, Caleb S Jr, UD, Sci Seattle Stone, Edward T, LD, ChE Vancouver Stone, Howard J, LD, Bus Tacoma Stone, Samuel Hollis, Sp. LA. Scattle
St John, Bernice, LD, LA. Chehalis *Stocking, Bernard A, Bus Seattle Stomner, Ida, UD, Sci Seattle Stone, Caleb S Jr, UD, Sci Seattle Stone, Edward T, LD, ChE Vancouver Stone, Howard J, LD, Bus Tacoma Stone, Samuel Hollis, Sp, LA Seattle Stonehouse, Edgar I, LD, Bus Everson
St John, Bernice, I.D., LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stommer, Ida, UD, Sci. Seattle Stome, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, I.D., ChE. Vancouver Stone, Howard J, I.D, Bus. Tacoma Stone, Samuel Hollis, Sp, I.A. Scattle Stonehouse, Edgar I, I.D., Bus. Everson Stoody, Helen Mary I.D., Phar Seattle
St John, Bernice, I.D, LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomer, Ida, UD, Sci. Scattle Stone, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, LD, ChE. Vancouver Stone, Howard J, LD, Bus. Tacoma Stone, Samuel Hollis, Sp. LA. Scattle Stonehouse, Edgar I, LD, Bus. Everson Stoody, Helen Mary LD, Phar Scattle Storey, M Eugenia, UD, Ed. Starbuck Storry Mys Charlotte LD, EA. Scattle
St John, Bernice, LD, LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomer, Ida, UD, Sci. Scattle Stone, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, LD, ChE. Vancouver Stone, Howard J, LD, Bus. Tacoma Stone, Samuel Hollis, Sp, LA. Scattle Stonehouse, Edgar I, LD, Bus. Deverson Stoody, Helen Mary LD, Phar Seattle Storey, M Eugenia, UD, Ed. Starbuck Storm, Mrs Charlotte, LD, EA. Scattle Storm, Kathleen, LD, LA. Scattle
St John, Bernice, LD, LA. Chehalis **Stocking, Bernard A, Bus. Scattle Stomer, Ida, UD, Sci. Seattle Stone, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, LD, ChE. Vancouver Stone, Howard J, LD, Bus. Tacoma Stone, Samuel Hollis, Sp, LA. Scattle Stonehouse, Edgar I, LD, Bus. Everson Stoody, Helen Mary LD, Phar Seattle Storey, M Eugenia, UD, Ed. Starbuck Storm, Mrs Charlotte, LD, FA Scattle Storm, Kathleen, LD, LA. Scattle Storm, Kathleen, LD, LA. Scattle Storms, Walter R, UD, Min. Camas
St John, Bernice, I.D., LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stommer, Ida, UD, Sci. Scattle Stome, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, I.D., ChE. Vancouver Stone, Howard J, I.D., Bus. Tacoma Stone, Samuel Hollis, Sp. I.A. Scattle Stonehouse, Edgar I, I.D., Bus. Everson Stoody, Helen Mary I.D. Phar Scattle Storry, M Eugenia, UD, Ed. Starbuck Storm Mirs Charlotte, I.D. FA Scattle Storm, Kathleen, I.D. I.A. Scattle Storms, Walter R, UD, Min. Camas Storres, Richard Cunningham, I.D. Eug. Scattle
St John, Bernice, I.D, LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomer, Ida, UD, Sci. Scattle Stone, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, I.D, ChE. Vancouver Stone, Howard J, I.D, Bus. Tacoma Stone, Samuel Hollis, Sp, I.A. Scattle Stonehouse, Edgar I, I.D, Bus. Everson Stoody, Helen Mary I.D, Phar Scattle Storey, M Eugenia, UD, Ed. Starbuck Storm, Kathleen, I.D, I.A. Scattle Storm, Kathleen, I.D, I.A. Scattle Storms, Walter R, UD, Min. Camas Storrs, Richard Cunningham, I.D, Eng. Scattle Stovel, Margaret A, I.D, I.A. Scattle
St John, Bernice, I.D., LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomer, Ida, UD, Sci. Scattle Stone, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, LD, ChE. Vancouver Stone, Howard J, LD, Bus. Tacoma Stone, Samuel Hollis, Sp. LA. Scattle Stonehouse, Edgar I, LD, Bus. Everson Stoody, Helen Mary LD, Phar Seattle Storey, M Eugenia, UD, Ed. Starbuck Storm, Mrs Charlotte, LD, FA. Scattle Storm, Kathleen, LD, LA. Scattle Storms, Walter R, UD, Min. Camas Storrs, Richard Cunningham, LD, Eng. Scattle Stovel, Margaret A, LD, LA. Scattle Stover, Merrill M, LD, EE. Scattle Stover, Merrill M, LD, EE. Scattle
St John, Bernice, LD, LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomner, Ida, UD, Sci. Scattle Stome, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, LD, ChE. Vancouver Stone, Howard J, LD, Bus. Tacoma Stone, Samuel Hollis, Sp, LA. Scattle Stonehouse, Edgar I, LD, Bus. Everson Stoody, Helen Mary LD, Phar Sentile Storey, M Eugenia, UD, Ed. Starbuck Storm, Mrs Charlotte, LD, FA. Scattle Storm, Kathleen, LD. LA. Scattle Storms, Welter R, UD, Min. Camas Storrs, Richard Cunningham, LD, Eng. Scattle Stovel, Margaret A, LD, LA. Scattle Stover, Merrill M, LD, EE. Scattle Stover, Merrill M, LD, EE. Scattle Stover, Miriam C, LD, Ed. Scattle Strachan, Gertrude. LD, FA. Garfiel
St John, Bernice, I.D., LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomen, Ida, UD, Sci. Scattle Stome, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, I.D., ChE. Vancouver Stone, Howard J, I.D., Bus. Tacoma Stone, Samuel Hollis, Sp. I.A. Scattle Stonehouse, Edgar I, I.D., Bus. Everson Stoody, Helen Mary I.D. Phar Scattle Storey, M Eugenia, UD, Ed. Starbuck Storm, Mrs Charlotte, I.D. FA. Scattle Storm, Kathleen, I.D. I.A. Scattle Storms, Kathleen, I.D. I.A. Scattle Storms, Richard Cunningham, I.D. Eug. Scattle Stover, Margaret A, I.D., I.A. Scattle Stover, Merrill M, I.D., EE Scattle Stover, Miriam C, I.D. Ed. Scattle Strachan, Gertrude, I.D., FA. Scattle Stower, Behng, I.D., I.A. Petersburg, Alas
St John, Bernice, I.D, LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomer, Ida, UD, Sci. Scattle Stome, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, I.D, ChE. Vancouver Stone, Howard J, I.D, Bus. Tacoma Stone, Samuel Hollis, Sp, I.A. Scattle Stonehouse, Edgar I, I.D, Bus. Everson Stoody, Helen Mary I.D, Phar Seattle Storey, M Eugenia, UD, Ed. Starbuck Storm, Mrs Charlotte, I.D, FA. Scattle Storm, Kathleen, I.D. I.A. Scattle Storms, Walter R, UD, Min. Camas Storrs, Richard Cunningham, I.D, Eng. Scattle Stovel, Margaret A, I.D, I.A. Scattle Stover, Miriam C, I.D, Ed. Scattle Stover, Miriam C, I.D, Ed. Scattle Strand, Gertrude, I.D, I.A. Gearfied Strand, Briling, I.D, I.A. Petersburg, Alas Strand, Robert, I.D, Bus Scattle Strandherr, Herbert, I.D, EB. Scattle
St John, Bernice, I.D, LA. Chehalis *Stocking, Bernard A, Bus. Seattle Stomer, Ida, UD, Sci. Seattle Stone, Caleb S Jr, UD, Sci. Seattle Stone, Caleb S Jr, UD, Sci. Seattle Stone, Edward T, LD, ChE. Vancouver Stone, Howard J, LD, Bus. Tacoma Stone, Samuel Hollis, Sp, LA. Seattle Stonehouse, Edgar I, LD, Bus. Everson Stoody, Helen Mary LD, Phar Seattle Storey, M Eugenia, UD, Ed. Starbuck Storm, Mrs Charlotte, LD, FA. Seattle Storm, Kathleen, LD. LA. Seattle Storms, Walter R, UD, Min. Camas Storrs, Richard Cunningham, LD, Eng. Seattle Stovel, Margaret A, LD, LA. Seattle Stover, Merrill M, LD, EE. Seattle Strover, Miriam C, LD, Ed. Seattle Strand, Gertrude, LD, FA. Garfield Strand, Brling, LD, LA. Petersburg, Alas Strand, Robert, LD, Bus Seattle Stranders, Herbert, LD, EE Seattle Strate, Johanna, Grad. Seattle
St John, Bernice, LD, LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomner, Ida, UD, Sci. Scattle Stome, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, LD, Chie. Vancouver Stone, Howard J, LD, Bus. Tacoma Stone, Samuel Hollis, Sp, LA. Scattle Stonehouse, Edgar I, LD, Bus. Everson Stoody, Helen Mary LD, Phar Sentile Storey, M Eugenia, UD, Ed. Starbuck Storm, Mrs Charlotte, LD, FA. Scattle Storm, Kathleen, LD. LA. Scattle Storm, Kathleen, LD, LA. Scattle Storms, Richard Cunningham, LD, Eng. Scattle Stover, Merrill M, LD, EE. Scattle Stover, Miriam C, LD. Ed. Scattle Strachan, Gertrude, LD, FA. Garfield Strand, Erling, LD, LA. Petersburg, Alas Strand, Robert, LD, Bus. Scattle Strand, Johanna, Grad. Scattle Strate, Johanna, Grad. Scattle Strate, Johanna, Grad. Scattle Strate, Johanna, Grad. Scattle
St John, Bernice, I.D., LA. Chehalis **Stocking, Bernard A, Bus. Scattle Stomen, Ida, UD, Sci. Scattle Stome, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, I.D., ChE. Vancouver Stone, Howard J, I.D., Bus. Tacoma Stone, Samuel Hollis, Sp. I.A. Scattle Stonehouse, Edgar I, I.D., Bus. Everson Stoody, Helen Mary I.D., Phar. Scattle Storm, Mrs Charlotte, I.D., FA. Scattle Storm, Mrs Charlotte, I.D., FA. Scattle Storm, Kathleen, I.D. I.A. Scattle Storm, Kathleen, I.D. I.A. Scattle Storms, Richard Cunningham, I.D., Eng. Scattle Stover, Margaret A, I.D., I.A. Scattle Stover, Merrill M, I.D., EE Scattle Stover, Miriam C, I.D. Ed. Scattle Strachan, Gertrude, I.D., FA. Scattle Strand, Robert, I.D., Bus. Scattle Strathopers, Herbert, I.D., EE Scattle Straunford, Joe F, I.D., Min. Blaine Stratology N B, I.D. Sci. Middleser N C.
St John, Bernice, I.D, LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomen, Ida, UD, Sci. Scattle Stome, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, I.D, ChE. Vancouver Stone, Howard J, I.D, Bus. Tacoma Stone, Samuel Hollis, Sp, I.A. Scattle Stonehouse, Edgar I, I.D, Bus. Everson Stoody, Helen Mary I.D, Phar Seattle Storey, M Eugenia, UD, Ed. Starbuck Storm, Mrs Charlotte, I.D, FA. Scattle Storm, Kathleen, I.D. I.A. Scattle Storm, Kathleen, I.D. I.A. Scattle Storms, Welter R, UD, Min. Camas Storrs, Richard Cunningham, I.D, Eng. Scattle Stover, Merrill M, I.D, EE Scattle Stover, Miriam C, I.D, Ed. Scattle Strachan, Gertrude, I.D, FA. Garfield Strand, Briling, I.D, I.A. Petersburg, Alas Strand, Robert, I.D, Bus Scattle Stracher, Herbert, I.D, EE Scattle Strandberg, Herbert, I.D, EE Scattle Strandberg, Herbert, I.D, EE Scattle Strathger, Herbert, I.D, EE Scattle Straumford, Joe F, I.D, Min. Blaine Straumford, Joe F, I.D, Min. Blaine Strickland, N R, I.D, Sci. Middlesex, N C *Striker, William C, Jour. Kelvin, N D
St John, Bernice, I.D, LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomer, Ida, UD, Sci. Scattle Stone, Caleb S Jr, UD, Sci. Scattle Stone, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, I.D, ChE. Vancouver Stone, Howard J, I.D, Bus. Tacoma Stone, Samuel Hollis, Sp, I.A. Scattle Stonehouse, Edgar I, I.D, Bus. Everson Stoody, Helen Mary I.D, Phar Scattle Storey, M Eugenia, UD, Ed. Starbuck Storm, Mrs Charlotte, I.D, FA. Scattle Storm, Kathleen, I.D, I.A. Scattle Storm, Kathleen, I.D, LA. Scattle Storms, Walter R, UD, Min. Camas Storrs, Richard Cunningham, I.D, Eng. Scattle Stovel, Margaret A, I.D, I.A. Scattle Stover, Miriam C, I.D, Ed. Scattle Stover, Miriam C, I.D, Ed. Scattle Strand, Briling, I.D, I.A. Petersburg, Alas Strand, Erling, I.D, I.A. Petersburg, Alas Strand, Briling, I.D, I.A. Scattle Stratchan, Gertrude, I.D, EE. Scattle Strand, Robert, I.D, Bus Scattle Strand, Robert, I.D, Bus Scattle Strate, Johanna, Grad. Scattle Strickland, N R, I.D, Sci. Middlesex, N C *Striker, William C, Jour. Kelvin, N D Strite, Daniel D Jr, Sp, For. Bay City, Or
St John, Bernice, I.D., LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomner, Ida, UD, Sci. Scattle Stome, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, I.D., Chel. Vancouver Stone, Howard J, I.D., Bus. Tacoma Stone, Samuel Hollis, Sp, I.A. Scattle Stonehouse, Edgar I, I.D., Bus. Dverson Stoody, Helen Mary I.D., Phar Sentile Storen, Mcugenia, UD, Ed. Starbuck Storm, Mrs Charlotte, I.D., FA. Scattle Storm, Kathleen, I.D. I.A. Scattle Storm, Kathleen, I.D. I.A. Scattle Storms, Richard Cunningham, I.D., Eng. Scattle Stover, Merrill M, I.D., EE. Scattle Stover, Merrill M, I.D., EE. Scattle Stover, Miram C, I.D. Ed. Scattle Strachan, Gertrude, I.D., FA. Garfield Strand, Erling, I.D., LA., Petersburg, Alas Strand, Robert, I.D., Bus. Scattle Strate, Johanna, Grad. Scattle Strate, Johanna, Grad. Scattle Stratentor, Gertrude Inez, Grad. Scattle Striker, William C, Jour. Kelvin, N D Strike, Daniel D Jr, Sp, For Bay City, Or Strike, Paul. LD, Sci. Scattle
St John, Bernice, I.D., LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomen, Ida, UD, Sci. Scattle Stome, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, I.D., ChE. Vancouver Stone, Howard J, I.D., Bus. Tacoma Stone, Samuel Hollis, Sp. LA. Scattle Stonehouse, Edgar I, I.D., Bus. Everson Stoody, Helen Mary I.D., Phar. Scattle Storm, Mrs Charlotte, I.D., FA. Scattle Storm, Mrs Charlotte, I.D., FA. Scattle Storm, Kathleen, I.D. I.A. Scattle Storm, Kathleen, I.D. I.A. Scattle Storms, Richard Cunningham, I.D., Eng. Scattle Stover, Mergaret A, I.D., I.A. Scattle Stover, Merrill M, I.D., EE. Scattle Stover, Miriam C, I.D. Ed. Scattle Strachan, Gertrude, I.D., FA. Scattle Strand, Robert, I.D., Bus. Scattle Strand, Robert, I.D., Bus. Scattle Straumford, Joe F, I.D., Min. Blaine Strauker, Gertrude Inez, Grad. Scattle Strauker, William C, Jour. Kelvin, N D Stritzek, Paul, I.D, Sci. Middlesex, N C *Striker, William C, Jour. Kelvin, N D Stritze, Daniel D Jr, Sp. For. Bay City, Or Strizek, Paul, LD, Sci. Scattle Strong, Arthur B, Unc, I.A. Scattle Strong, Arthur B, Unc, I.A. Scattle
St John, Bernice, I.D, LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomen, Ida, UD, Sci. Scattle Stome, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, I.D, ChE. Vancouver Stone, Howard J, I.D, Bus. Tacoma Stone, Samuel Hollis, Sp, I.A. Scattle Stonehouse, Edgar I, I.D, Bus. Everson Stoody, Helen Mary I.D, Phar Scattle Storey, M Eugenia, UD, Ed. Starbuck Storm, Mrs Charlotte, I.D, FA. Scattle Storm, Kathleen, I.D. I.A. Scattle Storm, Kathleen, I.D. I.A. Scattle Storms, Welter R, UD, Min. Camas Storrs, Richard Cunningham, I.D, Eng. Scattle Stover, Merrill M, I.D, EE. Scattle Stover, Miriam C, I.D, Ed. Scattle Stranden, Gertrude, I.D, FA. Scattle Strand, Erling, I.D, I.A. Petersburg, Alas Strand, Robert, I.D, Bus Scattle Stranderg, Herbert, I.D, EE. Scattle Stranderg, Herbert, I.D, EE. Scattle Strated, Johanna, Grad Scattle Straumford, Joe F, I.D, Min. Blaine Streator, Gertrude Inez, Grad Scattle Strickland, N R, I.D, Sci. Middlesex, N C *Striker, William C, Jour. Kelvin, N D Strite, Daniel D Jr, Sp, For Bay City, Or Strizek, Paul. LD, Sci. Scattle Strong, Arthur B, Unc. I.A. Scattle Strong, Flora M, Grad Bellevue Strong, Gladys D, I.D. I.A. Scattle
St John, Bernice, I.D, LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomer, Ida, UD, Sci. Scattle Stome, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, I.D, ChE. Vancouver Stone, Howard J, I.D, Bus. Tacoma Stone, Samuel Hollis, Sp, I.A. Scattle Stonehouse, Edgar I, I.D, Bus. Everson Stoody, Helen Mary I.D, Phar Scattle Storey, M Eugenia, UD, Ed. Starbuck Storm, Mrs Charlotte, I.D, FA. Scattle Storm, Kathleen, I.D. I.A. Scattle Storm, Kathleen, I.D. I.A. Scattle Storm, Kathleen, I.D. I.A. Scattle Stovel, Margaret A, I.D, Min. Camas Storrs, Richard Cunningham, I.D, Eng. Scattle Stover, Miriam C, I.D, Ed. Scattle Stover, Miriam C, I.D, Ed. Scattle Strand, Briling, I.D, I.A. Petersburg, Alas Strand, Robert, I.D, Bus Scattle Stratchan, Gertrude, I.D, Ed. Scattle Stratch, Johanna, Grad. Scattle Stratch, Johanna, Grad. Scattle Stratckland, N R, I.D, Sci. Middlesex, N C *Striker, William C, Jour. Kelvin, N D Strite, Daniel D Jr, Sp. For. Bay City, Or Strizek, Paul, I.D, Sci. Middlesex, N C *String, Flora M, Grad. Bellevue Strong, Flora M, Grad. Bellevue Strong, Flora M, Grad. Bellevue Strong, Gladys D, I.D, I.A. Seattle Stroud, Ruth, I.D, I.A. Seattle
St John, Bernice, I.D., LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomer, Ida, UD, Sci. Scattle Stome, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, I.D., Chel. Vancouver Stone, Howard J, I.D., Bus. Tacoma Stone, Samuel Hollis, Sp, I.A. Scattle Stonehouse, Edgar I, I.D., Bus. Everson Stoody, Helen Mary I.D., Phar. Scattle Storen, Mrs Charlotte, I.D., FA. Scattle Storm, Mrs Charlotte, I.D., FA. Scattle Storm, Kathleen, I.D. I.A. Scattle Storm, Kathleen, I.D. I.A. Scattle Storms, Richard Cunningham, I.D., Eng. Scattle Stover, Mergard A, I.D., I.A. Scattle Stover, Merrill M, I.D., EE. Scattle Stover, Merrill M, I.D., EE. Scattle Stover, Mirlam C, I.D. Ed. Scattle Strachan, Gertrude, I.D., FA. Garfield Strand, Robert, I.D., Bus. Scattle Strandberg, Herbert, I.D., ES. Scattle Strate, Johanna, Grad. Scattle Strate, Gertrude Incz, Grad. Scattle Stratken, Gertrude Incz, Grad. Scattle Striker, William C, Jour. Kelvin, N D Strike, Daniel D Jr, Sp, For Bay City, Or Strizek, Paul, I.D., Sci. Scattle Strong, Arthur B, Unc, I.A. Scattle Strong, Gladys D, I.D, I.A. Scattle Strong, Gladys D, I.D, I.A. Scattle Strond, Warren I, I.D, Bus. Sherldan, Wyo Strond, Warren I, I.D, Bus. Sherldan, Scattle
St John, Bernice, I.D., LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomen, Ida, UD, Sci. Scattle Stome, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, I.D., ChE. Vancouver Stone, Howard J, I.D., Bus. Tacoma Stone, Samuel Hollis, Sp. LA. Scattle Stone, Samuel Hollis, Sp. LA. Scattle Stonehouse, Edgar I, I.D., Bus. Everson Stoody, Helen Mary I.D., Phar. Scattle Storm, Mrs Charlotte, I.D., FA. Scattle Storm, Mrs Charlotte, I.D., FA. Scattle Storm, Kathleen, I.D. I.A. Scattle Storm, Kathleen, I.D. I.A. Scattle Storms, Richard Cunningham, I.D., Eng. Scattle Stover, Merrill M, I.D., EE. Scattle Stover, Merrill M, I.D., EE. Scattle Strover, Merrill M, I.D., EE. Scattle Strachan, Gertrude, I.D., FA. Scattle Strand, Robert, I.D., Bus. Scattle Strand, Robert, I.D., Bus. Scattle Straumford, Joe F, I.D., Min. Blaine Straumford, Joe F, I.D., Min. Blaine Straudroft, Gertrude Inez, Grad. Scattle Straumford, Joe F, I.D., Min. Blaine Streator, Gertrude Inez, Grad. Scattle Straumford, Joe F, I.D., Min. Scattle Strauker, William C, Jour. Kelvin, N D Stritzek, Paul, I.D, Sci. Middlesex, N C **Striker, William C, Jour. Kelvin, N D Stritzek, Paul, I.D., Sci. Scattle Strong, Arthur B, Unc, I.A. Scattle Strong, Gladys D, I.D., I.A. Scattle Strong, Gladys D, I.D., I.A. Scattle Strond, Ruth, I.D., LA. Sheridan, Wyo Strond, Warren L, I.D., For. Scattle **Strum Elmer A, Eng. Scattle
St John, Bernice, I.D, LA. Chehalis *Stocking, Bernard A, Bus. Scattle Stomen, Ida, UD, Sci. Scattle Stome, Caleb S Jr, UD, Sci. Scattle Stone, Edward T, I.D, ChE. Vancouver Stone, Howard J, I.D, Bus. Tacoma Stone, Samuel Hollis, Sp. I.A. Scattle Stonehouse, Edgar I, I.D, Bus. Everson Stoody, Helen Mary I.D, Phar Scattle Storey, M Eugenia, UD, Ed. Starbuck Storm, Mrs Charlotte, I.D, FA. Scattle Storm, Kathleen, I.D, I.A. Scattle Storm, Kathleen, I.D, I.A. Scattle Storm, Kathleen, I.D, I.A. Scattle Storms, Richard Cunningham, I.D, Eug. Scattle Stover, Merrill M, I.D, EE Scattle Stover, Mirlam C, I.D, Ed. Scattle Stover, Mirlam C, I.D, Ed. Scattle Strachan, Gertrude, I.D, FA. Scattle Strand, Robert, I.D, Bus Scattle Strandherg, Herbert, I.D, EE Scattle Stranderg, Herbert, I.D, EE Scattle Stratnofford, Joe F, I.D, Min Blaine Streator, Gertrude Inez, Grad Scattle Strickland, N R, I.D, Sci. Middlesex, N C *Striker, William C, Jour. Kelvin, N D Strite, Daniel D Jr, Sp. For Bay City, Or Strizek, Paul, I.D, Sci. Scattle Strong, Arthur B, Unc, I.A. Scattle Strong, Rollin C, I.D, Bus Sheridan, Wyo Strond, Rollin C, I.D, For Scattle *Strum, Eilmer A, Emg. Scattle *Strum, Eilmer A, Emg. Scattle
Starr, Beatrice E, 3d Law

Sturgis, Alice E, LD, Ed.... Sturgis, Mich Styer, Cornelius W, UD, LA.... Seattle Sugimachi, Yaemitsu, LD, LA.... Japan Sulivan, Marie, LD, Bus... Seattle Sullivan, John D, Grad... Seattle Sullivan, John E, UD, Sci... Seattle Sullivan, John E, UD, Sci... Seattle Sullivan, John K, LD, Phar... Ritsville Sullivan, Richard F, Grad... Seattle Sullivan, Richard F, Grad... Seattle Sulk, Albert, LD, Min... Seattle Sulk, Albert, LD, Min... Seattle Summy. Archibald P, UD, Bus... Seattle Sumdquist, Leona M, Grad... Mt Vernon Suomela, Arnie J, LD, Fish Ilwaco Sutter Carl Fain, Fr, Bus... Seattle Sutton, Alice Dolores, LD, LA... Seattle Sutton, Phoebe Jane, LD, Sci... Seattle Swaile, George E, LD, Bus. National City, Cal Swain, Olive, UD, Sci... Seattle Swain, Olive, UD, Sci... Tacoma Swalnwell, William H, LD, For Seattle Swan, Helen, LD, LA... Seattle Swan, Helen, LD, LA... Seattle Swanberg, Amy, LD, Bus... Seattle Swanberg, Ruby, LD, Ed... Seattle Swanberg, Ruby, LD, Ed... Seattle Swanson, Charles, LD, Bus... Seattle Swanson, Ruth F, LD, LA... Troy, Mt Swanson, Verne J, LD, EE... Seattle Swasson, Verne J, LD, EE... Seattle Swasson, Verne J, LD, EE... Seattle Swaset, Marie, LD, LA... Seattle Swasson, Pariette E, UD, LA... Raymond Sweeney, Frank E, LD, Bus... Seattle Sweet, Marion L, LD, FA... Okanogan Swegle, Walter H, UD, ME... Renton Sweese, Marie, LD, LA... Seattle Sweet, Marie, LD, LA... Sea

Tachell, Maud, UD, FA. Renton Taft, Alice L, UD, LA. Seattle Taft, Herbert, Unc, LA. Seattle Taft, Herbert, Unc, LA. Seattle Taft, John G, LD, Bus. Seattle Taft, Maurine, LD, Sci. Beach Taggart, George M, LD, Bus. Seattle Tait, Harry A, LD, Eng. Seattle Tait, Harry A, LD, Eng. Seattle Tait, Harry A, LD, LA. Seattle Talbot, Katherine, LD, LA. Seattle Talbot, Mira, LD, LA. Seattle Talbot, Mira, LD, LA. Seattle Talbot, Mira, LD, LA. Seattle Talmadge, Walter H, LD, ME. Seattle Talmadge, Walter H, LD, Bus. Seattle Tanner, Benjamin F, LD, Bus. Seattle Tanner, Benjamin F, LD, Bus. Seattle Tanner, Mm Max, Unc, Eng. Seattle Tanner, Wm Max, Unc, Eng. Seattle Tappe, Kenneth H, LD, For. Bremerton Tarter, Clyde S, UD, Sci. Seattle Tappe, Lee. LD, Phar. Bremerton Tarter, Clyde S, UD, Sci. Seattle Taylor, Bertrand, UD, Jour Sumner Taylor, Bertrand, UD, Jour Sumner Taylor, Elenity A, Grad. Tacoma Taylor, Bertrand, UD, LA. Los Angeles, Cal Tatum, Fernley A, Grad. Tacoma Taylor, Elenitetta, UD, LA. Seattle Taylor, Martha A, Unc, LA. Duluth, Minn Taylor, Nancy E, LD, LA. Seattle Taylor, Nancy E, LD, LA. Seattle Taylor, JE Rex, UD, Phar. Seattle Taylor, JE Rex, UD, Phar. Seattle Taylor, Wm D G, UD, FA. Tacoma *Taylor, Wm D G, UD, FA. Tacoma *Taylor, Wm S Jr, UD, For. Darrington the Taylor, Wm S Jr, UD, For.

Tee-Garden, Chester U, UD, JourSeattle
Tegland, Nellie May, UD, EdTacoma
Teig, Clifford L, LD, CESeattle
Teig, Ralph, LD, EESeattle
Moinds Phillips A 1st Town Dillipsion
Tejada, Emiliano A. 1st LawPhilippines
Tendick, Lloyd B, GradFargo, N D
Terry, Margaret L. UD. LA. Louisville, Ky
Terry, Miriam, LD, FA Senttle
Tejada, Emiliano A. 1st LawPhilippines Tendick, Lloyd B, Grad
Tevis, James, UD, Bus Seattle
Thaver, Jeannette, LD LA Everett
Therrigalt Albert LD Bas Turion
Thielman Cathleen E LD Sci Scottle
Third Paul I.D Sai Sastia
Thode Elizabeth I.D I.A Roise Ide
Thomas Charlotte I.D EA Danvey Colo
Thomas Dwight LD Rus Sauttle
Thomas Front E I.D T.A Ellonchurg
Thomas Irono III) I.A. Dollingham
Thomas, Trede, UD, DA Bellinghill
Thomas, Janice, LD, LASeattle
Thomas, Lee B, UD, BusSumner
Thomas, Margaret C, LD, Sci. Beilingnam
Thomas, Margaret E, UD, Sci Seattle
Thomas, Roscoe G, Seattle
Thomas, Vera, LD, EdSeattle
Thome, Joseph, Unc, LawGranger
Thome, Matthew W. LD, LAGranger
Thomen, Ella, Unc, Ed Junction City, Kans
Thompson, Abbott L, LD, Eng Seattle
Thompson, Adelle, LD, SciEnumclaw
Thompson, Aletha, UD, LASeattle
Thompson, Alfred, LD, LARaymond
Thompson, Allen E, LD, ForSenttle
Thompson, Aurora, LD, SciSeattle
Thompson, Browder, LD, EE Seattle
Thompson, Ethel, UD, LA Everett
Thompson, Wm Hale, Unc. BusCentralia
Thompson, Harold Albert, LD, Sci. Seattle
Thompson, F Helen, Unc, FA Seattle
Thompson, Helen, LD, SciSeattle
Thompson, Helen M. LD, LA. Pendleton, Or
Thompson, Irene, LD, LAEverett
Thompson, Jane E. UD. LATacoma
Thompson, Lois D. LD. LASeattle
Thompson, Marguerite E. Unc. LA. Seattle
Thompson, Nathan P. LD. Bus Everett
Thompson, Suzanne, LD, FA Seattle
Thompson, Thelms L. UD. LA Seattle
Thompson, William Hale Unc. Bus Centralia
Thomsen Figther LD Bug Sedro Woolley
Thomson, Ernest D. LD. LA Seattle
Thomson Momie L. LD Bug Wilhur
Thornwon John Edwin I.D Min Scottle
Torogon Wallace IID Chill Scottle
Thororimon Mrs Murtle D I.D I.A Scattle
Thornton Done C. R. I.D. Gol
Thorn Irone Dorig I.D. T.A. Scattle
Thomas Clarence 9 III ME Contile
Thoraton Tomos IID Day South
Thurson, James, CD, DusSeattle
Thomas C. Donnties IID Dec Physikup
Thing, 8 Prentiss, UD, BusSeattle
Tibbits, Erva L, LD, SciCashinere
Tidmarsh, Patrick M., UD, LASeattle
Timany, Clara L, Lib Seattle
Tirt, Claire C, LD, EE Briday Harbor
THOUTY, Percy W, LD, BusNOOKBACK
Bilder II Dimend ID ON Control
Tilton K Elwood, LD, ChE Seattle
Tilton, K. Elwood, LD, ChESeattle Tilton, Warren G, LD. EESeattle
Tilton K Elwood, LD, ChE Seattle Tilton, Warren G, LD, EE Seattle **Tinch, Edwin A. FA Seattle
Tilton K Elwood, LD, ChE. Seattle Tilton, Warren G, LD, EE. Seattle **Tinch. Edwin A. FA. Seattle Tinkcom, Lucile, LD, FA. Seattle
Tilton K Elwood, LD, ChE. Seattle Tilton, Warren G, LD, EE. Seattle **Tinch, Edwin A, FA. Seattle Tinkcom, Lucile, LD, FA. Seattle Tinkcom, Dorothy J, LD, LA. Tacoma
Tilton K Elwood, LD, ChE. Seattle Tilton, Warren G, LD. EE. Seattle **Tinch, Edwin A. FA. Seattle Tinkcom, Lucile, LD, FA. Seattle Tinkcom, Lucile, LD, FA. Seattle Tinker, Dorothy J, LD, LA. Tacoma Tinling, Norman Jay, LD, Eng. Seattle
Tilton K Elwood, LD, ChE. Seattle Tilton, Warren G, LD, EE. Seattle **Tinch, Edwin A. FA. Seattle Tinkcom, Lucile, LD, FA. Seattle Tinker, Dorothy J. LD, LA. Tacoma Tinling, Norman Jay, LD, Eng. Seattle Tobey, Lono W, LD, Bus. Elma
Tilton K Elwood, LD, ChE. Seattle Tilton, Warren G, LD, EE. Seattle **Tinch, Edwin A, FA. Seattle Tinkcom, Lucile, LD, FA. Seattle Tinkcom, Lucile, LD, FA. Seattle Tinker, Dorothy J, LD, LA. Tacoma Tinling, Norman Jay, LD, Eng. Seattle Tobey, Lono W, LD, Bus. Elma Todd, Daphne, UD, LA. Tacoma
Tilton K Elwood, LD, ChE. Seattle Tilton, Warren G, LD, EE. Seattle **Tinch, Edwin A. FA. Seattle Tinkcom, Lucile, LD, FA. Seattle Tinkcom, Lucile, LD, FA. Seattle Tinking, Norman Jay, LD, Eng Seattle Tobey, Lono W, LD, Bus Seattle Todd, Daphne, UD, LA. Tacoma Todd. Daphne, UD, LA. Tacoma Todden, Paul Jacob, LD, Bus Seattle
Tilton K Elwood, LD, ChE. Seattle Tilton, Warren G, LD, EE. Seattle **Tinch, Edwin A, FA. Seattle Tinkcom, Lucile, LD, FA. Seattle Tinker, Dorothy J, LD, LA. Tacoma Tinling, Norman Jay, LD, Eng. Seattle Tobey, Lono W, LD, Bus. Elma Todd, Daphne, UD, LA. Tacoma Todsen, Paul Jacob, LD, Bus. Seattle Tomas, Nicanor, UD, Bus. Philippines
Tilton K Elwood, LD, ChE. Seattle Tilton, Warren G, LD, EE. Seattle **Tinch, Edwin A. FA. Seattle Tinkcom, Lucile, LD, FA. Seattle Tinkcom, Lucile, LD, FA. Seattle Tinker, Dorothy J. LD, LA. Tacoma Tinling, Norman Jay, LD, Eng. Seattle Tobey, Lono W, LD, Bus. Elma Todd, Daphne, UD, LA. Tacoma Toddsen, Faul Jacob, LD, Bus. Seattle Tomas, Nicanor, UD, Bus. Philippines Tomas, Nicanor, UD, Ess. Philippines Tominaga, Sakaye M, Unc, LA. Factoria
Thomas, Janice, LD, LA. Seattle Thomas, Lee B. UD, Bus. Summer Thomas, Margaret C, LD, Sci. Sellingham Thomas, Margaret E, UD, Sci. Seattle Thomas, Roscoe G, Seattle Thomas, Vera, LD, Ed. Seattle Thomas, Vera, LD, Ed. Seattle Thome, Matthew W, LD, Law. Granger Thome, Matthew W, LD, Law. Granger Thome, Matthew W, LD, Law. Granger Thome, Matthew W, LD, LA. Granger Thompson, Abbott L, LD, Eng. Seattle Thompson, Abbott L, LD, Eng. Seattle Thompson, Abbott L, LD, Eng. Seattle Thompson, Alelle, LD, Sci. Enumclaw Thompson, Alered, LD, Sci. Seattle Thompson, Allen E, LD, For. Seattle Thompson, Allen E, LD, For. Seattle Thompson, Aurora, LD, Sci. Seattle Thompson, Browder, LD, EE Seattle Thompson, Wm Hale, Unc, Bus. Centralia Thompson, Wm Hale, Unc, Bus. Centralia Thompson, Helen, LD, Sci. Seattle Thompson, Helen, LD, LA. Everett Thompson, Inene, LD, LA. Everett Thompson, Inene, LD, LA. Seattle Thompson, Jane E, UD, LA. Seattle Thompson, Nathan P, LD, Bus. Seattle Thompson, Nathan P, LD, Bus. Seattle Thompson, William Hale Unc, Bus. Centralia Thompson, William Hale Unc, Bus. Centralia Thompson, William Hale Unc, Bus. Centralia Thompson, Wallace, UD, LA. Seattle Thompson, Mannie L, LD, Bus. Seattle Thorp, Inches Company Co

Tompkins, Chester, LD, Bus.....Kirkland

Upton, Marletta, UD, JourSeattle Urbanek, Eugene R, UD, EEDes Moines Utley, Willa P, LD, LASeattle Uyesawa, KJapan
Urbanek, Eugene R, UD, EEDes Moines
Utley, Willa P, LD, LASeattle
Uyesawa, KJapan
Valencsin, Victoria, LD, PharRoslyn
Valentine, Albert L Jr. UD, BusSeattle
*Valentine, Haddon P, LD, EETacoma
Valmonte, Leonardo, Unc, ChE. Philippines
**Van Arsdol, M D, Unc, EngClaraston
Van Buskirk, Adelbert, LD, Sci. Edmonds
Van Devanter, Aaron, LD, CEBurton
van Duzen, Bess G, UD, SciTacoma
Van Duzee, Jeannette E. UD, LA St Paul
Van Baton, Haroid, LD, MEOlympia
Van Gredell Otto Doord ID IA Conttle
Van Orsuan, One Fear, Inc. Inc Seattle
Van Milhore More T.D T.A Scattle
Van Vleet Caril Spicer Grad Camas
Valencsin, Victoria, LD, Phar Roslyn Valentine, Albert L Jr, UD, Bus Seattle **Valentine, Haddon P, LD, EE Tacoma Valmonte, Leonardo, Unc, ChE. Philippines **Van Arsdol, M D, Unc, Eng Clarkston Van Buskirk, Adelbert, LD, Sci. Edmonds Van Duzen, Bess G, UD, Sci Tacoma Van Duzen, Bess G, UD, Sci Tacoma Van Duzee, Jeannette E, UD, LA. St Paul Van Eaton, Harold, LD, ME Olympia Van Gilder, F M, LD, LA St Helens, Or Van Orsdall, Otic Pearl, LD, LA Seattle Van Tilborg, Lawrence D, LD, Bus. Seattle Van Tilborg, Mary, LD, LA Seattle Van Tilborg, Cecil Spicer, Grad Camas Van Viet, Carolyn, LD, LA Yakima Van Voris, William S, Unc. Law Tacoma Van Viet, Florence, LD, Phar Seattle Van Winkle, Barak, LD, LA Puyallup Vance, Mrs Rose S, Grad Eugene, Or Vandercook, Jeannette C, UD, Bus Seattle Van Vance, Mrs Rose S, Grad Eugene, Or Vandercook, Jeannette C, UD, Bus Seattle
Van Vorig Cacil S LD Bus Seattle
Van Voris William S Tine Law Tecoms
Van Wie Florence LD. PharSeattle
Van Winkle, Barak, LD, LA Puvallup
Vance, Mrs Rose S. GradEugene, Or
Vandercook, Jeannette C. UD. Bus. Seattle
Vannoy, Louise, UD, Ed., Philipsburg, Mont
Veitch, Albert H. LD. CE. Washington, DC
Velten, Alice K, LD, SciPt Orchard
Verd, Laura M. LD, BusSeattle
Verd, Wesley E, LD, LASeattle
Versteeg, Evelyn A, LD, FAPortland, Or
Vestal, Webley, LD, Bus
Vetter, George B, Grad
Vick, Jusephine, LD, Dus
Victor Fronk I In Une Rue Seettle
Victor, Frank J Jr., Onc., Dus Seattle
Villagge Andrea LD Eng Philipping
Vincent Chester LD Bus Seattle
Vincent, Russell, LD, EngSeattle
Vining, Genevieve V. LD. LA Seattle
Vining. Orrin. 1st LawSeattle
Vinton, Harriet E, LD, FASeattle
Virgil, La Motte, LD, LASeattle
Virtue, Norma, LD, LAMissoula, Mont
Voelker, Claude B, LD, BusSpokane
Vogel, Catherine, UD, LATacoma
Von Babo, Max Arthur, LD, Eng Seattle
Von Erickson, Lyle G, UD, LASeattle
Van Winkle, Barak, LD, LA. Puyallup Vance, Mrs Rose S, Grad Eugene, Or Vandercook, Jeannette C, UD, Bus. Seattle Vannoy, Louise, UD, Bd. Philipsburg, Mont Veitch, Albert H, LD, CE. Washington, DO Velten, Allce K, LD, Sci Pt Orchard Verd, Leura M, LD, Bus Seattle Verd, Wesley E, LD, LA Seattle Verd, Wesley E, LD, LA Portland, Or Vestal, Webley, LD, Bus Seattle Verter, George B, Grad Machias Vick, Josephine, LD, Bus Seattle Vickers, Mildred L, UD, FA Seattle Vickers, Mildred L, UD, FA Seattle Victor, Frank J Jr, Unc, Bus Seattle Vierbus, Alex M, Unc, Law Seattle Vierbus, Alex M, Unc, Law Seattle Vilengs, Andres, LD, Eng Philippines Vincent, Chester, LD, Bus Seattle Vining, Genevieve V, LD, LA Seattle Vining, Grin, 1st Law Seattle Vining, Grin, 1st Law Seattle Vinion, Harriet E, LD, FA Seattle Virtue, Norma, LD, LA Missoula, Mont Voelker, Claude B, LD, Bus Spokane Vogel, Catherine, UD, LA Missoula, Mont Voelker, Claude B, LD, Bus Spokane Von Babo, Max Arthur, LD, Eng Seattle von Pressentin, Loran LD, FA Seattle Von Pressentin, Allce, LD, LA Marblemount von Pressentin, Laura LD, FA Seattle
von Pressentin, Aner, ID, IA. Martiemonte von Pressentin, Dorothea, UD, Ed. Senttle von Pressentin, Laura, LD, FA. Senttle von Pressentin, Ruth, LD, Bus Marblemount Voorhees, Melvin, Unc, LA Seattle Voorhees, Sol W. LD, Bus Yakima Voris, Florence, LD, Sci Spokane
von Programin Duth ID Dug Manual
Voorbeen Malvin Une LA Conttle
Voorbee Rol W LD Rue Vobine
Voris, Florence, LD, Sci Snokana
,, aw, worth the tribponume
•
Weege Robert K I.D Bug Silverdele

Upton, Charles M, LD, LA.....Scattle

Waage, Robert K, LD, Bus... Sliverdale Wacchter, Hazel, LD, FA... Scattle Wafer, Barbara, LD, Ed... Marysville Wagner, Lawrence J, LD, Bus... Stanwood Wahl, Leone M, Unc, LA... Scattle Wahlgren, Beatrice, LD, LA... Tacoma Wahlstrom, Nelson A, LD, Bus... Scattle Walnwright Ernest George, Spec.. Scattle Wakefield, Claude, LD, LA... Anacortes Wakefield, Claude, LD, LA... Ellensburg Walby, V Eugene, LD, Eng... Scattle Waldo, Cornelius T, LD, LA... Scattle Walde, Cornelius T, LD, LA... Scattle Walker, Chas W, LD, ME... Scattle Walker, Donald B, LD, Bus... Scattle Walker, Donald B, LD, Bus... Scattle Walker, E K, LD, Sci.. Hermosa Beach, Cal Walker, Evelyn, LD, LA... Scattle

Walker, Gile H, LD, ForTacoma Walker, James C E, LD, ForN Westminster Walker, F D Lanier, LD, LABremerton Walker, Myrell, UD, EESeattle
Walker, F D Lanier, LD, LABremerton
Walker, F D Lanier, LD, LABremerton
Walker, Myren, OD, Mis
Walker, Nina Ruth, UD, BusSeatue
Walker, One, UD, Bus
Walker Richard D LD KE Seattle
Walker, Richard R. LD. CE Seattle
Walker, Roger A, UD, EE Tacoma
Walker, Ronald P, LD, BusSeattle
Walker, William B, LD, LASeattle
Wallace, Allan R, UD, BusSeattle
Wallar Vore T.D Sei Scottle
Wallgren, Lloyd, LD, EE
Walling, Dow, LD, LABellingham
Wallin, Beulah, UD, LASeattle
**Walsh, William R, BusSeattle
Walters, Chalmer G, LD, LA Everett
Waltersdorph, Frances, LD, FASeattle
Waltz Harold D LD Sci Scottle
Wang, Fu-Chow, Unc. LA
Wang, Jen-Ling, Unc. LAChina
*Wann, Arva W, LD, BusWalla Walla
Wannamaker, Joyce K, LD, LA. Medical Lake
Waples, Mildred M, LD, SciLynden
Ward, Alfred H, LD, SciVashon
Ward George F I.D T.A Southle
Ward, Harold J. Unc. Law Seattle
Ward, Marguerite M. LD. Bus Seattle
Ward, Merrill H, LD, SciSeattle
Ward, Victor, UD, BusSauk
Warde, Lawrence A, LD, EngSeattle
Warde, Watter H. LD, MESeattle
Warde, Watter H, LD, MESeattle Ware, Janet, LD, EdKirkland Warford, Glenn O. LD. Bus Hoggian
Ware, Janet, LD, Ed
Ware, Janet, LD, Ed. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Alice M, UD, Sci. Seattle
Ware, Watter H, LD, Ed. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Alice M, UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle
Ware, Watter H, Ind. MEL Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Alice M, UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, Mary, Unc, FA. Seattle
Warte, Watter H., Inf. M.E. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May, Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, Cecil C, LD, Eng. Seattle
Warte, Watter H. ID, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M. UD, LA. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May, Unc, FA. Seattle Warren, Cecli C, LD, Edg. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H. LD, EB, Bellingham
Warte, Watter H., LD, Ed. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Alice M, UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May, Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE Bellingham Warshal, Adolph, UD, Phar Seattle
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Alice M, UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For Seattle
Warte, Watter H., Inf. M.E. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus Hoquiam Warne, Ada M. UD, LA. Seattle Warner, Marylois, LD, Ed. Seattle Warner, Marylois, LD, Ed. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For Seattle Wasem, Weldon B, LD, Bus Clarkston
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M. UD, LA. Seattle Warne, Alice M. UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May, Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EB. Bellingham Warshal, Adolph, UD, Phar Seattle Wassem, Weldon B, LD, For Seattle Wassem, Weldon B, LD, Bus Clarkston
Warue, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Alice M, UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For Seattle Wascher, Spriggs, LD, For Seattle Wascham, Fred F, Bus. Seattle Washburn, Charlotte, LD, LA, Seattle Washburn, Charlotte, LD, LA, Seattle Washburn, Charlotte, LD, LA, Seattle
Warte, Watter H. 1D, Ed. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Marylois, LD, Ed. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May, Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wasem, Weldon B, LD, Bus. Clarkston **Washam, Fred F, Bus. Seattle Washun, Charlotte, LD, LA. Seattle Washington, Lillian M, LD, FA. Seattle
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M. UD, LA. Seattle Warner, Marylois, LD, Ed. Seattle Warner, Marylois, LD, Ed. Seattle Warren, Marylois, LD, Ed. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Beilingham Warshal, Adolph, UD, Phar. Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Waschur, Charlotte, LD, LA. Seattle Washburn, Charlotte, LD, LA. Seattle Washington, Lillian M, LD, FA. Seattle Washington, Lillian M, LD, FA. Seattle Washande, Yuklo, Unc. Bus. Seattle
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M. UD, LA. Seattle Warne, Alice M. UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May, Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar. Seattle Wasem, Weldon B, LD, For. Seattle Wasem, Weldon B, LD, Bus. Clarkston **Washam, Fred F, Bus. Seattle Washington, Lillian M, LD, FA. Seattle Watkins, George F, LD, Ed. Alderton Watkins, George F, LD, Ed. Alderton
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Alice M, UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May, Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Wascham, Fred F, Bus. Seattle Washburn, Charlotte, LD, LA. Seattle Washington, Lillian M, LD, FA. Seattle Wasson, Alfred L, LD, Bus. Seattle Watkins, George F, LD, Ed. Alderton Watkins, Inez, UD, Bus. Hoquiam Watkins, Inez, UD, Bus. Hoquiam
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M. UD, LA. Seattle Warne, Alice M. UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, Marylois, LD, Ed. Seattle Warren, Cecli C, LD, Eng. Seattle Warren, John B, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Wasem, Weldon B, LD, Bus Clarkston **Washam, Fred F, Bus. Seattle Washun, Charlotte, LD, LA. Seattle Washun, Charlotte, LD, LA. Seattle Washington, Lillian M, LD, FA. Seattle Watanabe, Yuklo, Unc, Bus Seattle Watanabe, Yuklo, Unc, Bus Seattle Watkins, George F, LD, Ed. Alderton Watkins, Inez, UD, Bus. Hoquiam Watkins, Lois A, LD, FA. Buffalo, Wyo
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M. UD, LA. Seattle Warne, Alice M. UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May, Unc, FA. Seattle Warren, Cecli C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar. Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, Ed. Seattle Wascham, Fred F, Bus. Seattle Washam, Fred F, Bus. Seattle Washington, Lillian M, LD, FA. Seattle Watanabe, Yuklo, Unc, Bus. Seattle Wattins, George F, LD, Ed. Alderton Watkins, Inez, UD, Bus. Hoquiam Watkins, Lois A, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, ME. Seattle
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Ada M, UD, LA. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Wascham, Fred F, Bus. Seattle Washburn, Charlotte, LD, LA. Seattle Washburn, Charlotte, LD, LA. Seattle Washburn, Charlotte, LD, LA. Seattle Washon, Alfred L, LD, Bus. Seattle Watkins, George F, LD, Ed. Alderton Watkins, Lois A, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, FA. Beattle Watson, Dorothy T, LD, LA. Seattle Watson, Dorothy T, LD, Rus Watson Lower LD, Rus Watson LD, Rus
Warte, Watter H. 1D, Ed. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Alice M, UD, Scl. Seattle Warner, Marylois, LD, Ed. Seattle Warner, Marylois, LD, Ed. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Waschun, Charlotte, LD, LA Seattle Washington, Lillian M, LD, FA Seattle Washon, Alfred L, LD, Bus Seattle Wasson, Alfred L, LD, Bus Seattle Watson, Alfred L, LD, Bus Seattle Wattlins, George F, LD, Ed. Alderton Watkins, Inez, UD, Bus Hoquiam Watkins, Lois A, LD, FA Buffalo, Wyo Watne, Edwin M, LD, FA Seattle Watson, Dorothy T, LD, LA Seattle Watson, Gwen Allen, LD, Bus Weiser, Ida Watson, Harold H, UD, EE Seattle
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M. UD, LA. Seattle Warne, Alice M. UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, Marylois, LD, Ed. Seattle Warren, Cecli C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, Bus. Clarkston Washburn, Charlotte, LD, LA. Seattle Washburn, Charlotte, LD, LA. Seattle Washington, Lillian M, LD, FA. Seattle Watanabe, Yukio, Unc, Bus. Seattle Watanabe, Yukio, Unc, Bus. Seattle Watanabe, Yukio, Unc, Bus. Seattle Watkins, Inez, UD, Bus. Hoquiam Watkins, Inez, UD, Bus. Hoquiam Watkins, Iois A, LD, FA. Buffalo, Wyo Wathe, Edwin M, LD, MF. Seattle Watson, Dorothy T, LD, LA. Seattle Watson, Gwen Allen, LD, Bus. Weiser, Ida Watson, Harold H, UD, EE. Seattle Watson, John F, Unc, EE. Seattle Watson, John F, Unc, EE. Seattle
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M. UD, LA. Seattle Warne, Ada M. UD, LA. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Wascham, Fred F, Bus. Seattle Washburn, Charlotte, LD, LA. Seattle Washington, Lillian M, LD, FA. Seattle Wasson, Alfred L, LD, Bus. Seattle Watkins, George F, LD, Ed. Alderton Watkins, George F, LD, Ed. Alderton Watkins, Inez, UD, Bus. Hoquiam Watkins, Iolis A, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, Bus. Seattle Watson, Dorothy T, LD, LA. Seattle Watson, Gwen Allen, LD, Bus. Weiser, Ida Watson, Harold H, UD, EE. Seattle Watson, Mrs. Mary, Nur. Seattle Watson, Mrs. Mary, Nur. Seattle
Warte, Watter H. D. ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Marylois, LD, Ed. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For Seattle Wascher, Spriggs, LD, For Seattle Wascham, Fred F, Bus. Clarkston **Washam, Fred F, Bus. Clarkston **Washam, Fred F, Bus. Seattle Washington, Lillian M, LD, FA. Seattle Washington, Lillian M, LD, FA. Seattle Washanbe, Yuklo, Unc, Bus. Seattle Wattanabe, Yuklo, Unc, Bus. Seattle Wattanabe, Yuklo, Unc, Bus. Hoquiam Watkins, Inez, UD, Bus. Hoquiam Watkins, Lois A, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, ME. Seattle Watson, Dorothy T, LD, LA. Seattle Watson, Gwen Allen, LD, Bus. Weiser, Ida Watson, Harold H, UD, EE. Seattle Watson, John F, Unc, EE. Seattle Watson, Mrs. Mary, Nur. Seattle Watson, Keller, LD, Bus. Seattle Watson, Mrs. Mary, Nur. Seattle Watter, Elsle, LD, Bus. Seattle
Warte, Watter H., Id., ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M., UD, LA. Seattle Warne, Alice M., UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, Marylois, LD, Ed. Seattle Warren, John E, LD, Emg. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Waschun, Charlotte, LD, LA. Seattle Washun, Charlotte, LD, LA. Seattle Washun, Charlotte, LD, LA. Seattle Washun, Gard, UD, Bus. Seattle Watson, Alfred L, LD, Bus. Seattle Watson, George F, LD, Ed. Alderton Watkins, Inez. UD, Bus. Hoquiam Watkins, Lois A, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, ME. Seattle Watson, Dorothy T, LD, LA. Seattle Watson, Gwen Allen, LD, Bus. Weiser, Ida Watson, Harold H, UD, EE. Seattle Watson, Mrs. Mary, Nur. Seattle Watt, J Graham, UD, ME. Seattle Watt. Edward Course & Marcham LD, Men. Seattle Watt. Edward Course
Warue, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Alce M, UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Wascham, Weldon B, LD, Bus. Clarkston **Washam, Fred F, Bus. Seattle Washington, Lillian M, LD, FA. Seattle Wasson, Alfred L, LD, Bus. Seattle Wasson, Alfred L, LD, Bus. Seattle Watkins, George F, LD, Ed. Alderton Watkins, Inez, UD, Bus. Hoquiam Watkins, Gwen Allen, LD, D, Bus Seattle Watson, John F, Unc, EE. Seattle Watson, Mrs. Mary, Nur. Seattle Watt, Elsie, LD, Bus. Seattle Watt, George S, Unc, Bus. Seattle Watt, Harold B, UD, Bus. Seattle
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M. UD, La. Seattle Warne, Ada M. UD, La. Seattle Warner, Marylois, LD, Ed. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Waschen, Fred F, Bus. Seattle Wascham, Fred F, Bus. Seattle Washburn, Charlotte, LD, LA. Seattle Washburn, Charlotte, LD, LA. Seattle Washburn, Lillian M, LD, FA. Seattle Wasson, Alfred L, LD, Bus. Seattle Watkins, George F, LD, Ed. Alderton Watkins, Lois A, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, ME. Seattle Watson, Dorothy T, LD, LA. Seattle Watson, Gwen Allen, LD, Bus. Seattle Watson, Harold H, UD, EE. Seattle Watson, Mrs. Mary, Nur. Seattle Watt, J Graham, UD, ME. Seattle Watt, Harold B, UD, Bus. Seattle Watt, Harold B, UD, Bus. Cantroliu Weatwath, James W, Phar Cantrolius
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Alice M, UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Waschm, Fred F, Bus. Clarkston **Washam, Fred F, Bus. Seattle Washum, Charlotte, LD, LA. Seattle Washum, Charlotte, LD, LA. Seattle Washum, Charlotte, LD, Bus. Seattle Wasson, Alfred L, LD, Bus. Seattle Wasson, Alfred L, LD, Bus. Seattle Watkins, George F, LD, Ed. Alderton Watkins, Inez, UD, Bus. Hoquiam Watkins, Inez, UD, Bus. Hoquiam Watkins, Lois A, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, ME. Seattle Watson, Dorothy T, LD, LA. Seattle Watson, Gwen Allen, LD, Bus. Weiser, Ida Watson, Harold H, UD, EE. Seattle Watson, Mrs. Mary, Nur. Seattle Watt, J Graham, UD, ME. Seattle Watt, J Graham, UD, MB. Seattle Watt, J Graham, UD, MB. Seattle Watt, J Graham, UD, Bus. Yakims **Watters, Wayde H, Bus. Seattle **Watters, W
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M. UD, LA. Seattle Warne, Alice M. UD, Scl. Seattle Warner, Marylois, LD, Ed. Seattle Warner, Marylois, LD, Ed. Seattle Warren, Cecli C, LD, Eng. Seattle Warren, Cecli C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, Bus. Clarkstom **Washam, Fred F, Bus. Seattle Washmup, Charlotte, LD, LA. Seattle Washington, Lillian M, LD, FA. Seattle Washington, Lillian M, LD, FA. Seattle Watsande, Yukio, Unc, Bus. Seattle Watkins, George F, LD, Ed. Alderton Watkins, Inez, UD, Bus. Hoquiam Watkins, Inez, UD, Bus. Hoquiam Watkins, Iols A, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, ME. Seattle Watson, Gwen Allen, LD, Bus. Weiser, Ida Watson, Harold H, UD, EE. Seattle Watson, Mrs. Mary, Nur. Seattle Watt, J Graham, UD, ME. Seattle Watt, J Graham, UD, ME. Seattle Watt, J Graham, UD, ME. Seattle Watt, Harold B, UD, Bus. Yakims **Watters, Wayde H, Bus. Seattle Watters, Archie, LD, LA. Billings, Mont
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Alice M, UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Wascham, Fred F, Bus. Seattle Wascham, Fred F, Bus. Seattle Washburn, Charlotte, LD, LA. Seattle Washburn, Charlotte, LD, LA. Seattle Washington, Lillian M, LD, FA. Seattle Wasson, Alfred L, LD, Bus. Seattle Watkins, George F, LD, Ed. Alderton Watkins, Ioez, UD, Bus. Hoquiam Watkins, Lois A, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, Bus. Head Watson, Dorothy T, LD, LA. Seattle Watson, Gwen Allen, LD, Bus. Weiser, Ida Watson, John F, Unc, BE. Seattle Watson, Mrs. Mary, Nur. Seattle Watt, Elsie, LD, Bus. Seattle Watt, Elsie, LD, Bus. Seattle Watt, George S, Unc, Bus. Seattle Watt, George S, Unc, Bus. Seattle Watt, James W, Phar Centralia **Watt, James W, Phar Centralias **Watt, James W, Phar Centralias **Watt, James W, Phar Centralias **Watt, Sart W, Sp, For Seattle **Watt, Sart W, Sp, For Seattle
Warte, Watter H. ID, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Alice M, UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May, Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Wascham, Fred F, Bus. Clarkston **Washam, Fred F, Bus. Clarkston **Washam, Fred F, Bus. Seattle Washburn, Charlotte, LD, LA. Seattle Washington, Lillian M, LD, FA. Seattle Washington, Lillian M, LD, FA. Seattle Wastnabe, Yuklo, Unc, Bus. Seattle Wattnabe, Yuklo, Unc, Bus. Seattle Wattnis, George F, LD, Ed. Alderton Watkins, Inez, UD, Bus. Hoquiam Watkins, Lois A, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, ME. Seattle Watson, Dorothy T, LD, LA. Seattle Watson, Gwen Allen, LD, Bus. Weiser, Ida Watson, John F, Unc, EE. Seattle Watson, John F, Unc, EE. Seattle Watt, George S, Unc, Bus. Seattle Watt, Elsie, LD, Bus. Seattle Watt, Elsie, LD, Bus. Seattle Watt, James W, Phar. Centralia **Watters, Wayde H, Bus. Seattle Watts, Archie, LD, LA. Billings, Mont Watts, Archie, LD, LA. Billings, Mont Watts, Archie, LD, LA. Buffalo, Seattle Watters, Varyde H, Bus. Seattle
Warte, Watter H. D. ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M. UD, LA. Seattle Warne, Alice M. UD, Scl. Seattle Warner, Marylois, LD, Ed. Seattle Warner, Marylois, LD, Ed. Seattle Warren, John E, LD, Emg. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Waschun, Charlotte, LD, LA. Seattle Washun, Charlotte, LD, LA. Seattle Washun, Charlotte, LD, LA. Seattle Washun, Charlotte, LD, Bus. Seattle Wasson, Alfred L, LD, Bus. Seattle Watson, Alfred L, LD, Bus. Seattle Wattins, George F, LD, Ed. Alderton Watkins, Inez, UD, Bus. Hoquiam Watkins, Inez, UD, Bus. Hoquiam Watkins, Iols A, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, ME. Seattle Watson, Dorothy T, LD, LA. Seattle Watson, Gwen Allen, LD, Bus. Weiser, Ida Watson, Harold H, UD, EE. Seattle Watson, John F, Unc, EE. Seattle Watt, George S, Unc, Bus. Seattle Watt, George S, Unc, Bus. Seattle Watt, George S, Unc, Bus. Seattle Watt, James W, Phar Centralia Sewatters, Wayde H, Bus. Seattle Watts, Archie, LD, LA. Billings, Mont Watts, Carl W, Sp, For. Seattle Wayland, Elisabeth, Unc, FA. Seattle Wayland, Elisabeth, Unc, FA. Seattle Wange, Mary Della UD, Lib. Seattle Wenge, Mary Della UD, Lib. Seattle Wen
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Ada M, UD, LA. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Wascham, Fred F, Bus. Seattle Washburn, Charlotte, LD, LA. Seattle Washburn, Charlotte, LD, LA. Seattle Washington, Lillian M, LD, FA Seattle Wasson, Alfred L, LD, Bus. Seattle Watkins, George F, LD, Ed. Alderton Watkins, Inez, UD, Bus. Hoquiam Watkins, Iolis A, LD, FA Buffalo, Wyo Watne, Edwin M, LD, FA Buffalo, Wyo Watne, Edwin M, LD, Bus. Seattle Watson, Dorothy T, LD, LA Seattle Watson, Gwen Allen, LD, Bus. Weiser, Ida Watson, John F, Unc, EE. Seattle Watt, Elsie, LD, Bus. Seattle Watt, Elsie, LD, Bus. Seattle Watt, Harold B, UD, Bus. Seattle Watt, Harold B, UD, Bus. Seattle Watt, Carl W, Sp, For. Seattle Watts, Carl W, Sp, For. Seattle Wange, Avery D, UD, Lib Seattle Weage, Mary DeElla, UD, Lib Seattle Weage, Mary DeElla, UD, Lib Seattle Weage, Mary DeElla, UD, Lib Seattle
Warte, Watter H. 1D, Ed. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Alice M, UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, Marylois, LD, Ed. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Waschen, Spriggs, LD, For. Seattle Wascham, Fred F, Bus. Clarkston **Washam, Fred F, Bus. Seattle Washington, Lillian M, LD, FA. Seattle Washington, Lillian M, LD, FA. Seattle Watkins, George F, LD, Ed. Alderton Watkins, Lois A, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, ME. Seattle Watson, Dorothy T, LD, LA. Seattle Watson, Dorothy T, LD, LA. Seattle Watson, John F, Unc, EE. Seattle Watson, John F, Unc, EE. Seattle Watson, Mrs. Mary, Nur. Seattle Watt, J Graham, UD, ME. Seattle Watt, George S, Unc, Bus. Seattle Watt, Harold B, UD, Bus. Yakims **Watt, James W, Phar. Centralia **Watt, James W, Phar. Centralia **Watters, Wayde H, Bus. Seattle Watts, Archie, LD, LA. Billings, Mont Watts, Arvery D, UD, Lib. Seattle Weage, Mary DeElla, UD, Ed. Seattle Weage, Mary DeElla, UD, Sci.
Warte, Watter H. 1D, ME. Seattle Ware, Janet, LD, Ed. Kirkland Warford, Glenn O, LD, Bus. Hoquiam Warne, Ada M, UD, LA. Seattle Warne, Alice M, UD, Sci. Seattle Warner, Marylois, LD, Ed. Seattle Warner, May Unc, FA. Seattle Warren, Cecil C, LD, Eng. Seattle Warren, John E, LD, Min. Bremerton Warrick, Herbert H, LD, EE. Bellingham Warshal, Adolph, UD, Phar Seattle Wascher, Spriggs, LD, For. Seattle Wascher, Spriggs, LD, For. Seattle Waschen, Spriggs, LD, For. Seattle Waschun, Charlotte, LD, LA. Seattle Washum, Charlotte, LD, LA. Seattle Washum, Charlotte, LD, LA. Seattle Washum, Charlotte, LD, LA. Seattle Wasson, Alfred L, LD, Bus. Seattle Wasson, Alfred L, LD, Bus. Seattle Watson, George F, LD, Ed. Alderton Watkins, Inez, UD, Bus. Hoquiam Watkins, Inez, UD, Bus. Hoquiam Watkins, Lois A, LD, FA. Buffalo, Wyo Watne, Edwin M, LD, ME. Seattle Watson, Dorothy T, LD, LA. Seattle Watson, Dorothy T, LD, LA. Seattle Watson, Gwen Allen, LD, Bus. Weiser, Ida Watson, Harold H, UD, EE. Seattle Watson, Mrs. Mary, Nur. Seattle Watson, John F, Unc, EE. Seattle Watt, J Graham, UD, ME. Seattle Watt, J Graham, UD, ME. Seattle Watt, James W, Phar Centralia "watters, Wayde H, Bus. Seattle Watt, Archie, LD, LA. Billings, Mont Watts, Carl W, Sp, For. Seattle Wayland, Elisabeth, Unc, FA. Seattle Weage, Avery D, UD, Lib. Seattle Weage, Mary DeElla, UD, Lib. Seattle Weage, Ruth W, LD, Ed. Seattle Weatherly, Clayton, LD, Ed. Seattle Weatherly, Clayton, LD, Sci.
Walker, Myrell, UD, EE. Seattle Walker, Nina Ruth, UD, Bus Seattle Walker, Ona, UD, Bus Seattle Walker, Raymond, LD, ME Seattle Walker, Richard D, LD, EE Seattle Walker, Richard D, LD, EE Seattle Walker, Richard R, LD, CE Seattle Walker, Ronger A, UD, EE Tacoma Walker, Ronald P, LD, Bus Seattle Walker, William B, LD, LA Seattle Wallace, Lora M, LD, LA Spokane Waller, Vera, LD, Sci Seattle Wallace, Lora M, LD, LA Spokane Waller, Vera, LD, Sci Seattle Wallace, Lora M, LD, LA Spokane Waller, Vera, LD, Sci Seattle Walling, Dow, LD, LA Seattle Walling, Dow, LD, LA Seattle Walters, Chalmer G, LD, FA Seattle Walter, Harold D, LD, Sci Seattle Waltz, Harold D, LD, Sci Seattle Wang, Fu-Chow, Unc, LA China Wang, Jen-Ling, Unc, LA China Wann, Arva W, LD, Bus Walla Walla Wannamaker, Joyce K, LD, LA Medical Lake Waples, Mildred M, LD, Sci Lynden Ward, Al?red H, LD, Sci Vashon *Ward, Ceil Miner, UD, ME Seattle Ward, Merrill H, LD, Sci Seattle Ward, Merrill H, LD, Sci Seattle Ward, Merrill H, LD, Sci Seattle Ward, Warter H, LD, Bus Seattle Ward, Warter H, LD, Bus Seattle Warde, Walter H, LD, Ed Seattle Warne, Alae M, UD, LA Seattle Warne, Alae M, UD, LA Seattle Warner, Marylois, LD, Ed Seattle Warter, Wayde H, Bus Seattle Watter, James W, Phar Celling, Montel Watter, LD, LA Seattle W

Weeks, Mary Louise, UD, FASeattle	**7
Weeks, Patricia, Unc BusSeattle	Wii
Weeks, Patricia, Unc Bus. Seattle Wegner, Johanna, LD, Bus. Seattle Weigel, Chas M, LD, Bus. Yakima Weikel, Elizabeth C, UD, LA. Yakima **Weingarten, Harry, Bus. Seattle Weinstein, Garry H, LD, Bus. Portland, Or Weinstein, Sylvia, Unc, LA. Portland, Or Weir, Gladys, UD, LA. Bellingham Weir, John M, LD, EEE. Tacoma Weiser, John H, LD, ChE. Bellingham Weiser, John H, LD, ChE. Bellingham Weissenborn, Howard, UD, Bus. Seattle Weissenborn, Howard, UD, Bus. Seattle Weissenborn, Howard, UD, Bus. Seattle Weils, Dorothy B, LD. LA. Mt Vernon Weish, Gertrude K, UD, LA. Aberdeen Weish, Gertrude K, UD, LA. Aberdeen Weish, William J, LD, EEE. Tacoma Weits, Edith B, LD. LA. Mt Vernon Weits, Edith B, LD. LA. Mt Vernon Weits, Richard, UD, IAA. Mt Vernon Werba, Peter C, Unc. Phar. Seattle Werner, Oscar B, UD. Bus. Litchfield Minn West, Aneita, LD, Ed. Seattle West, Gerl B, UD, Sci. Seattle West, Constance M, UD, Sci. Seattle West, Earle D, Grad. Seattle	**7
Weigel, Chas M. LD. Bus Yakima	***
Weikel, Elizabeth C, UD, LAYakima	Wie
**Weingarten, Harry, BusSeattle	Wie
Weinstein, Harry H. LD, Bus. Portland, Or	Wie
Weir Glades IID LA Rellinghor	Wie
Weir, John M. LD. EE	Wie
Weiser, John H, LD, ChEBellingham	Wie
Weiss, Mildred, Unc, FASeattle	Wie
Weld Alice C I.D I.A Polling Boy	Wil
Wells, Dorothy B. LD. LAMt Vernon	Wil
Welsh, Gertrude K. UD. LAAberdeen	Wil
Welsh, Helen E, LD. LibRaymond	***
Welsh, Rachael A,LD.Phar N Westminster BC	Wil
Weish, William J, LD, Es Tecoma	Wil Wil
Welts, Richard, UD, LAMt Vernon	Wil
Werba, Peter C, Unc. PharSeattle	Wil
Werby, Helena J, GradSeattle	Wil
Werner, Oscar B, UD. Bus. Litchfield Minn	Wil Wil
West, Alleita, LD, EdSeattle	Wil
West, Cecil R. UD. SciSeattle	Wil
West, Constance M, UD. SciSeattle	Wil
West, Rarle D, Grad. Seattle West, Gertrude Seattle	Wil
West, Gertrude	Wil
West, marie. Unc. FA	Will
Westerberg, Iwar S. Grad. EdTacoma	Will
Westerman, Claire W, Unc. Bus Seattle	Wil
Westland, Alfred J, LD. LA Everett	Wil
Westlund, Elmer B, LD. BusBellingham	Will
Westrom Fred N. The Rus Everett	Will
Wetherby, Aurabelle, LD, LATacoma	***
Wetherby, Harold J, LD. LATacoma	Will
Weymouth, Allen, LD. MinSeattle	WIII
Weythman, Ruth, UD. SciMonitor	Will
Wheaton, Alma Jane, UD, BusSo Bend	Will
Wheaton, Willard J, LD. LA Lewistown Mont	**W
Wheeler, Brice, Unc. BusColfax	Will
Wheeler, Beulah O, LD, BusSeattle	WIII
**Wheeler Marchall E Rus Seattle	**W
Wheeler, Robert F. LD. LAMontesano	WIII
**Wheelock, Ernest E, LawSeattle	WIII
Wheelon, Burton J, 1st LawSeattle	Will
Whipple, Chas. R. LD. For	Will
White Dorothy I ID Sol Seettle	Wile
White, Dykeman, LD, Bus Seattle	Wile
White, Elmer J. UD. MESeattle	Wils
White, Ernest C, Unc, Eng Mt Vernon	Wils
White, Eva May, LD. LA Seattle	Wils Wils
White, Frances C. IID. LA Seattle	Wils
White, Helen G. LD. LASeattle	Wils
White, Helen KSeattle	Wils
White, M. Lois, LD. FaYakima	Wils
White Legier Archibaid, LD, Sci Seattle	Wils Wils
White, Lydia A. LD. LASeattle	Wils
White, Marie, LD. LASeattle	Wils
White, Marjorle, GradSeattle	Wils
**White Ross S I.D Rus Seattle	Wils Wils
Whitelaw. Hugh. UD. Bus	Wils
Whiteley, Ernest D, LD. PharSeattle	Wils
Whitesides, Norma R, LD. FA Seattle	Wils
Whitham, Mildred V, LD. LAOlympia	Wils
Whitmore Ernest R. I.D. Rue Rushley	Wils Wils
Whitner, A George, LD. Bus Seattle	Wils
West, Cecil R, UD. Sci	Wils
Whittier, Lyman K, LD. BusSeattle	Win

**Whittle, William B, Bus. **Wick, Guy M, LD, Bus	
Wilder E, LD, LA	.Seattle
**Wish Cow M T.T. Dog A	. Seattle
**Wick, Sanford A. UD. BusA	rimgwa
Wicker, Gertrude B, LD. Sci. Sedro-	Woolley
Widrig, Thomas M. LD. EX.	Seattle.
Wieden, Hazel H, UD. Bus	.Seattle
Wieder, Irving I, LD. SciPortl	and, Or
Wienir, Israel T, LD. LA.	. Seattle
Wilcon Con Marcus, UD, LA	.Seattle
Wilcox, Milo Fay, UD. Bus	Seattle
Wilder, Hoyt G, LAGranic	te Falls
**Wildt. Edward. Eng.	.Biaine
Wiley, Alexander C, 2d Law Kalispe	ll Mont
Wiley, Lois, UD. FA	Seattle. Seattle
Wilkes, Maxine, UD. Sci	Seattle
Wilkins, Emilton L, LD. Bus	Seattle
Willard, Dorothy E. UO, LA	wooney Seattle
Willard, Dudley W, Grad	Kent
Williams, Berwyn R. LD. Bus	Chinook
Williams, Caroline, LD. LACo	entralia
Williams, David J, Unc. Law Williams, Edward W. LD. Rus	Tyler Sonttle
Williams, Evelyn, LD. LA	Seattle
Williams, Frances E, LD. FA	Yakima Saattla
Williams, Harold L. LD. Sci	Seattle
Williams, Helen C, LD. LA	Seattle
Williams, James J. LD. EE	Seattle
Williams, Jessie Evelyn, LD, Ed	Seattle
Williams, Kenneth G, Bus	pokane
Williams, Mrs. Mary Louise	Seattle
Williams, Ronald C, LD. Bus	prague
" I I I I I I I I I I I I I I I I I I I	
Williams, Thomas A, 1st Law	Seattle
Williams, Thomas A, 1st Law **Williams, Wm C, Unc, Law Williams, Williams O, Unc, Law	Seattle Seattle
Williams, Thomas A, 1st Law **Williams, Wm C, Unc, Law Williams, William O, UD, Bus Williamson, Estey J, LD. Bus	Seattle Seattle Seattle Seattle
williams, Thomas A, 1st Law **Williams, Wm C, Unc, Law Williams, William O, UD, Bus Williamson, Estey J, LD. Bus Williamson, Reba, LD, Sci Greybull,	Seattle Seattle Seattle Stella Wyo.
Williams, Thomas A, 1st Law **Williams, Wm C, Unc, Law Williams, William O, UD, Bus Williamson, Estey J, LD. Bus Williamson, Reba, LD. Sci -Greybull. *Williamson, Rupert W, LawFil Willoughby, Alice Beryl, Unc. Sci. 88	Seattle Seattle Seattle .Stella Wyo. er, Ida
Williams, Thomas A, 1st Law **Williams, Wm O, Unc, Law Williams, William O, UD, Bus Williamson, Rebay J, LD. Bus *Williamson, Reba, LD. Sci Greybull. **Williamson, Rupert W, LawFil Willoughby, Alice Beryl, Unc. SciS Willoughby, Elizabeth, LD, SciGr.	Seattle Seattle Seattle Seattle Stella Wyo. er, Ida pokane ndview
williams, Thomas A, 1st Law **Williams, Wm O, Unc, Law williams, William O, UD, Bus williamson, Estey J, LD. Bus williamson, Reba, LD. Sci-Greybull. **Williamson, Rupert W, LawFii williamson, Rupert W, LawFii williamson, Ripateth, LD, SciGraylilis, Carola, Unc. LA willis, Garola, Unc. LA Willis, Henry V, LD, Phar Friday.	Seattle Seattle Seattle Stella Stella Powane Powane Powane S, Wis
williams, Thomas A, 1st Law **Williams, Wm O, Unc, Law williams, William O, UD, Bus williamson, Estey J, LiD. Bus williamson, Reba. LiD. Sci-Greybull. **Williamson, Rupert W, Lawfil willoughby, Alice Beryl, Unc. Sci S willoughby, Elizabeth, LiD, SciGrawills, Carola, Unc. La wills, Carola, Unc. La wills, Henry V, LiD. Phar Friday wilms, Robert G, LiD, Bus	Seattle Seattle Seattle Stella Wyo. er, Ida pokane ndview s, Wis Harbor Seattle
williams, Thomas A, 1st Law **Williams, Wm O, Unc, Law williams, William O, UD, Bus williamson, Estey J, LD. Bus williamson, Reba. LD. Sci-Greybull. **Williamson, Rupert W, Law ##Williamson, Rupert W, Law ##Williamson, Rupert W, Law ##Williamson, Rupert W, Law ##Williamson, Alice Beryl, Unc. Sci Sci S willoughby, Alice Beryl, Unc. Sci Sci S willoughby, Elizabeth, LD, Sci Graw Willson, Alice Bus ##Williams, Alice LD, Bus	Seattle Seattle Seattle Stella Wyo. er, Ida pokane ndview S, Wis Harbor Seattle
williams, Thomas A, 1st Law **Williams, Wm O, Unc, Law williams, William O, UD, Bus williamson, Estey J, LiD. Bus williamson, Reba, LiD. Sci. Greybull. **Williamson, Rupert W, Law Fil willoughby, Alice Beryl, Unc. Sci. S willoughby, Elizabeth, LiD, Sci. Grawills, Carola, Unc. LA wills, Carola, Unc. LA wills, Henry V, LD. Phar Friday wilms, Robert G, LiD, Bus wilson, Abe, LD. Bus wilson, Albert W, LD. LA wilson, Burdette G, LD. Bus Newb	Seattle Seattle Seattle Stella Wyo. er, Ida pokane ndview s, Wis Harbor Seattle Everett Seattle erg, Or
williams, Thomas A, 1st Law **Williams, Wm O, Unc, Law williams, William O, UD, Bus williamson, Estey J, LD. Bus williamson, Reba, LD. Sci-Greybull. **Williamson, Rupert W, Law ##Williamson, Rupert W, Law ##Williamson, Rupert W, Law ##Williamson, Rupert W, Law ##Williamson, Rupert W, LD. Sci. Graylills, Carola, Unc. LA Wills, Carola, Unc. LA Wills, Henry V, LD. Phar ##Williams, Robert G, LD, Bus ##Williams, Albert W, LD. LA Wilson, Albert W, LD. LA Wilson, Burdette G, LD. Bus ##Wilson, George D, UD. For ##Wilson, Cerry D, UD. For ##Wilson, Albert W, LD. LA ##Wilson, George D, UD. For ##Wilson, Albert W, LD. LA ##Wilson, Everyth W, LD. Ph ###Wilson, Albert W, LD. LA ###Wilson, Everyth W, LD. Ph ################################	Seattle Seattle Seattle Stella Wyo. er, Ida pokane ndview 5, Wis Harbor Seattle Everett Seattle erg, Or berdeen
Williams, Thomas A, 1st Law **Williams, Wm O, Unc, Law Williams, William O, UD, Bus Williamson, Estey J, LiD. Bus Williamson, Reba, LiD. Sci-Greybull, **Williamson, Rupert W, Law #i Willoughby, Alice Beryl, Unc. Sci Willoughby, Elizabeth, LiD, Sci Willoughby, Elizabeth, LiD, Sci Wills, Carola, Unc. LA Wills, Henry V, LD. Phar Friday Wilson, Robert G, LiD. Bus Wilson, Abe, LiD. Bus Wilson, Albert W, LiD. LA Wilson, George D, UD. For At Wilson Edwin W, LiD. EEP O Wilson, Elizabeth, Unc. LA	Seattle Seattle Seattle Stella Wyo. er, Ida pokane ndview S. Wis Everett Seattle Everett Seattle erg, Or erdeen lympia Seattle
Williams, Thomas A, 1st Law **Williams, Wm C, Unc, Law Williams, William O, UD, Bus Williamson, Reba, LD, Sci Greybull, *Williamson, Repa, LD, Sci Greybull, *Williamson, Rupert W, Law Fil Willoughby, Alice Beryl, Unc. Sci. Sc. Willoughby, Elizabeth, LD, Sci. Gra Wills, Carola, Unc. LA Will Wills, Henry V, LD. Phar Friday Wills, Robert G, LD, Bus Wilson, Abe, LD, Bus Wilson, Albert W, LD, LA Wilson, Burdette G, LD, Bus Newb Wilson, Borge D, UD, For At Wilson Edwin W, LD, EB O Wilson, Emily T, LD, FA Z. Wilson, Emily T, LD, FA	Seattle Seattle Seattle Stella Wyo. er, Ida pokane ndview S, Wis Harbor Seattle Everett Seattle erg, Or berdeen lympia Seattle Cacoma
Williams, Thomas A, 1st Law **Williams, Wm O, Unc, Law Williams, William O, UD, Bus Williamson, Estey J, LD. Bus Williamson, Reba, LD. Sci Greybull. **Williamson, Rupert W, Law Fil. Willoughby, Alice Beryl, Unc. Sci. S. Willoughby, Elizabeth, LD, Sci. Gra Wills, Carola, Unc. LA Wills, Garola, Unc. LA Wills, Garola, Unc. LA Willson, Abert G, LD, Bus Wilson, Abe, LD. Bus Wilson, Albert W, LD. LA Wilson, Burdette G, LD. Bus Newb Wilson, Emissbeth, Unc. LA Wilson, Elizabeth, Unc. LA Wilson, Emils T, LD. FA Wilson, Emma J, UD, LA Wilson, Emma J, UD, LA Wilson, Emma J, UD, LA Bell Wilson, Emma J, UD, LA Bell Wilson, Enge A. UD, Ed Bell	Seattle Seattle Seattle Seattle Stella Wyo. er, Ida pokane ndview Seattle Everatt Seattle erg, Or erdeen elympia Seattle Facoma Seattle lagham
Williams, Thomas A, 1st Law. **Williams, Wm O, Unc, Law. Williams, William O, UD, Bus. Williamson, Estey J, LD. Bus. Williamson, Reba, LD. Sci Greybull. **Williamson, Rupert W, Law. Fil. Willoughby, Alice Beryl, Unc. Sci. Sc. Willoughby, Elizabeth, LD, Sci. Grawills, Carola, Unc. LA. Williamson, Carola, Unc. LA. Williams, Robert G, LD, Bus. Wilson, Abert G, LD, Bus. Wilson, Ablert W, LD. LA. Newb. Wilson, Burdette G, LD. Bus. Newb. Wilson, Burdette G, LD. Bus. Newb. Wilson, Edwin W, LD, EE Wilson, Edwin W, LD, EE Wilson, Emma J, UD, LA. Wilson, Emma J, UD, LA. Wilson, Emma J, UD, LA. Wilson, Faye A, UD, Ed. Bell Wilson, Faye A, UD, Ed. Bell Wilson, Florence B, Grad.	Seattle Seattle Seattle Seattle Stella Wyo. er, Ida pokane ndview Seattle Everatt Seattle erg, Or erdeen elympia Seattle Facoma Seattle lagham Seattle lagham Seattle
Williams, Thomas A, 1st Law **Williams, Wm O, Unc, Law Williams, William O, UD, Bus Williamson, Estey J, LD. Bus Williamson, Reba, LD. Sci Greybull. **Williamson, Rupert W, LawFil Willoughby, Alice Beryl, Unc. Sci Sci. Sci. Sci. Sci. Sci. Sci. S	Seattle Seattle Seattle Seattle Seattle Stella Wyo. er, Ida Pokane Indview S. Wiss Harbor Seattle Everett Seattle Eracoma Seattle Iracoma Seattle Irgham Seattle
Williams, Thomas A, 1st Law. **Williams, Wm O, Unc, Law. Williams, William O, UD, Bus. Williamson, Estey J, LD. Bus. Williamson, Reba, LD. Sci Greybull. **Williamson, Rupert W, Law. Fil Willoughby, Alice Beryl, Unc. Sci. Sci. Sci. Sci. Sci. Sci. Sci. Sc	Seattle Seattle Seattle Seattle Stella Wyo. er, Ida pokane ndview s, Wis Harbor Seattle Everett Seattle Fracoma Seattle Ingham Seattle Seattle Seattle Seattle Seattle
Williams, Thomas A, 1st Law. **Williams, Wm O, Unc, Law. Williams, William O, UD, Bus. Williamson, Estey J, LD. Bus. Williamson, Reba, LD. Sci -Greybull. **Williamson, Rupert W, Law. Fil. Williamson, Garola, Unc. LA. Williams, Robert G, LD, Bus. Williams, Robert G, LD, Bus. Mewb. Wilson, Abe, LD. Bus. Newb. Wilson, Burdette G, LD. Bus. Newb. Wilson, George D, UD. For. Al. Wilson, Emma J, UD, LA. Wilson, Emma J, UD, LA. Wilson, Emma J, UD, LA. Bell Wilson, Grace, LD. LA. Wilson, Grace, LD. LA. Wilson, Howard W, LD, Che. Portle Wilson, True, LD, Ed. Wilson, Thugh, LD, For. Wilson, True, LD, Ed.	Seattle Seattle Seattle Stella Wyo. er, Ida pokane ndview S, Wis Harbor Seattle Everatt Seattle lympia Seattle Iracoma Seattle lagham Seattle
Williams, Evelyn, LD. LA. Williams, Frances E, LD. FA. Williams, Geo. Wallace, LD. Bus. Williams, Geo. Wallace, LD. Bus. Williams, Helen C, LD. LA. Williams, Helen C, LD. LA. Williams, Hugh P, LD. EE. Williams, James J, LD. EE. Williams, Jessie Evelyn, LD, Ed. **Williams, Jessie Evelyn, LD, Ed. **Williams, Kenneth G, Bus. **Williams, Mrs. Mary Louise. Williams, Mrs. Mary Louise. Williams, Ronald C, LD. Bus. Williams, Ronald C, LD. Bus. Williams, Ronald C, LD. Bus. **Williams, Thomas A, 1st Law. **Williams, Win C, Unc. Law. Williams, William O, UD, Bus. Williamson, Reba, LD. Sci Greybull, **Williamson, Right W, LD. Williamson, Robert W, Law. Williamson, Robert W, Law. Willis, Henry V, LD. Phar. Wilson, Albert W, LD. Wilson, Albert W, LD. Wilson, Burdette G, LD. Bus. Wilson, Elizabeth, Unc. LA. Wilson, Elizabeth, Unc. LA. Wilson, Emily T, LD. For. Wilson, Florence B, Grad. Wilson, Glen Evans, 2d Law. Wilson, Glen Evans, 2d Law. Wilson, Irma, LD. Ed. Wilson, Irma, LD. Ed. Wilson, Irma, LD. Ed. Wilson, James V, UD. EE.	Seattle Seattle Seattle Steattle Stella Wyo. er, Ida pokane ndview S, Wis Harbor Seattle Everatt Seattle erg, Or erdeen lympin Seattle Iracoma Seattle lingham Seattle Seattle lingham Seattle Seattle Seattle Seattle Seattle Seattle Lacoma
Williams, Thomas A, 1st Law. **Williams, Wm C, Unc, Law Williams, William O, UD, Bus Williamson, Estey J, LD. Bus Williamson, Reba, LD. Sci -Greybull. *Williamson, Rupert W, Law Fil. Willoughby, Alice Beryl, Unc. Sci. Sc. Willoughby, Alice Beryl, Unc. Sci. Sci. Grawills, Carola, Unc. LA Wills, Carola, Unc. LA Wills, Garola, Unc. LA Wills, Garola, Unc. LA Wills, Robert G, LD, Bus Wilson, Abe, LD. Bus Wilson, Abe, LD. Bus Wilson, Albert W, LD. LA Wilson, Burdette G, LD, Bus Wilson, Edwin W, LD, EE OWIISON, Elizabeth, Unc. LA Wilson, Emily T, LD. FA Wilson, Emily T, LD. FA Wilson, Faye A. UD, Ed Wilson, Forence B, Grad. Wilson, Howard W, LD, ChE Wilson, Thugh, LD, For Wilson, Thugh, LD, For Wilson, Thugh, LD, Ed Wilson, Trans, LD. Ed Wilson, John G, UD. Bus Wilson, Len E. Grad Sci.	Seattle Seattle Seattle Seattle Seattle Stella Wyo. er, Ida pokane ndvlew s, Wis Harbor Seattle Everett Seattle erg, Or erdeen lympia Seattle Ingham Seattle
Williams, Thomas A, 1st Law. **Williams, Wm O, Unc, Law. Williams, William O, UD, Bus. Williamson, Estey J, LD. Bus. Williamson, Reba, LD. Sci Greybull. **Williamson, Rupert W, Law. Fil. Williamson, Rupert W, Law. Fil. Willoughby, Alice Beryl, Unc. Sci. Sc. Willoughby, Elizabeth, LD, Sci. Gra Wills, Carola, Unc. LA. Will. Wills, Garola, Unc. LA. Will. Wills, Garola, Unc. LA. Wills Wills, Robert G, LD, Bus. Wilson, Abe, LD, Bus. Wilson, Abe, LD, Bus. Wilson, Albert W, LD. LA. Wilson, Burdette G, LD. Bus. Newb Wilson, George D, UD. For. At Wilson Edwin W, LD, EB OWIISON, Elizabeth, Unc. LA. Wilson, Emily T, LD. FA Wilson, Emily T, LD. FA Wilson, Glen Evans, 2d Law. Wilson, Grace, LD. LA. Wilson, Grace, LD. LA. Wilson, Howard W, LD, Che. Portis Wilson, Fran, LD, Ed Wilson, Irma, LD, Ed Wilson, John E, Grad, Sci Wilson, Lucile H, LD, Sci Wilson, Lucile H, LD, Sci	Seattle Seattle Seattle Steattle Steattle Stella , Wyo. er, Ida pokane nodview s, Wis Harbor Seattle Erg, Or berdeen seattle Seattle Ingham Seattle Se
Williams, Thomas A, 1st Law. **Williams, Wm O, Unc, Law. Williams, William O, UD, Bus. Williamson, Estey J, LD. Bus. Williamson, Reba, LD. Sci Greybull. **Williamson, Rupert W, Law. Fil. Willoughby, Alice Beryl, Unc. Sci. S. Willoughby, Elizabeth, LD, Sci. Grawills, Carola, Unc. LA. Will. Wills, Garola, Unc. LA. Will. Wills, Garola, Unc. LA. Will. Wills, Carola, Unc. LA. Will. Willson, Abe, LD. Bus. Wilson, Abe, LD. Bus. Wilson, Albert W, LD. Bus. Newb. Wilson, Burdette G, LD. Bus. Newb. Wilson, Edwin W, LD, EE Wilson, Elizabeth, Unc. LA. Wilson, Elizabeth, Unc. LA. Wilson, Emma J, UD, LA. Wilson, Emma J, UD, LA. Wilson, Glen Evans, 2d Law. Wilson, Grace, LD. LA. Bell Wilson, Howard W, LD, Che. Portle Wilson, James V, UD. EE. J. Wilson, James V, UD. EE. J. Wilson, John G, UD. Bus. Milson, James V, UD. Bus. Milson, John G, UD. Bus. Milson, Mary, LD. LA. Wilson, Mary, LD. LA. Wilson, Mary, LD. LA.	Seattle Seattle Seattle Steattle Steattle Steattle Steattle Steattle Seattle Everett Seattle Everettle Seattle
Wilson, James V. UD. Bus	Seattle Seattle Seattle Seattle Seattle Seattle
Wilson, James V. UD. Bus	Seattle Seattle Seattle Seattle Seattle Seattle
Wilson, James V, UD. Bus	Seattle Seattle Seattle Seattle Seattle Seattle

Winchell, A. Vincent, LD. LACentralia
Windhusen, Anne E, UD. EdMedical Lk
Winn, Burdett A, UD, MinSeattle
Winninghoff, Miss F, UD, Sci Phillipsburg M
Winston, J Carey, LD, BusSeattle
Winter, Bryan, LD, Bus
Winter, Evelyn M, LD, LAPortland, Or
Winter, Katherine M, LD, LA. Los Angeles
Winternote, Dorothy, LD, FATacoma
Wint Mammarita O. T.D. T.A. Voltima
Wist William H IID For Votime
Wice Togeth W I.D Rrs Vencouver
Wise Leglie V I.D. BusVancouver
Wise, Robert S. IID, LA Cedar Falls, Ia
Wise, Violet M. LD. PharTacoma
Wiseman, B Evangeline, Unc. Ed Corvallia
Wiseman, Orville, LD, LA
Wisen, Byron, LD, LASeattle
Wiswall, Henry M. LD. Sci Vancouver
Withrow, Faye, LD, LASeattle
Witney, Leslie W, Unc, Eng Everett
**Witte, Louis J, Bus
Wittenberg, Louis H, LD, SciSeattle
Witting, Arthur F, Fr, EngTacoma
Wohlrabe, Raymond A, UD, SciSeattle
Wolfe, Chia Chin, Sp, BusSeattle
Wolfe, Joe, LD, BusSeattle
Wolfe, John B, LD, BusTacoma
Wolfe, Merie, LD, Busseattle
Wolle, Alice, LD, Busseattle
Wollaston, Francis U, LD, EE. Victoria, BC
Wong, Elsie Nyuk Tsin, LD, SciHawaii
Wong, Elste Nyuk Tsin, LD, SciHawaii Wong, Frank Su-dong, UD, BusSeattle
Wong, Elste Nyuk Tsin, LD, SciHawaii Wong, Frank Su-dong, UD, BusSeattle Wong, Fred C, LD, SciSeattle Wong, Walter LD, BusSeattle
Wong, Elsie Nyuk Tsin, LD, SciHawaii Wong, Frank Su-dong, UD, BusSeattle Wong, Fred C, LD, SciSeattle Wong, Walter, LD, BusSeattle Wood, Carl E UD, CheSeattle
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Fred C, LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl E, UD, ChE. Seattle Wood, Everett P, LD, Bus. Seattle
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Fred C, LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl E, UD, ChE. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Florence, UD, FA. Seattle
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Fred C, LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl E, UD, ChE. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Florence, UD, FA. Seattle Wood, Florence, UD, FA. Seattle Wood, Florence, UD, FA. Seattle
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Fred C, LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl E, UD, ChE. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Florence, UD, FA. Seattle Wood, Harold S, LD, Bus. Sunnyslde Wood, Hazel E, LD, LA. Seattle
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Fred C, LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl B, UD, ChE. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Florence, UD, FAA. Seattle Wood, Harold S, LD, Bus. Sunnyside Wood, Hazel E, LD, LA. Seattle Wood, James L, LD, Bus. Seattle
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Fred C, LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl E, UD, ChE. Seattle Wood, Eyerett P, LD, Bus. Seattle Wood, Florence, UD, FA. Seattle Wood, Harold S, LD, Bus. Sunnyside Wood, Harel E, LD, LA. Seattle Wood, James L, LD, Bus. Seattle Wood, James L, LD, Bus. Seattle Wood, Oak D, UD, Bus. Hood River, Or
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Fred C, LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl E, UD, ChE. Seattle Wood, Florence, UD, FA. Seattle Wood, Florence, UD, FA. Seattle Wood, Harold S, LD, Bus. Sunnyside Wood, James L, LD, Bus. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, Mrs. Rose B, LD, Sci. Seattle
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Fract C, LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl B, UD, ChE. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Florence, UD, FA. Seattle Wood, Harold S, LD, Bus. Sunnyside Wood, Hazel E, LD, LA. Seattle Wood, Oames L, LD, Bus. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, Mrs. Rose B, LD, Sci. Seattle Wood, Varian G, UD, Sci. Granite Falls
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Frank C. LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl E, UD, ChE. Sci. Seattle Wood, Ererett P, LD, Bus. Seattle Wood, Florence, UD, FA. Seattle Wood, Harel E, LD, LA. Seattle Wood, Harel E, LD, LA. Seattle Wood, James L, LD, Bus. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, Mrs. Rose B, LD, Sci. Seattle Wood, Varian G, UD, Sci. Granite Falls Wood, Wm Russell, UD, For. Seattle
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Frank C, LD, Sci. Seattle Wong, Walter, LD, Eus. Seattle Wood, Carl E, UD, ChE. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Florence, UD, FA. Seattle Wood, Harold S, LD, Bus. Sunnyside Wood, Hareld S, LD, Bus. Sunnyside Wood, James L, LD, Bus. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, Mrs. Rose B, LD, Sci. Seattle Wood, Varian G, UD, Sci. Granite Falls Wood, Wm Russell, UD, For Seattle Wood, Zilphia L, LD, FA. Tacoma
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Fract C, LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl B, UD, ChE. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Florence, UD, FA. Seattle Wood, Harold S, LD, Bus. Sunnyside Wood, Hazel E, LD, LA. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, James I, LD, Bus. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, Mrs. Rose B, LD, Sci. Seattle Wood, Varian G, UD, Sci. Granite Falls Wood, Wm Russell, UD, For Seattle Wood, Caliphia L, LD, FA. Tacoma Woodall, Otis, LD, Eng. Ephrata
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Frank Su-dong, UD, Bus. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl E, UD, ChE. Sci. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Florence, UD, FA. Seattle Wood, Hareld S, LD, Bus. Sunnyside Wood, Hareld E, LD, LA. Seattle Wood, James L, LD, Bus. Seattle Wood, James L, LD, Bus. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, Mrs. Rose B, LD, Sci. Granite Falls Wood, Wm Russell, UD, For Seattle Wood, Zilphia L, LD, FA. Tacoma Woodall, Otts, LD, Eng. Ephrata Woodbridge, Frederick W, UD, Bus. Seattle
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Frank Su-dong, UD, Bus. Seattle Wong, Walter, LD, Sci. Seattle Wood, Carl E, UD, ChE. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Florence, UD, FA. Seattle Wood, Harold S, LD, Bus. Sunnyside Wood, Harold S, LD, Bus. Sunnyside Wood, Harel E, LD, LA. Seattle Wood, James L, LD, Bus. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, Mrs. Rose B, LD, Sci. Seattle Wood, Varian G, UD, Sci. Granite Falls Wood, Wm Russell, UD, For Seattle Wood, Zilphia L, LD, FA. Tacoma Woodall, Otts, LD, Eng. Ephrata Woodcck, Lucy, LD, Sci. Dungeness
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Fract C, LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl E, UD, ChE. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Florence, UD, FA. Seattle Wood, Harold S, LD, Bus. Sunnyside Wood, Harel E, LD, LA. Seattle Wood, Games L, LD, Bus. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, Mrs. Rose B, LD, Sci. Seattle Wood, Warlan G, UD, Sci. Granite Falls Wood, Warlan G, UD, Sci. Granite Falls Wood, Warlan G, UD, For. Seattle Wood, Callphia L, LD, FA. Tacoma Woodall, Otis, LD, Eng. Ephrata Woodbridge, Frederick W, UD, Bus. Seattle Woodck, Lucy, LD, Sci. Dungeness Woods, Elmer S, LD, LA. Seattle
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Frank C. LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl E, UD, ChE. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Florence, UD, FA. Seattle Wood, Hareld S, LD, Bus. Sunnyside Wood, Hareld E, LD, LA. Seattle Wood, James L, LD, Bus. Seattle Wood, Oak D, UD, Bus. Seattle Wood, Wrs. Rose B, LD, Sci. Seattle Wood, Wrs. Rose B, LD, Sci. Granite Falls Wood, Wind Russell, UD, For Seattle Wood, Zilphia L, LD, FA. Tacoma Woodall, Otts, LD, Eng. Ephrata Woodbridge, Frederick W, UD, Bus. Seattle Woods, Rachel A, UD, LA. Seattle Woods, Rachel A, UD, LA. Seattle
Wong, Elsie Nyuk Tsin, LD, Sci Hawaii Wong, Frank Su-dong, UD, Bus Seattle Wong, Fract C, LD, Sci Seattle Wong, Walter, LD, Bus Seattle Wood, Carl E, UD, ChE Seattle Wood, Everett P, LD, Bus Seattle Wood, Florence, UD, FAA Seattle Wood, Harold S, LD, Bus Sunnyside Wood, Harold S, LD, Bus Sunnyside Wood, Harold S, LD, Bus Sunnyside Wood, James L, LD, Bus Seattle Wood, Oak D, UD, Bus Hood River, Or Wood, Mrs. Rose B, LD, Sci Seattle Wood, Varian G, UD, Sci Granite Falls Wood, Wm Russell, UD, For Seattle Wood, Wilphia L, LD, FAA Tacoma Woodall, Otts, LD, Eng Ephrata Woodbridge, Frederick W, UD, Bus. Seattle Woods, Elmer S, LD, LA Seattle Woods, Rachel A, UD, LA Seattle Woods, Richard, LD, Bus Seattle
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Fract C, LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl E, UD, ChE. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Florence, UD, FA. Seattle Wood, Harold S, LD, Bus. Sunnyside Wood, Harel E, LD, LA. Seattle Wood, Hazel E, LD, LA. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, Oak D, UD, Bus. Hood River, Or Wood, Wars I, LD, Bus. Seattle Wood, Varian G, UD, Sci. Seattle Wood, Varian G, UD, Sci. Granite Falls Wood Wm Russell, UD, For. Seattle Wood, Cilphia L, LD, FA. Tacoma Woodall, Otis, LD, Eng. Ephrata Woodbridge, Frederick W, UD, Bus. Seattle Woods, Rachel A, UD, LA. Seattle Woods, Rachel A, UD, LA. Seattle Woods, Ruth E, UD, LA. Seattle Woods, Ruth E, UD, LA. Seattle Woods, Ruth E, UD, LA. Seattle
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Frank Su-dong, UD, Bus. Seattle Wong, Walter, LD, Eus. Seattle Wood, Carl E, UD, ChE. Seattle Wood, Florence, UD, FA. Seattle Wood, Florence, UD, FA. Seattle Wood, Harold S, LD, Bus. Sunnyside Wood, Harold S, LD, Bus. Sunnyside Wood, Harel E, LD, LA. Seattle Wood, James L, LD, Bus. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, Wrs. Rose B, LD, Sci. Seattle Wood, Varian G, UD, Sci. Granite Falls Wood, Wm Russell, UD, For. Seattle Wood, Zilphia L, LD, FA. Tacoma Woodbidge, Frederick W, UD, Bus. Seattle Woods, Elchard, LD, Ed. Dungeness Woods, Rachel A, UD, LA. Seattle Woods, Rachel A, UD, LA. Seattle Woods, Rucher, LD, Bus. Seattle Woods, Rucher, LD, LA. Seattle Woods, Ruche, LD, LA. Seattle Woods, Ruche, LD, LA. Cle Elum Woldridge, Roy, Grad Ferndale
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Frank Su-dong, UD, Bus. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl B, UD, ChE. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Florence, UD, FAA. Seattle Wood, Harold S, LD, Bus. Sunnyside Wood, Harold S, LD, Bus. Sunnyside Wood, Harold S, LD, Bus. Sunnyside Wood, James L, LD, Bus. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, Mrs. Rose B, LD, Sci. Seattle Wood, Varlan G, UD, Sci. Granite Falls Wood, Wm Russell, UD, For Seattle Wood, Wm Russell, UD, For Seattle Wood, Silphia L, LD, FAA. Tacoma Woodall, Otts, LD, Eng. Ephrata Woodbridge, Frederick W, UD, Bus. Seattle Woods, Elmer S, LD, LA. Seattle Woods, Rachel A, UD, LA. Seattle Woods, Richard, LD, Bus. Seattle Woods, Richard, LD, Bus. Seattle Woods, Richard, LD, Bus. Seattle Woodward, Carrie, LD, LA. Seattle
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Fract C, LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl E, UD, ChE. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Florence, UD, FA. Seattle Wood, Harold S, LD, Bus. Sunnyside Wood, Harel E, LD, LA. Seattle Wood, Hazel E, LD, LA. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, Oak D, UD, Bus. Hood River, Or Wood, Wrs. Rose B, LD, Sci. Seattle Wood, Varlan G, UD, Sci. Granite Falls Wood, Wm Russell, UD, For Seattle Wood, Zilphia L, LD, FA. Tacoma Woodall, Otis, LD, Eng. Ephrata Woodbridge, Frederick W, UD, Bus. Seattle Woods, Rachel A, UD, LA. Seattle Woods, Richard, LD, Bus. Seattle Woods, Ruth E, UD, LA. Seattle Woods, Ruth E, UD, LA. Cle Elum Woldridge, Roy, Grad Ferndale Woodworth, Claude J, 1st Law R1 Eastsound
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Walter, LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl E, UD, ChE. Seattle Wood, Florence, UD, FA. Seattle Wood, Florence, UD, FA. Seattle Wood, Harold S, LD, Bus. Sunnyside Wood, Harold S, LD, Bus. Sunnyside Wood, Harel E, LD, LA. Seattle Wood, James L, LD, Bus. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, Wrs. Rose B, LD, Sci. Seattle Wood, Varian G, UD, Sci. Granite Falls Wood, Wm Russell, UD, For Seattle Wood, Wm Russell, UD, For Seattle Wood, Ciliphia L, LD, FA. Tacoma Woodall, Otts, LD, Eng. Ephrata Woodbridge, Frederick W, UD, Bus. Seattle Woods, Richard, LD, Bus. Seattle Woods, Richard, LD, Bus. Seattle Woods, Ruth E, UD, LA. Seattle Woods, Ruth E, UD, LA. Seattle Woodward, Carrie, LD, LA. Seattle Woodworth, Claude J, 1st Law RI Eastsound **Woodworth, Claude J, 1st Law RI Eastsound **Seattle Woodworth, Claude J, 1st Law RI Eastsound **Woodworth, Claude J, 1st Law RI Eastsound **Seattle Woodworth, Claude J, 1st Law RI Eastsound ***Roodworth, Claude J, 1st Law RI Eastsound
Wong, Elsie Nyuk Tsin, LD, Sci Hawaii Wong, Frank Su-dong, UD, Bus Seattle Wong, Walter, LD, Sci Seattle Wong, Walter, LD, Bus Seattle Wood, Carl B, UD, ChE Seattle Wood, Everett P, LD, Bus Seattle Wood, Florence, UD, FAA Seattle Wood, Harold S, LD, Bus Sunnyside Wood, Harold S, LD, Bus Sunnyside Wood, Harold S, LD, Bus Sunnyside Wood, James L, LD, Bus Seattle Wood, Oak D, UD, Bus Hood River, Or Wood, Mrs. Rose B, LD, Sci Seattle Wood, Varlan G, UD, Sci Seattle Wood, Wm Russell, UD, For Seattle Wood, Wm Russell, UD, For Seattle Wood, Silphia L, LD, FAA Tacoma Woodall, Otts, LD, Eng Ephrata Woodbridge, Frederick W, UD, Bus. Seattle Woods, Richard, LD, Bci Seattle Woods, Rachel A, UD, LA Seattle Woods, Richard, LD, Bus Seattle Woods, Richard, LD, Bus Seattle Woodward, Carrie, LD, LA Seattle Woodward, Carrie, LD, LA Seattle Woodworth, Claude J, 1st Law.R1 Eastsound **Woodworth, Claude J, 1st Law.R1 Eastsound
Wong, Elsie Nyuk Tsin, LD, Sci Hawaii Wong, Frank Su-dong, UD, Bus Seattle Wong, Fract C. LD, Sci Seattle Wong, Walter, LD, Bus Seattle Wood, Carl E, UD, ChE Seattle Wood, Everett P, LD, Bus Seattle Wood, Florence, UD, FA Seattle Wood, Harold S, LD, Bus Sunnyside Wood, Harold S, LD, Bus Sunnyside Wood, Harel E, LD, LA Seattle Wood, Oak D, UD, Bus Hood River, Or Wood, Oak D, UD, Bus Hood River, Or Wood, Wars Rose B, LD, Sci Seattle Wood, Varian G, UD, Sci Seattle Wood, Varian G, UD, Sci Granite Falls Wood, Wm Russell, UD, For Seattle Wood, Silphia L, LD, FA Tacoma Woodall, Otis, LD, Eng Ephrata Woodbridge, Frederick W, UD, Bus. Seattle Woods, Rachel A, UD, LA Seattle Woods, Richard, LD, Bus Seattle Woods, Ruth E, UD, LA Seattle Woods, Ruth E, UD, LA Seattle Woodworth, Claude J, 1st Law R1 Eastsound **Woodworth, Claude J, 1st Law R1 Eastsound **Woodworth, Earl, UD, Bus Seattle Woodworth, Claude J, 1st Law R1 Eastsound **Woodworth, Earl, UD, Bus Seattle Worswick, Luella A, LD, Bus Seattle Worswick, Luella A, LD, Bus Seattle
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Walter, LD, Sci. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl B, UD, ChE. Seattle Wood, Florence, UD, FA. Seattle Wood, Florence, UD, FA. Seattle Wood, Harold S, LD, Bus. Sunnyside Wood, Harold S, LD, Bus. Sunnyside Wood, Harel E, LD, LA. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, Mrs. Rose B, LD, Sci. Seattle Wood, Oak D, UD, Bus. Seattle Wood, Varian G, UD, Sci. Granite Falls Wood, Win Russell, UD, For Seattle Wood, Win Russell, UD, For Seattle Wood, Zilphia L, LD, FA. Tacoma Woodall, Otts, LD, Eng. Ephrata Woodbridge, Frederick W, UD, Bus. Seattle Woods, Elchard, LD, LA. Seattle Woods, Richard, LD, Bus. Seattle Woods, Richard, LD, Bus. Seattle Woodward, Carrie, LD, LA. Seattle Woodward, Carrie, LD, LA. Seattle Woodward, Carrie, LD, LA. Seattle Woodward, Nadine L, LD, Bus. Nooksack Workman, Nadine L, LD, Bus. Seattle Workman, Spencer J, LD, Eng. Colville Worthington, Harold L, LD, Eus. Seattle
Wong, Elsie Nyuk Tsin, LD, Sci. Hawaii Wong, Frank Su-dong, UD, Bus. Seattle Wong, Frank Su-dong, UD, Bus. Seattle Wong, Walter, LD, Bus. Seattle Wood, Carl B, UD, ChE. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Everett P, LD, Bus. Seattle Wood, Harold S, LD, Bus. Sunnyside Wood, Harold S, LD, Bus. Sunnyside Wood, Harold S, LD, Bus. Sunnyside Wood, James L, LD, Bus. Seattle Wood, Oak D, UD, Bus. Hood River, Or Wood, Mrs. Rose B, LD, Sci. Seattle Wood, Varian G, UD, Sci. Granite Falls Wood, Wm Russell, UD, For Seattle Wood, Wm Russell, UD, For Seattle Wood, Tiphia L, LD, EA, Tacoma Woodall, Otts, LD, Eng. Ephrata Woodbridge, Frederick W, UD, Bus. Seattle Woods, Richard, LD, Bci. Dungeness Woods, Elmer S, LD, LA. Seattle Woods, Rachel A, UD, LA. Seattle Woods, Richard, LD, Bus. Seattle Woodworth, Claude J, 1st Law R1 Eastsound **Woodworth, Claude J, 1st Law R1 Eastsound
Winchell, A. Vincent, LD. LA. Centralia Windhusen, Anne B. UD. Ed. Medical Lk Winn, Burdett A, UD. Min. Seattle Winn, Burdett A, UD. Min. Seattle Winn, Burdett A, UD., Min. Seattle Winnton, J Carey, LD., Bus. Seattle Winter, Every LD, Bus. Seattle Winter, Bryan, LD, Bus. Everett Winter, Bryan, LD, Bus. Everett Winter, Every M, LD, LA. Los Angeles Winternote, Dorothy, LD, FA. Tacoma Winwood, Ralph F, UD., Bus. Butte, Mont Wirt, Marguerite O, LD, LA. Yakima Wirt, William H, UD, For Yakima Wise, Joseph W, LD, Bus. Vancouver Wise, Robert S, UD, LA. Cedar Falls, Ia Wise, Violet M, LD, Phar. Tacoma Wiseman, B Evangeline, Unc. Ed. Corvallis Wiseman, Orville, LD, LA. Seattle Wisem, Byron, LD, LA. Seattle Wisem, Byron, LD, LA. Seattle Wisem, Byron, LD, LA. Seattle Wisem, Faye, LD, LA. Seattle Witney, Leslie W, Unc. Eng. Everett **Witte, Louis J, Bus. Wittenberg, Louis H, LD, Sci. Seattle Witting, Arthur F, Fr, Eng. Tacoma Wohlrabe, Raymond A, UD, Sci. Seattle Wolfe, Joe, LD, Bus. Seattle Wolfe, John B, LD, Bus. Seattle Wolfe, Merle, LD, Bus. Seattle Wolfe, Merle, LD, Bus. Seattle Wolfe, Alice, LD, Bus. Seattle Wong, Frank Su-dong, UD, Bus. Seattle Wong, Frank Su-dong, UD, Bus. Seattle Wood, Alice, LD, Bus. Seattle Wood, Florence, UD, FA. Seattle Wood, Florence, UD, FA. Seattle Wood, Florence, UD, FA. Seattle Wood, James L, LD, Bus. Seattle Wood, James L, LD, Bus. Seattle Wood, Silphia L, LD, Ed. Seattle Wood, Silphia L, LD, Ed. Seattle Wood, Silphia C, LD, Bus. Seattle Wood, Silphia C, LD, Bus. Seattle Wood, Richard, LD, Eng. Colville Woodward, Carrie, LD, Bus. Seattle Woodward, Carrie, LD, Bus. Seattle Woodward, Carrie, LD, Bus. Seattle Worthington, Harold L, LD, CE. Quilcene Worthington, Norman P, LD, Bus. Colville Worthington, Harold L, LD, CE. Quilcene Worthington,

Worthley, Chas Bond, UD, EETacoma
Wotherspoon, Agnes M, LD, Sci Seattle
Wren, Harper, LD, LASeattle
Wright, Allen C, UD, EESeattle
Wright, Elsie C. LD, EdSeattle
Wright, Eugene M, LD, PusBellingham
Wright, Frank H, LD, FE Seattle
Wright, George P, LR, LD, BusTacoma
Wright, Guy S, LD, EESeattle
Wright, Mrs Helen E, LD, LA Seattle
Wright, Howard H, LD, Bus Everett
Wright, Jack Willis, LD, LA Seattle
Wright, Leota, UD, EdCamas
Wright, A Russell, LD, BusSeattle
Wright, Walton E, LD, EEWalla Walla
Wright, Wilma C, LD, LATacoma
Wurzbacher, Marian E, LD, FASeattle
Wyers, Marie, LD, LAWhite Salmon
Wyers, Teunis J. LD, LAWhite Salmon
Wyman, Thornton D, Unc, Law Seattle
Wynne, Vivian E, UD, SciFerndale

Zaar. Clarence W. 1st LawSeattle
Zahl, Herman M, LD, BusSeattle
Zaluskey, Eugene, Unc, LawSeattle
Zamberlin, Carl, LD, BusOlympia
Zamora, Lorenzo, LD, LAPhilippines
Zee, Chung, UD, BusChina
Zee, Ernest, UD. BusChina
Zeis, Duncan, LD, BusSeattle
Zeller, William B, LD, SciWalla Walla
Zener, Carlos R. UD, BusWhite Salmon
gener, Robert G, LD. EngWhite Salmon
Zickrick, Lyall, Grad, MinSeattle
Ziel, Frederick L, LD, CEPt Townsend
Zimmerman, Mary L, UD, LASeattle
Zinthea, Clarence J, LD, ChE Seattle
Zumwalt, Orion, LD, PharYakima
Zurbrick, John W, LD, BusBellingham
Zwicky, Everett E, UD, MinKaslo, BC

SUMMER QUARTER STUDENTS-1921

Abbett Tarome T. Case Tom Tinten Oble
Abbott, Luverne L., Spec. Law, Hinton, Okla Abel, Carl W., Fr. Che Seattle Abel, Helen M, LD, Sci Montesano Abelarde, Jose F., Spec Philippines
Abol Holon M ID Cal Montage
Abel, Helen M, LD, Sci Montesano
Abelarde, Jose F., SpecPhilippines
Abell, Chas. Henry, LD, BusSeattle Aber, James F., UD, SciSeattle
Aber, James F., UD, SciSeattle
Adams, Geo. B., Unc, BusSeattle
Adelson, Abraham M., Jr., EESeattle
Adams, Geo. B., Unc, Bus Seattle Adelson, Abraham M., Jr., EE Seattle Agen, John Stuart, LD, Bus Seattle
Agonias, Eusebio M., Spec. Philippines Augila, Jose, LD, Bus Ahnquist, Martha E, UD, Ed Scattle Attchison, Evelyn V., LD. LA, Berkeley, Cal
Augila, Jose, LD, Bus
Ahnquist, Martha E, UD, EdScattle
Aitchison, Evelyn V., LD. LA, Berkeley, Cal
Akin, Cecilia E., UD, Ed. Seattle Albee, Archie V, UD, Ed. Seattle Albees, Alvina M, Grad. Northfield, Minn Alden, John H, Grad. Washington, D. C Alder, Martha, Spec, Nurs. Seattle
Albee, Archie V. UD, LASeattle
Albers, Alvina M. GradNorthfield, Minn
Alden, John H. GradWashington, D. C
Alder, Martha, Spec, NursSeattle
Allen Charles E, Jr, EE Seattle
Allon Clonno A Cred Souttle
Allen, Mabelle, UD LA Pendleton, Or
Allen, Mabelle, UD LAPendleton, Or Alpaugh, Irene, LD, EdLaurel, Mont Altman, L C, LD, EdBellingham, Wash Alway H G, Unc, Ed. College Place, Wash Amos, Felipe R, Soph, ForPhilippines Anderson, Estella W, LD, EdSeattle
Altman, L. C. LD. Ed Bellingham, Wash
Alway H G. Unc. Ed. College Place. Wash
Amos, Feline R. Sonh, For Philippines
Anderson Estella W. L.D. Ed. Seattle
Anderson, Alma C, Grad Helena, Mont Anderson, Arthur Joel, UD, Bus Seattle Anderson, Edward G, UD, Ed Seattle Anderson, Ethel Way, Grad Seattle Anderson, Georgia E, Unc, LA Seattle
Anderson Arthur Tool VID Dra Coattle
Anderson, Artifler Joes, OD, BusSeattle
Anderson, Withol Way Cond Southle
Anderson, Coords W Tree T.A. Conttle
Anderson, Georgia E., Ciic, Lia Seattle
Anderson, Helen E, UD, LASeattle Anderson, John F, Unc, Ed. Centralia, Wash
Anderson, John F, Unc, Ed. Centralia, Wash
Anderson, Leroy P. Unc, Law. Portishe, Ur
Annerson, Mrs. L.E., UD, Sci Seatue
Anderson, M. A., UD, Ed Harlowtown, Mont
Anderson, Gena, LD, BusTacoma
Anderson, Mary H, UD, LASeattle
Anderson, Mrs. M., LD, LA. Centralia, Wash
Anderson, Pearl A. UD, LA. Mabana, Wash
Anderson, Stanley J, LD, Bus Seattle
Anderson, Rena, Unc, Ed Portland Or
Andrews, Rita Lenora, GradBoise, Ida
Andrus, Dora Eva, UD EdSeattle
Appleton, C Floyd, LD, LASeattle
Arbuthnot, I I, LD, SciSeattle
Archey, Howard Den, UD, BusSeattle
Anderson, John F, Unc. Ed. Centralia, Wash Anderson, Leroy P, Unc, Law. Portland, Or Anderson, Mrs. L E, UD, Sci Seattle Anderson, Mrs. L E, UD, Sci Tacoma Anderson, Gena, LD, Bus Tacoma Anderson, Gena, LD, Bus Tacoma Anderson, Mrs. M, LD, LA. Centralia, Wash Anderson, Pearl A, UD, LA. Mabana, Wash Anderson, Stanley J, LD, Bus Seattle Anderson, Rena, Unc, Ed Portland Or Andrews, Rita Lenora, Grad Boise, Ida Andrus, Dora Eva, UD Ed Seattle Arpleton, C Floyd, LD, LA. Seattle Arpleton, C Floyd, LD, LA. Seattle Arpheton, C Floyd, LD, LA. Seattle Arpheton, Edward J, Grad Parkland, Wash Artsen, Edward J, Grad Parkland, Wash Artsen, Edward J, Grad Everett, Wash Atvocd, Stanley F, UD, LA. Prosser, Wash Aune, Bernt, Unc, LA. Bangor, Wash Anstin, Russell A, LD Bus. Aberdeen, Wash
Arntzen, Edward J, GradParkland, Wash
Attebery, Edgar R, Grad Everett, Wash
Atwood, Stanley F, UD, LA. Prosser, Wash
Aune, Bernt, Unc, LABangor, Wash
Austin, Russell A, LD Bus Aberdeen, Wash
Axtelle, George E, UD, Sci

Bachelor, Robert W. UD, Bus. Tacoma, Wash Bailey, D A, LD Sci...Walla Walla, Wash Bailey, Myron E, UD, Ed....Seattle Bailey, William L, 1st Law...Seattle Bailie, Marcia P, LD, LA...Seattle Bailie, Marcia P, LD, LA...Seattle Bailie, Marcia P, LD, LA...Seattle Baile, Carl O, UD, Bus...Garfield, Wash Baker, Charity F, UD, Bus...Seattle Baker, Martin H, UD, Ed...Robe, Wash Baker, Ruth E, LD, Sci...Seattle Baldwin, Anna Laura....Spokane, Wash Baldwin, Clarence H, UD, Bus...Seattle Ball, Rollyn John, LD, BA...Seattle Ballard Louise Estelle Summers, Spec...Bancroft, Clyde A, Unc, Ed...Seattle Bannwarth, C G, UD, Bus. Snohomish, Wash

Bowman, Edna E, UD, Ed Eberett, Wash Boyd, Almira Patrica. LD FA Seattle Boyd, Gail Agnes, Unc. Ed Seattle Boyd, Gail Agnes, Unc. Ed Boyd, Mont Brackett, Eunice M, LD Ed Seattle Bradeson, Victor D, Unc. Ed Seattle Bradeson, Victor D, Unc. LA Seattle Brandrift, H. UD, Sci Terra Haute, Ind Branshaw, W. G., Unc. Ed Hoquiam Brazier, John M, LD, Bus Seattle Bressler, Margaret, UD, La Centralia Brethorst, Alice B, LD, LA Seattle Brickell. Charles B, 2nd Law Seattle Brickell. Charles B, 2nd Law Seattle Bridgman, Alfred W, LD, Bus Vashon Bridston, Albertine O, UD, Ed Seattle Brignam, Lyle D, LD, Bus Seattle Brignam, Lyle D, LD, Bus Seattle Bronson, Ira Lioyd, Unc. Law Seattle Bronson, Ira Lioyd, Unc. Ed Cooperstown, ND Brower, Myron Taylor, LD, Bus Seattle Bronson, Ira Lioyd, Unc. Ed Cooperstown, ND Brower, Myron Taylor, LD, Bus Seattle Brown, Earl Theodore, Grad Centralia Brown, Earl Theodore, Grad Centralia Brown, Grace A, LD LA Seattle Brown, Julia Merriman, LA Denver, Colo Brown, Melvin E, LD, Ed Rockford Wash Brown, Stephen D, Spec, Bus Seattle Brown, Melvin E, LD, Ed Rockford Wash Brown, Stephen D, Spec, Bus Seattle Brown, Warren, Grad Seattle Brown, Maryer, Grad Seattle Brown, Maryer, C. LD, LA Seattle Brown, Maryer, C. LD, LA Seattle Brown, Maryer, C. LD, LA Seattle Brown, Margaret, Spec. Sci Tacoma Buchan, K F, Grad Washington Boro, Pa Bryce, Margaret, Spec. Sci Tacoma Buchan, K F, Grad Washington Boro, Pa Bryce, Margaret, LD LA Seattle Buck, Margaret, LD LA Seattle Buck, Margaret, LD, Ed Weston, Or Burde, Kendall E, UD, Ed Seattle Burke, Mary K, LD, LA Seattle Burset, Marie, Edous, Dural, Wash Burns, Jessie E, LD, LA Seattle Burs
Boyd, Esther E, Unc, LASeattle Boyd, Gail Agnes, Unc. EdBoyd, Mont
Brackett, Eunice M, LD EdSeattle Bradeson, Victor D. Unc. LASalem, Or
Bradley, Mabel Gilmore, Unc, LA Seattle Brandriff, H. UD. Sci Terra Haute, Ind
Branshaw, W. G., Unc. Ed Hoquiam
Bressler, Margaret, UD, LaCentralia
Brickell, Charles B, 2nd LawSeattle
Bridston, Albertine O. UD. &dSeattle
Brinck, Stephen Marius, Grad Seattle
Brooks, Clark F, Spec, BA Hazleton, Ida
Brower, Myron Taylor, LD, BusSeattle
Brown, E. O., UD, SciFriday Harbor
Brown, Grace A. In LASeattle Brown, Francis L, UD, BusYakima
Brown, Julia Merriman, LADenver, Colo Brown, Lois Eula, GradBockford
Brown, Melvin E, LD, EdRockford, Wash Brown, Stephen D, Spec, BusSeattle
Brown, Warren, Grad
Brumbaugh, Florence, Unc, FAE Seattle Brush, Laura J, LAWashington Boro, Pa
Bryce, Margaret, Spec. SciTacoma Buchan, K. F., GradWaukesha, Wis
Buchanan, Victor, Unc, LASeattle Buck, Margaret, LD LASeattle
Buckingham, Z L, Unc, FA. Forest Grove, Or Bugge, Elwyn, UD, EdSeattle
Bulfinch, Dorothy, Unc, EdWeston, Or Bunday, Maude, GradForest Grove, Or
Burch, Clara C, UD, FA. Ællensburg, Wash Burgess, Ruth, GradPortland, Ore
Burke, Frederick T, LD, Sci. Portland, Or Burke, Kendall E, UD, Ed Seattle
Burke, Mary K, LD, LASeattle Burkman, Joel A, LD, EdSeattle
Burleigh, Bessie M, UD, EdSeattle Burnam, Ann, Spec, EdTolt, Wash
Burnhan, Constance O, Grad. Waupapa, Wis Burns, Clara D Unc, FA, Mt. Vernon, Wash
Burns, Jessie E. LD, LASeattle Burrows, Eleanor, LD, LASeattle
Burrus, Thurlow M, LD, Sci. Spokane, Wash Bursell, M A, UD, Ed. Seattle
Bursett, Maurice B, LD, BusHarlem, Mont Burtis, J Lynn, Spec, BusPortland, Or
Burton Neille Aline, LD, BusSeattle Busch, Eva Eleanore, Grad. SanFrancisco, Cal
Butler, Mayo P, Soph, MBSeattle
Button, Malcolm P, LD Bus. Hood River, Or
Byers, John, LD, SciEverett, Wash
Byrne, Marie, GradSpokane

Cady, Osman Horace, Grad Seattle Cage, Mary, Grad Los Angeles, Cal Callow, Annabel, Unc, LA... Spokane, Wash Callow, Doris, LD, FA.... Seattle Calvert, Henderson Starr, Unc, Bus. Seattle Cameron, G R, UD, LA... Bellingham Campbell, A, Jr, LD, Bus... Seattle Campbell, C. G. UD. £2d... Bellingham Campbell, D McC M, Fr, Phar ... Seattle Campbell, J A, UD, LA... Rolling Bay Campbell, J E, Spec. LA... Chimacum

Daley, Myrtle F. Unc. Ed... Spokane, Wash Dalton, John Clark, LID, Bus. Yakima, Wash Damerell, Vivian Richard, LD, Sci.. Seattle Damon, Verne La Due. Grad... Seattle Daquioag, Sebastian, LD, Ed... Philippines Daugherty, Frank T, Spec, Jour... Seattle Davidson, Seattle Davidson, Mrs. Johanna, Spec, El Pasco, Wn Davidson, John W, Grad... Raymond. Wash Davis, Eunice Dorothy, LD, LA... Seattle Davis, Dorothy Cavvel, UD, Sci... Seattle Davis, Miss Frank Harris, Unc. Ed. Seattle Davis, Harriet Ella, Unc. FA... Seattle Davis, Stephen M, UD, Bus... Portland, Ore Davis, Mercle Irene, LD, LA. Donald, Wash Davis, Ralph Jefferson, LD, Bus. Seattle Davis, Ruth M, Jr., Phar.. Bellingham, Wash Davis, Ralph Jefferson, LD, Bus. Seattle Davis, Ruth M, Jr., Phar.. Bellingham, Wash Day, Leta, Unc. Bus... Seattle Day, Margaret E, UD, LA.. Clarkston, Wash Day, Leta, Unc. Bus... Seattle Dear, John Ralph, Spec, Bus... Seattle Deer, Malter George, LD, Sci... Seattle Deer, Leroy, Grad... Colville, Wash Deannon, Elizabeth, Grad... Seattle Deefrief, Leroy, Grad... Colville, Wash Denman, Howard W, LD, Ed. Cashmere, Wash Desota, Alexander, LD, LA... Seattle

Dick, Elma Martha, LD, FA. Lewiston, Ida Dickerson, William Eugene, UD, Bus. Seattle Dickinson, Lois A. Grad.... Okanogan, Wash Dickson, Elizabeth, LD, LA. Buffalo, NY Dietrich, Eleanor A, UD, Sci. Helena, Mont Dillon, Ruby Lois, Unc. LA.... Weiser, Ida Dimock, Stuart Marshall, Jr. CE... Seattle Dingle, Esther L, Unc, LA. Yakima, Wash Dingle, Helen, UD, Bus... Yakima, Wash Dingle, Helen, UD, Bus... Yakima, Wash Dodd, Harry LeRoy, LD, Ed... Seattle Dodg, Bradley M, LD, Ed... Seattle Dodg, Bradley M, LD, Ed... Eliensburg Doell, Lydia J, LD, Ed... Lind, Wash Doell, Lydia J, LD, Ed... Lind, Wash Donahue, Alfred B, Unc, Ed... Ellensburg Donovan, Theodore Emerson, Jr. ME. Seattle Down, Hugh Bardue, Unc, LA... Seattle Downs, Esther, Spec, Sci... Seattle Downs, Andrew, UD, LA... Seattle Down, Andrew, UD, LA... Lacey, Wash Downs, Mabel, Unc, LA... Portland, Ore Drake, Geraldine C, UD, Ed. Wenatchee, Wn Draves, Carl Zeno, Grad... Seattle Draves, Galen B, Spec, Bus... Seattle Draves, Galen B, Spec, Bus... Seattle Drayen, Alberta, Unc, Ed... Peck, Ida Dryden, Lockle, Unc, LA... Lace, Wash Dunn, Mrs. Annie H, LA. Seattle Duncan, Annie S, Spec, Sci. Oktotks, Alta, Can Duncan, Annie S, Spec, Sci. Oktotks, Alta, Can Duncan, Pansey, Unc, BA. Toppenish, Wash Dunn, Helen M, UD, Sci.. Waterville, Wash Dunn, Helen M, UD, Sci.. Waterville, Wash Dunn, John Joseph, 1st Law... Seattle Dupuly, Helen C, UD, LA. Walla Walla, Wn Dunton, Forrest E, Grad. Castle Rock, Wash Dunton, Sraat G, Unc, Ed... Molalia, Ore Dupuls, James J, LD, Bus... Seattle

Eagleson, Helen Elizabeth, Grad... Seattle Earnest, Robert Roy, LD, Ed. Bothell, Wash Easterbrooks, W. G. Soph, Eng. Pt. Townsend Easterbrooks, Adeline L ... Seattle Eaton, Dorothy Trimble, LD, LA... Seattle Eckmann, Ray L, LD, Bus.... Seattle Eckmann, Ray L, LD, Bus.... Seattle Eckmann, Stella R, UD, Sci. Yakima, Wash Ector, Phebe Payne, UD, Ed... Seattle Edades, Victorio, LD, FA... Philippines Edwards, Grace, Grad... Connersville, Ind Edwards, Glizabeth Mae, LD, LA... Seattle Edwards, Robert S, Unc, Sci. Mcrcedes, Tex Effinger, Vivian, LD, FA... Seattle Eggan, Marie Agnes, LD, Ed... Seattle Eggars, Elizabeth, Unc, LA. Bellingham, Wn Ebrlich, Dorothy, UD, LA... Seattle Eggars, Elizabeth, Unc, LA. Bellingham, Wash Eidal, Elmer O, Unc, Ed. Ellensburg, Wash Eidal, Sarah E, LD, Ed. Ellensburg, Wash Eilian, Gertrude A, UD, Ed. Doland, S.D. Elsenmann, Augusta, Grad. Nebraska City, Neb Elliott, J. Delphos, LD, Bus. Outlook, Wash Ellis, Leon Hubbard, 3rd Law Spokane, Wn Ellis, Ruth Lee, Unc, Ed... Filer, Ida Elleworth, Paul T, Grad... Seattle Elvin, Cora Florence, LA... Taconno, Wash Emwerth, Paul T, Grad... Seattle Elyen, Wintfred, Unc, LA... Taconna, Wash Emmerich, Arthur J, Spec, Ed. Portland, Ore Emerson, Donald A. Unc, Ed. Portland, Ore Emerson, Donald A. Unc, Ed. Spokane, Wash English, Elisle, Grad... Seattle Erickson, Orin H, Spec, Bus. Pocatello, Ida Ester, Laurena, Unc, Bus. Kirkland, Wash Ertikson, Orin H, Spec, Bus. Pocatello, Ida Esters, Laurena, Unc, Bus. Kirkland, Wash Ertinger, Dorothy, Grad... Seattle Ebans, Catharine Loise, UD. FA. Canby, Ore Evans, Earl Huston, Spec, Ed. Everett, Wash

Fairbanks, Adelaide, UD, LA. Yakima, Wash Falk, Winona Moore, LD, LA. Seattle Farley, Helen Marie, Grad. Seattle Farwell, Raymond Forrest, Grad. Seattle Fast, Lisette Emery, Grad. Denver, Colo Feelhaver, Carl Theodore, Unc, Sci. Seattle Fellers, Mrs. Josephine S, UD, FA. Seattle Fellers, Mrs. Josephine S, UD, FA. Seattle Ferryll, Eulaila, Unc, Sci. Seattle Ferryll, Eulaila, Unc, Sci. Marcus, Wash Ferris, Edith Lucile, LD, Sci. Seattle Ferryll, Eulaila, Unc, Sci. Marcus, Wash Ferris, Edith Lucile, LD, Sci. Seattle Ferris, Myrtle Mae, Unc, LA. Portland, Ore Fifer, & Gya L. LD, Sci. Seattle Finney, Mary Beller, Spec, Sci. Tacoma, Wn Fitzgerald, Edna May, LA. Bozeman, Mont Fitzsimmons, Leola P, Ed. Marshall, Minn Flagg, Paul McLeod, Jr, ChE. Seattle Fleenor, Mrs. Mame, UD, LA. Seattle Fleenor, Mrs. Mame, UD, LA. Seattle Fleenor, Mrs. Mame, UD, LA. Seattle Fleenor, Edith Marlon, Grad. Seattle, Wash Floyd, Ruth Marlon, Grad. Seattle, Wash Florest, Lela May, LD, LA. Portland, Ore Forbes, Grace M, Unc, Ed. Birmingham, Ala Ford, Clara Louise, Grad. Brooklyn, Michforman, Sarah P, Unc, Ed. Sirmingham, Wash Forest, Lela May, LD, LA. Seattle Foster, Charles Jacob, Unc, Ed. Seattle Frankenfield, Lorraine, Grad. Los Angeles Frankenfield, Lorraine, Grad. Seattle Frankenfield, Lorraine, Grad. Seattle Frankenfield, Lorrain Fairbanks, Adelaide, UD, LA., Yakima, Wash

Handsaker, John Theodore, Unc, Ed. Seattle Hanity, Mabel V, Spec, Sci. Chehalis, Wash Hankinson, Helen Adelaide, LD, LA. Seattle Hannan, Henryetta, Unc. Ed. Seattle Hannan, Mirlam, UD, LA.

Hanquet, Louis Charles J J, Unc. Ed. Seattle Hansen, Harry Fesenbeck, LD, Bus. Seattle Hansen, Leo, UD, Ed. Lacey, Wash Hansen, Leo, UD, Ed. Lacey, Wash Hansen, Viola, UD, LA.

Seattle Hapner, Leora M, Unc. LA. Bozeman, Mont Harris, Charles Leonard, 1st Law. Seattle Hapris, George Crab, Spec, Bus. Seattle Harris, Cornelius Hinman, LD, Bus. Seattle Harris, Cornelius Hinman, LD, Bus. Seattle Harris, Sarah Eleanor, UD, Ed. Seattle Harrison, Mary, Unc. Ed. Toledo, Ore Hartge, Lena Armstrong, Grad. Seattle Harriman, Elise Anna, Grad. Anacortes, Wash Harvey, Earle A, LD, Sci. Arlington, Wash Harvey, Earle A, LD, Sci. Arlington, Wash Harvey, Ralph A, LD, Sci. Arlington, Wash Hasch, Henry J, UD, LA. Deep Creek, Wash Hassenmiller, Kenneth L, LD, Bus. Seattle Hatch, Dorothy Lois, LA. Essondido, Cal Hatlestad, Clara, Unc. Ed. Cottonwood, Minn Hatlestad, Elmer, Unc, ME. Seattle Hauge, Philip, Grad. Parkland, Wash Haugum, Ewelyn Amy, LD, LA. Seattle Hauge, Philip, Grad. Parkland, Wash Haugum, Ewelyn Amy, LD, LA. Seattle Hauge, Edith G, LD, FA. Yakima, Wash Hawder, Edith G, LD, FA. Yakima, Wash Hawder, Edith G, LD, FA. Yakima, Wash Hay, Larry, LD, Bus. Sunnyside, Wash Hay, Marjorie, LD, Sci. Seattle Hanity, Mabel V, Spec, Sci. Chehalis, Wash Hankinson, Helen Adelaide, LD, LA. Seattle Hawley, Edith G, LD, FA. Yakima, Wash Haworth, Elizabeth, LD, Sci...... Seattle Hay, Larry, LD, Bus..... Sunnyside, Wash Hay, Marjorie, LD, Sci..... Seattle Hayden, Chauncey, Spec..... Seattle Hayden, Chauncey, Spec.... Seattle Hayden, Chauncey, Spec..... Seattle Haynal, John Budd, Sci. Walla Walla, Wash Haynes, Ross Eaton, UD, Bus. Lebanon, Ore Haynes, Stephen Bernard, Unc. Law. Seattle Hazen, Claris Madolyn, UD, Ed... Seattle Hazen, Mrs. Harrlet W, Spev Pendleton Or Hazleton, Olga Jane, LD, Sci. Spokane, Wash Head, Mrs. Sydney, Unc. Ed... Spokane, Wash Heald, Hazel V, LD, LA..... Spokane Healy, Timothy, LD, LA. Bellingham, Wash Heartfield, Mrs. Margaret, Spec. Seattle Helner, Arnold, LD, LA..... Seattle Helser, Leo Conrad, Spec, FA. Howard, S.D. Heitzman, John Herbert, Spec., Palouse. Wash Hemphill, Elizabeth, Unc. Ed.... Seattle Hemphill, Harriet, LD, FA.... Seattle Hender, Maudle, Sci.... Pomeroy, Wash Henderlite, Claude Elmer V, Grad. Seattle Henderson, Winfield L, Grad. Waterville, Wn Henricks, John Joseph, LD, Sci... Seattle Henry, Verna Isadore, Grad.... Seattle Henry, Verna M. Unc. Bus. McMinnville, Ore Herbert, Percy, Spec, Bus...... Seattle Hernandex, S C, LD, Bus... Phillippines Herner, Pauline E, UD, Bus. Portland, Ore Hermans, Wayland D. UD, Bus. Pasadena, Cal Hernandex, S C, LD, Bus. ... Philippines Herner, Pauline B, UD, Bus. .. Protiand, Ore Herr, Opal, Grad ... Seattle Herren, William Albert, LD, Bus. . Seattle Hesselgrave, Charles Everett, Grad. Seattle Hesseltine, Lee Frazelle, LD, Bus. Seattle Hibarger, Pearle, LD, Sci Yakima, Wash Hibbert, Raiph W ... Zillah, Wash Hill, Glat M, Spec. ... Indianapolis, Ind Hill, Cyril Dean, Grad ... Seattle Hill, Grace Alma, Grad ... Seattle Hill, Sidney Bryan, Unc, Law Riverside Wn Hillman, Robert Kline, Unc, Law Riverside Wn

Imes, Henry T, Grad......Tacoma, Wash Inouye, Chohei, LD, LA......Seattle Irvine, Edgar Lloyd, Unc, Bus....Seattle Irwin, John Ivan, UD, Bus....Ionia, Mo Ivy, Eugene Dyke, 3rd Law.Davenport, Wash

Jaaden, Nels, Grad......Kingston, Wash
Jacinto, Victorino, Unc, LA...Philippines
Jacobs, Mary, SpecSeattle
Jacobs, Townsend H, Jr, LD, Bus. Seattle
Jacobson, Paul M, Jr. CE, Ellensburg, Wash
Jacobson, Agnes, Unc, Sci. Spansway, Wash
Jaeger, Waldemar, LD, Ed. Centralia, Wash
James, Gordon M, LD, Sci. Tacoma, Wash
Janeway, Harold L, LD, Bus. Edmonds, Wn
Janson, Roderick, LD, Sci. Seattle
Jaques, Edna A, Grad

Jenkins, Margaret, LD, Sci.....Seattle
Jensen, Arne Sigurd, Grad. Yakima, Wash
Jensen, Marian G, LD, Sci.. Everett, Wash
Jensen, Walter Ambrose, LD, LA...Seattle
Jerbert, Arthur Budolph, Grad...Seattle
Jerpenson, Mary, LD, Bus....Seattle
Jerome, William J, LD, LA. Cashmere, Wash
Jessen, Margrette, Spec, FA. Tacoma, Wash
Johnson, Alfred Pullmon, Grad...Seattle
Johnson, Anna Bilzabeth, LD, LA. Seattle
Johnson, Florence E, LD, Sci. Bellingham, Wn
Johnson, Florence E, LD, Sci. Bellingham, Wi
Johnson, Florence E, LD, Sci. Bellingham, Wi
Johnson, Florence E, LD, LA. Covallis, Ore
Johnson, Mrs. Leta E, UD, LA. Covallis, Ore
Johnson, Mrs. Leta E, UD, LA. Covallis, Ore
Johnson, Balph C, Grad...E. Seattle
Johnson, Raymond L, LD, LA...Seattle
Johnson, Raymond L, LD, LA...Seattle
Johnson, Raymond L, LD, LA...Seattle
Johnson, Baymond L, LD, LA...Seattle
Johnson, Searna J, Spec, LA.Poulsbo, Wash
Johnson, Daniel H, Unc, Ed.Portland, Ore
Jolly, E. Nydla, LD, LA...Seattle
Jones, David John, Unc, Ed. Columbus, Mont
Jones, Gwendolen Mary, Unc. Ed. Challis, Ida
Jones, Brma J, Spec, Ed.. La Grande, Ore
Jones, Margaret B, UD, LA. Victoria, BC
Jones, Pauline, Grad....Kansas City, Mo
Jones, Raymond A, LD, Sci....Seattle
Jones, Zenith Watkins, Grad

Joud, Elsie G, UD, Sci...Seattle

King, Norris Gardner, Spec.....Seattle King, Ottis Schley, Eng.....Seattle-Kongele, Edward, UD. Bus. Pt Angeles, Wash Kraft, Warren E, LD, LA. Seattle Kralouec, George I, Grad. Auburn, Wash Kranklis, Milda, LD, LA. Seattle Kratsch, Ida Rose, Spec, Sci. Mankato, Minn Kreamer, Lena, UD, Ed. Seattle Kreisher, Harold C, LD. Bus Bremerton Krieger, George E, Fr. EE. Seattle Krogstad, Elva, UD, LA. Seattle Krogstad, Elva, UD, LA. Seattle Krogstad, Elva, UD, LA. Seattle Krogstad, Gladys, LD, LA. Seattle Krogstad, Gladys, LD, LA. Seattle Krogstad, Gladys, LD, LA. Seattle Kronfield, Eugenia, Unc, Bus. Seattle Kronfield, Eugenia, Unc, Bus. Seattle Kucera, John Paul, LD, Sci. Lacey, Wash Kulhman, Rolland E, Unc, Ed. Edwall, Wash Kuller, Avis Myra, UD, Ed Davenport Wn Kundert, Gladys, Unc, LA. Seattle Kucera, John Paul, LD, Sci. Lacey, Wash Kuller, Avis Myra, UD, Bus. China La Bossier, Indez Julienne, UD, Sci Kent Lafrance, Arthur C, LD, Bus. Hamilton, Mt Lalgo, Pablo H, LD, Sci. Philippines Lambert, Jean, Unc, LA. Seattle Lamp, Granville W, Unc, Sci. Everett, Wash Land, Perry, Jr, Phar. Seattle Landendale, Helen M, Grad. Yakima, Wash Landsburg, Bobert A, Jr, EE. Seattle Lapham, Margaret A, Unc, Ed. Tacoma, Wash Larson, Elidde G, UD, Ed. Crookston, Minn Larson, Hilda H, Unc, Ed. Weston, Ore Larson, Usela Clair, UD, LA. Seattle Lapham, Margaret M, Grad. Hayward, Wis Larson, Erderlek M, UD, LA. Stevenson, Wash Lash, Rae, Ed. Stevenson, Wash Lash, Rae, Ed. Stevenson, Wash Lathers, Olive G, Grad. Stevenson, Wash Lathers, Olive G, Grad. Stevenson, Wash Leather, Helen C, Unc, Ed. Harlowton, Mont Lawson, Maurice W, Grad. Blanchard, Wash Leather, Helen C, Unc, Ed. Blanchard, Wash Lechner, Leslie Ambrose, Grad. Seattle Lee, Frank A, UD, Sci. Seattle Lee, Hell, Land, LD, LA. Seattle Leyin, Melvin P, LD.

Lewis, Pearl. Unc. LA
Lewis, Pearl, Unc, LASeattle Lewis, Rubin, Sr, MESeattle
Lightle, Cuthbert Otto, LD, Bus Seattle
Likes, Myrton Dollard, IID, Sci. Orting, Wash
Likes, Myrton Dollard, UD, Sci. Orting, Wash Lilly, Stella Audrie, GradTacoma, Wash
Lim, Kimkok, Spec, BusChina
Lin, Fu, LD, LA
Lind, Ralph Richard, Grad. Elma, Wash
Lindberg, Edward J. Spec. Ellensburg, Wash
Lind, Ralph Richard, GradElma, Wash Lindberg, Edward J, Spec.Ellensburg, Wash Linderman, Olive, Unc. LA. Bellingham, Wash
Lindsey, Chas. A. LD. Bus Seattle
Lindsey, Chas. A, LD, Bus Seattle Lisle, Mabel, LD, Ed Seattle
Little, Dorothy Vernon, UD, SciSeattle
Littlefield, Dorothy Isabel, IID, LA., Seattle
Littlefield, Dorothy Isabel, UD, LA. Seattle Livesay, Thayne Miller, GradSeattle
Lloyd, Katherine, Sonh, ChE Seattle
Lloyd, Katherine, Soph, ChESeattle Lockerby, Desiah, LD, LASeattle
Lockerby, McCarthy Frank, Journ . Seattle
Lockwood, Edna M. Dingee, UD, Ed. Seattle
Loe, Ralph Harvey, LD, SciSeattle
Loftfield, Gabriel, GradSeattle
Loftfield, Gabriel, GradSeattle Logan, Ettie, UD, SciPortland, Ore
Logan, Katharine C. LD. LABoise, Ida
Loisel, Odiel, Unc, FA Lombardine, Herbert, LD, BusScattle
Lombardine, Herbert, LD, BusSeattle
Long, Agnes, UD, LASeattle Long, Louise Lyons, LD. BusSeattle
Long. Louise Lyons, LD. BusSeattle
Loughlen, Paul E, LD, Bus.Puyallup, Wash Lovgrin, Elvey T, UD. Ed Pt Orchard, Wn Lowe, Benjamin F, UD, Ed. Tacoma, Wash
Lovgrin, Elvey T. UD, Ed Pt Orchard, Wn
Lowe, Benjamin F. UD. Ed., Tacoma, Wash
Lowman, James Guy, Spec, EdSeattle Lowman, Vivien G. LD, LASeattle
Lowman, Vivien G. LD. LA Seattle
Lucas, Ethel E. Unc. FA Seattle
Lucas, Ethel E, Unc, FASeattle Luke, Dora M, Unc, Ed. Great Falls, Mont Lund, John Grant, LD, LASeattle
Lund, John Grant, LD, LASeattle
Lundberg, Edwin, Unc. LASeattle
Lundberg, Edwin, Unc, LASeattle Lusby, Viola Jocelyn, Unc, FASeattle
Lycette, John P. LD, LASpokane, Wash
Lyman, Bosworth Anna, Unc, SciSeattle
Lyman, Keith A. GradGresham, Or
Lynch, Julia, LD, LASeattle Lyon, Paul L, SpecSpokane, Wash
Lyon, Paul L. SpecSpokane, Wash
Lyons, May, IID, Ed.
Lyter, Dorothy, LD, LA Seattle Lyter, Helen Virgina, LD, LA Seattle
Lyter, Helen Virgina, LD, LA, Seattle
·

McAbee, Earl Whatmore, UD, LA. Seattle McAllister, Josephine, UD, LA. Seattle McAllister, Marion, Grad. Seattle McAnally, Bonnie, LD, LA. Yakima, Wash McAssey, Laura Joy, UD, Ed. Seattle McBee, Alfred, LD, LA. Seattle McBride, Kathleen, Unc, Scl. Spokane McCabe, Clair, LD, Bus. Seattle McCarthy, William George, Grad. Seattle McCarthy, William George, Grad. Seattle McCallin, Albert Lewis, Grad. Seattle McClellan, Harry Vincent, Grad. Seattle McClinton, Harold L, LD, LA. Seattle McClinton, Harold L, LD, LA. Seattle McClinton, Harold L, LD, Scl. Seattle McConaughy, Alfred, Unc, Scl. Walla Walla McConihe, Ruth Noyes, LD, Scl. Seattle McCoy, N C, Unc, Law. Castle Rock, Wash McCore, Mary H, Grad. Spokane, Wash McCollough, Charles James, Spec. Seattle McCollogh, Charles James, Spec. Seattle McDonald, Donald Trow, Fr, ME. Seattle McDonald, Donald Trow, Fr, ME. Seattle McDonald, B, Unc, FA, Wilson Creek, Wash McDonald, Gladys E, LD, Bus. Seattle MacDonald, MR, LD, Ed. Kent, Wash McDonald, Isabel R, LD, Ed. Kent, Wash McDonald, Donald N, LD, Ed. Kent, Wash McDonald, Beabel R, LD, Ed. Kent, Wash McDonald, Donald N, LD, Bus. Seattle McDonough, Otto George, Unc. LA. Seattle McDonough, Mary I, LD, Ed. Norman, Wash McDonall, Mary I, LD, Ed. Norman, Wash

McDowell, John Watson, LD, Sci... Seattle McEuen, Marshall Lee, UD, Bus....Seattle McGinness, Dorcas, Spec.....Seattle McGirr, Horace Donald, Grad ... Seattle McGivern, Margaret, LD, Ed. ... Ontario, Or McGlashan, G, Spec, FA. Big Piney, Wyom McGrew, E P, UD, Jour ... Seattle McHugh, Mary A, Unc, FA. Spokane, Wash McIndoe, W C, Grad ... Portland, Or McIntyre, Harry R, Spec, Bus ... Seattle McKay, Ellen Irene, Unc, Bus ... Mullan, Ida McKay, Ellen Irene, Unc, Bus ... Mullan, Ida McKay, Preston Fraser, LD, LA. Seattle McKay, Preston Fraser, LD, LA. Seattle McKeny, Preston Fraser, LD, LA. Seattle McKeny, Preston Fraser, LD, LA. Seattle McKeny, Or J A, UD, Ed. Bellingham, Wash MacKinnon, Marion Grace, Grad ... Seattle McKissick, Joe Carson, UD, Bus. Wallace, Ida McLain Ada Esco, UD, Ed. ... Colton, Wash McLaughlin, Gay E, UD, Sci ... Seattle McLean, Winfield Angus, UD Bus ... Seattle McLean, Winfield Angus, UD Bus ... Seattle McLead, Gladys Irene, UD, Bus. Athena, Or McLeod, Relt, Unc, Ed. ... Havre, Mont McLoney, Ella ... Portland, Or McMennus, G H, LD, Bus ... Vancouver, B C McGirr, Horace Donald, Grad.....Seattle

Maus, Mrs Mildred Palmer, Unc, Ed Seattle
Maxwell, Gertrude, GradWalla Walla, Wash
Maxwell, Nelle, Spec, SciShelton, Wash
Maxwell, Willard, LD, BusSeattle
Mayes, Eviyn, LD, SciSeattle
Meskatroth Crl Walson ID Pug South
Medier onice Adelaide I.D. Rus Seettle
Mahner, T M. LD. Ed Bremerton, Wash
Meisnest, Frederick H. UD, Fish Seattle
Melcher, Clara B, Unc, LALoomis, Wash
Meldrum, Helen Scott, Grad Spokane, Wash
Mendenhall, Ethel, LD, LAOil Hill, Kan
Meeneely, Alexander Howard, UD, LA. Seattle
Mencier Teenie Aimes Grad Peris France
Merriam, Sherman Lee, UD, Ed Seattle
Merritt, Fred Warren, UD, FA Seattle
Metcalf, Gladys, GradPortlnd, Or
Meyer, Ambrose J, UD, SciLacey, Wash
Meyer, Edward Albert, LD, Bus Seattle
Meyer, John D, GradHarrington, Wash
Meyer, May E, UD, LASeattle
Meyer, Walter Charles, Unc, Sci
Michen Marie Antoinette Grad Seattle
Michels, N. L. Unc. BusOregon City. Or
Middleton, Keith C. UD. BusSeattle
Mielke, Freda, Spec, SciSwanville, Minn
Mifflin, Wesley, 1st LawSeattle
Milan, Carey Harris, Unc, Ed. Poulsbo, Wash
Miles, Mrs Cornella S, GradDenver, Col
Miles, William Avelyn, GradUntario, Or
Miller, Mrs Elsie M .UD. Sci Seattle
Miller, Elveta Leone, UD, Ed Seattle
Miller, Ethel Adella, UD, Bus. Yakima, Wash
Miller, Helen, Grad
Miller, Hermn B, UD, Bus. Spokane, Wash
Miller, Max Carlton, LD, LA. Everett, Wash
Miller, Roy Charles, 3rd LawSeattle
Millett Genericus I. Has EA Souttle
Mills, Olive, SpecPark River, N D
Mills, Abbie, E. Unc. Bus. Bellingham, Wash
Milot, John A, LD, LAStockett, Mont
Minnis, Marjorle Elizabeth, GradSeattle
Minton. Harriet, Unc. LASeattle
Mitchell, L Lillian, UD, Ed. Corwith, 10wa
Mor, Harriett Ida, Ode, Sci Jacoma, Wash
Mos Olay T Spac Due Ballingham Wash
Moe, Oley J, Spec, Bus. Bellingham, Wash Mohr Exther Grad Seattle
Moe, Oley J. Spec, Bus. Bellingham, Wash Mohr, Esther, GradSeattle Monk, Edith May, Unc. Ed. Waterman, Wash
Moe, Oley J, Spec, Bus. Bellingham, Wash Mohr, Esther, GradSeattle Monk, Edith May, Unc, Ed. Waterman, Wash Monro, Adell Bradir, Unc. LASeattle
Moe, Oley J, Spec, Bus. Bellingham, Wash Mohr, Esther, GradSeattle Monk, Edith May, Unc, Ed. Waterman, Wash Monro, Adell Bradir. Unc. LASeattle Montague, Frances, LD, Ed. Eberett, Wash
Moe, Oley J. Spec. Bus. Bellingham, Wash Mohr, Esther, GradSeattle Monk, Edith May, Unc, Ed. Waterman, Wash Monro, Adell Bradir, Unc. LASeattle Montague, Frances, LD, Ed. Bbertt, Wash Monteagle, Vera Marie. UD, EdSeattle
Moe, Oley J. Spec. Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J, Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J, Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J, Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J, Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J, Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J, Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J, Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J, Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J. Spec. Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J, Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J, Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J. Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J. Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J. Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J. Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J. Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J. Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J. Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Moe, Oley J. Spec, Bus. Bellingham, Wash Mohr, Esther, Grad
Maxwell, Nelle, Spec, Sci Shelton, Wash Maxwell, Willard, LD, Bus Seattle Mayes, Eviyn, LD, Sci Seattle Meckatroth, Crl Walace, LD, Bus Seattle Meckatroth, Crl Walace, LD, Bus Seattle Medler, ouisa Adelaide, LD, Bus Seattle Medler, ouisa Adelaide, LD, Bus Seattle Melcher, Clara B, Unc, LA Loomis, Wash Melsmeat, Frederick H, UD, Fish Seattle Melcher, Clara B, Unc, LA Loomis, Wash Mendenhall, Ethel, LD, LA Oill Hill, Kan Meeneely, Alexander Howard, UD, LA. Seattle Mentzer, Cyrus J, LD,Ed Tacoma, Wash Merder, Jeanie Almee, Grad Paris, France Merriam, Sherman Lee, UD, Ed Seattle Mentzer, Cyrus J, LD,Ed Tacoma, Wash Meyer, Jeanie Almee, Grad Paris, France Merriam, Sherman Lee, UD, Ed Seattle Metcalf, Gladys, Grad Portlind, Or Meyer, Ambrose J, UD, Sci Lacey, Wash Meyer, John D, Grad Harrington, Wash Meyer, Walter Charles, Unc, Sci Seattle Meyer, Walter T, Unc, Ed Ferndale, Wash Miles, Marie Antolnette, Grad Seattle Michels, N L, Unc, Bus Oregon City, Or Middleton, Keith C, UD, Bus Seattle Miles, Mrs Cornelia S, Grad Denver, Col Miles, Wilma Erelyn, Grad Ontario, Or Miller, Chas John, UD, Bus Seattle Miller, Chas John, UD, Bus Seattle Miller, Elveta Leone, UD, Ed Seattle Miller, Elveta Leone, UD, Ed Seattle Miller, Elveta Leone, UD, Ed Seattle Miller, Hernn B, UD, Sci. Seattle Miller, Hernn B, UD, Sci. Seattle Miller, Grad

Nagel, Julius A, Spec....Oata Harbor, Wash Nagle, Elizabeth, Spec.....Yakima, Wash Nagle, Mary A, Unc, LA.. Los Angeles, Cal Nagler, Russell A, UD, Sci...Yakima, Wash Nagle, Russell A, UD, Sci...Yakima, Wash Nagley, John H, Spec, Ed.. Eatonville, Wash Nason, Mae Blanch, LD, Sci...Walsenburg, Coi Nave, Samuel A, Grad... Bellingham, Wash Neary, Raymond, LD, Sci... Lacey, Wash Neicken, Anna M, Unc, Ed... Portland, Or Neighbor, Emily, Grad... Seattle Nelson, Eleanor, Unc, LA... Seattle Nelson, Eleanor, Unc, LA... Seattle Nelson, Ellanor, Unc, Sci. Bellingham, Wash Nelson, Loyd Edward, LD, Bus... Seattle Nelson, Hillard Ned, Soph, ChE... Seattle Nelson, Hillard Ned, Soph, ChE... Seattle Nelson, Thelma K, Unc, Bus... Wapato, Wash Netson, Thelma K, Unc, Ed. Kirkland, Wash Nettleton, Marle, Loone, UD, Bus... Seattle Nelson, Thelma K, Unc, Ed. Kirkland, Wash Nettleton, Marle, Unc, Ed. Kirkland, Wash Nichols, Harold, LD, Sci... Seattle Nicholson, Marion, Spec... Olympia, Wash Nichols, Harold, LD, Sci... Seattle Nicholson, Marion, Spec... Victoria, B C Nichlo, Masso Frank, Soph, EE... Seattle Nishiwaki, Nobuo, Unc, LA... Japan Noble, Annabelle, Ed... Aberdeen, Wash Nodle, Mamle, Spec. Bus... Oakville, Wash Nolle, Mamle, Spec. Bus... Oakville, Wash Nolle, Mamle, Spec. Bus... Oakville, Wash Nollan, Michael John, Soph, CE... Seattle Nolan, Frank H, Spec... Bremerton, Wash Norris, Grace, Unc, Ed.. Burlington, Wash Norris, Ralph Hall, LD, Bus... Seattle Noton, Robert, Unc, Law. Olympia, Wash Norron, Ralph Hall, LD, Bus... Seattle Noton, Robert, Unc, Law. Olympia, Wash Norvood, Helen E, Unc, FA... Seattle Noton, Robert, Unc, Law. Olympia, Wash Norvood, Helen E, Unc, FA... Seattle Noton, Robert, Unc, Law. Olympia, Wash Norvood, Helen E, Unc, FA... Seattle Noton, Robert, Unc, Law. Olympia, Wash Norvood, Helen E, Unc, FA... Seattle Noton, Robert, Unc, Law. Olympia, Wash Norvood, Helen E, Unc, FA... Seattle Not

Oakes, Ruth E, LD, Sci......Seattle O'Brien, John Jennings, Unc, Law...Scattle O'Callaghan, V, Unc, FA...Bonners Ferry, Ida Odle, M Frank, Unc. Ed...Bellevue, Wash Olmsted, Marion C, UD, Ed...Clarkston, Wash Olney, Mrs Bertha, Unc, FA.....Seattle

Oisen, Amos Floyd, LA Bus. Davenport, Wash
Olsen, Franklin E, Unc, Bus. Tacoma, Wash
Olsen, Leah Ingeborg, Unc. LA. Tacoma, Wash
Olson, Carl Jr. Unc, LASeattle
Olson, Irwin Stanley, Grad Alberton, Mont
Olson, Marguerite, UD, Ed Tacoma, Wash
Olson, Raymond E. LD Sci. Boulder, Mont
Olwell, Eugene Edward, LD, usSeattle
O'Neal, Harold Elmo, LD, Sci. Yakima, Wash
O'Neill, Agnes V, UD, Ed Spokane, Wash
O'Neill Larkin A, UD, BusSeattle
Ong, Emma Zella, LD, FASeattle
Opper, Anna Marie, Unc, Ed
Orosa, Jose, LD, BusPhilippines
Orr. Paul J. UD. EdRedmond, Or
Orr, Robert L. Spec, EngPortland, Or
Osborn, Fern Marie, LD, FA. Gooding, Ida
Osborn, Glenn J. Unc. Ed Thorp, Wash
Oscar, Orland A, LD, Bus
Osgniack, John A. UD, LA Lacey, Wash
Ostensen, Floyd C. LD. Sci. Bremerton, Wash
Ostrunder, Ruth Elizabeth, UD, Sci. Seattle
Oury, Maynard W, Unc, EdAugola, Ind
Overguard, Julia O. Unc. SciSalem, Or
Overman, Marion Gray, GradSeattle
Owen, Elizabeth Hayden P. Grad Seattle
Owsley, Joseph H. Sr. EE Seattle
Oxman, John Donald, Unc, Law. Jameison, Or

Packard, A Henry, Grad.....Seattle
Page, Elvie Belle, Grad.....Olympia, Wash
Palacol, Augustine P, Unc, LA. Philippines
Palmer, Mrs M, Unc, Ed. Centralia, Wash
Parish, Herbert F, LD, Bus Seattle
Park, Wallacs George LD, LA...Seattle Palmer, Mrs M. Unc, Bd. Centralia, Wash Parish, Herbert F, LD, Bus. Seattle Park, Wallace George LD, LA. Seattle Parrsons, Elvey Tillman, Grad. Seattle Parsons, Elvey Tillman, Grad. Seattle Patchell, Jewel, Grad. Pauls Valley, Okla Patchin, Wilbur H, Grad. Seattle Patterson, Hiram S, 1st Law. Seattle Patterson, Hiram S, 1st Law. Seattle Patterson, Evelyn, UD, FA. Seattle Patty, Frank Arthur, Grad. Seattle Patty, Frank Arthur, Grad. Seattle Patty, Frank Arthur, Grad. Seattle Patused, Oswald Edward, LD, Ed. Seattle Pearson, Della M, Unc, Sci. Entiat, Wash Pearson, Della M, Unc, Sci. Entiat, Wash Pearson, Della M, Unc, Sci. Entiat, Wash Pearson, Della M, Unc, Gr. Seattle Pelz, Freda Elizabeth, LD, Bus. Seattle Pelz, Freda Elizabeth, LD, Sci. Seattle Pelz, Freda Elizabeth, LD, Sci. Seattle Pelz, Victor Hugo, UD, LA. Seattle Pelz, Victor Hugo, UD, LA. Seattle Peringer, Cecil J, Grad. Bellingham, Wash Perkins, Georgia Yose (Mrs) Grad. Seattle Perkins, Julian F, Unc, Bus. Tacoma, Wash Perry, Mary Agnes, UD, LA. Tacoma, Wash Perry, Mary Agnes, UD, LA. Tacoma, Wash Peterson, Agnes C, LD, LA. Moscow, Ida Peterson, Inez Helena, UD, LA. Seattle Peterson, Lot C. Spec Ed. Renton, Wash Peterson, Sophie, Spec, LA. Seattle Peterson, Tiliman, Grad. Seattle Peterson, W R, LD, Sci. Port Blakely, Wash Petty, Gladys, UD, LA. Centralia, Wash Petty, Gladys, UD, LA. Seattle Proski, Lawrence, LD LA. Lacey, Wash Petty, Gladys, UD, LA. Seattle Proski, Lawrence, ED LA. Seattle Proski, Lawrence, ED LA. Seattle Proski, Lawrence, ED LA. Seattle Profit, Lovina, Unc, Ed. Havre, Mont Phillips, Ruth Naomi, Grad. Seattle Philer, Mande, Unc, Ed. Havre, Mont Phillips, Ruth Naomi, Grad. Seattle Pickering, Jack Charles, Unc, Ed. Seattle Pierce, Aliene Edna, UD, Ed. Seattle Pierce, Aliene Edn

Quass, Harry P, Unc, Phar...Spokane, Wash Querll, Chusten Foss, LD, Sci.Tacoma, Wash Quigley, Anna, UD, Ed.....Tacoma, Wash Quigley, Anna M, UD, Ed...Yakima, Wash Quigley, Clareuce Black, LD, Bus...Seattle

Robertson, Colin W, Unc, Bus.... Seattle Robertson, James, Jr, Spec, Eng... Seattle Robertson, Katherine Constance, Grad. Seattle Robinson, Bessle M, Grad... Portland, Ore Robinson, Bessle M, Grad... Portland, Ore Robinson, Brank D, LD, Bus.. Summer, Wash Robinson, Mrs Jeanne A, LD, Bus.. Seattle Rockwell, John Jr, UD, Bus. Castle Rock, Wn Rodgers, Elizabeth J, Grad... Bandon, Ore Rodman, John F, Spec.... Nampa, Ida Roc, Merle John, Unc, Bus... Seattle Rohl, M, Spec, Bus. Colorado Springs, Colo Rohrbacher, Mrs. Willie Annie, Spec. Seattle Romischer, William, Soph, Mines... Seattle Rope, Milford William, LD, Ed... Seattle Rope, Irl, Grad......... Roper, Marion Wesley, UD, Ed... Seattle Rosen, Hilda F, UD, Sci... Monroc, Wash Rosendahl, Ily, LD, Ed... Seattle Ross, Laurs, Grad........ Salem, Ore Rossiter, Harriet, Unc, LA Ketchikan, Aka Roth, Robert, LD, Sci...... Seattle Royce, Ruby J, LD, LA...... Seattle Royce, Ruby J, LD, LA....... Seattle Royce, Ruby J, LD, LA....... Seattle Ruch, Frances Elnora, UD, Sci Keltogs, Ida Ruch, Lawrence Edwin, Spec. Applegate, Ore Rude, Chester A. Spec... Whitefish, Mont Rude, Hazel Irene, Unc, Bus.... Seattle Rupp, Thelma M, UD, Sci S. Isnohomish, Wash Russell, Florence Margertta, UD, LA. Seattle Rupp, Thelma M, UD, Sci S. Isnohomish, Wash Russell, John B, UD, Ed... Seattle Russell, John B, UD, Ed. Puyallup, Wash Rustehl, John E, LD, Sci..... Seattle Ryan, Esther, Unc, FA. LaGrande, Ore Ryan, John E, LD, Sci..... Ryan, Grant Hall, Fr, ChE... Denver, Colo

Salmons, Arlie Margaret, Grad. Columbia, Mo Salman, George T, Spec, Bus.....Seattle Sams, Kate J, Unc, LA.. Kansas City, Mo Sams, Mary D, Unc, LA.. Kansas City, Mo Sammelson, B A, UD, Ed.. Pt. Roberts, Wn Sanders, Floyd, LD, Bus......Seattle Sanderson, Bess C, Spec. Vancouver, Wash Sanderson, Mongin E B, Unc, LA. Victoria, BC Sanderson, David Honey, LD, LA. Seattle Sanderson, Bess C, Spec. Vancouver, Wash Sanderson, Mongin E B, Unc. LA. Victoria, BC Sandstrom, David Henry, LD, LA. Seattle Sandvigen, Gilbert T, Fr, Eng. Seattle Sandvigen, Gilbert T, Fr, Eng. Seattle Sanford, Edith M, Unc, Sci. Post Falls, Ida Sangster, Carl U, UD, Ed. Mt. Vernon, Wash Santee, Eva, Unc, LA. Vancouver, Wash Santee, Loseph F, Spec. Buena, Wash Sato, Teizo, LD, Bus. Seattle Savage, John Louis, UD, Ed. Great Falls, Mt Sayles, Frank Wells, LD, Bus. Seattle Schaefer, Olga, Spec. Sci. Vancouver, Wash Schenkar, Joseph LD, Sci. Seattle Schmidt, Bron, Soph, ChB. Seattle Schmidt, Ronald Frederick, UD, Bus. Seattle Schmitt, Margaret Frances, LD. LA. Seattle Schmitt, Margaret Frances, LD. LA. Seattle Schnitt, Margaret Frances, LD. LA. Seattle Schnitt, Margaret Frances, LD. LA. Seattle Scholl, Suzanne, LD, Bus. Seattle School, Suzanne, LD, Bus. Seattle Schock, Ethel Grace, UD, FA. Okanogan, Wn Schotfield, Mary Gwendolyn, LD, LA. Seattle Schock, Ethel Grace, UD, FA. Okanogan, Wn Schukneet, Leeland H T, Spec. Hood River, Ore Schureman, Charles A, Jr., Spec. Saybrook, Ill Schusman, Richard J, LD, LA. Snoqualmie, Wn Schotte, Erma G, Unc. National Ctiy, Calif Scordan, Louise Margaret 2nd Law. Seattle Scott, Agnes E, LD, LA. Yakima, Wash Scott, Elizabeth G. LD, LA. The Dalles, Ore Scott, Frank William, LD, Bus. Seattle Scott, Harlon Helen, UD, Bus. Tacoma, Wash Scott, Violet, Unc, Sci. Seattle

Snyder, Harold A, Fr, Eng. Edmonds, Wash Snyder, Ida Mae, Unc, Ed.Rochester, Minn Sowder, A M, Fr, For...Cocur d'Alene, Ida Sparks, Percy S, Grad...Oregon City, Ore Sparling, Robert, Spec, Ed. Vancouver, BC Spaulding, David Leland, Unc, Law. Seattle Spaulding, Emilie T, Unc, Bus. Yakima, Wash Speer, Ernest D, Grad. North Bend, Wash Speer, Minerva L. UD, Ed...Everett, Wash Spencer, Ralph Wellington, Soph, CE. Seattle Spencher, Tessie Vera, LD, Ed...Seattle Sperling, Otto T, LD, Sci...Spokane, Wash Spieseke, Daisy Marletta, Grad. Seattle Sprague, Faye G, Unc, FA....Seattle Sprague, Hollister Thompson, Grad. Seattle Sprague, Hollister Thompson, Grad. Seattle Springer, Maurice E, UD, Bus. Olympia, Wash Stallard, King T, Fr, Eng. Greenacres, Wash Stallings, Adeline May, UD, LA...Seattle Stanley, Claude Raymond, Spec...Seattle Starin, Joseph, UD, Bus......Seattle Sowder, A M, Fr, For... Coeur d'Alene, Ida Swearingen, Hazel M, Grad.Great Falls, Mt Sweeney, Frank E, Unc, Bus.....Seattle Sweet, Helen Eliza, Grad......Seattle Swenson, Elaine Isabelle, LD, FA. Seattle Switz, Charlotte, Unc, Ed...Redlands, Cal Symington, Edith C, Grad.St. Louis, Mo Symington, Robert C, Spec. St Louis, Mo

Tinch, Edwin Andrew, Spec. FA. Seattle Trodd, Gertrude Evelyn, Grad. Pocatello, Id Tolman, J. Everett, Unc. Ed. Salem, Or Tomas, Nicanor, UD. Bus. Philippines Toner, Martin E, Unc. LA. Lacey, Wash Topping, Willard F, UD. LA. Seattle Torland, Paul. Unc. Sci. Seattle Tower, Pearl Adell, Grad. Seattle Tower, Pearl Adell, Grad. Seattle Towne, Frances Allen, Unc. Ed. Seattle Towne, Frances Allen, Unc. LA. Seattle Towne, Arthur H. LD, LA. Carroll Wash Towne, Eleanor Mitchell. Grad. Seattle Towne, Myrtle, UD. Ed. Darrington, Wash Townsend, Arthur C. Spec, Bus. Seattle Travis, Mrs Ethel H. UD. FA. Arcadis, Mich Trawick, Margaret P, UD, LA Opelika, Ala Trempe, Louis A, Grad. Winslow, Wash Troth, Dennis C, Grad. Seattle Trother, George, Spec. Marysville, Wash Trow, Arthur Palmer, Grad. Seattle Troy, Harold Preston, LD. Bus Olympia. Wn Troy, Halen, LD, LA. Juneau Alaska Tubbs, Ray V, UD, Sci. Adrian, Mich Tuck, Joseph, UD, Bus. China Tufts, Annabel, Unc. Ed. Yakima, Wash Turinsky, Angeline, Unc. LA. Seattle Turnblad, Magnus Harold, LD, LA. Seattle Turnblad, Magnus Harold, LD, LA. Seattle Turnblad, Magnus Harold, LD, LA. Seattle

Turnbull, Fred A, UD, Ed.Skyhomish, Wash Turner, Herbert Clair, UD, Bus...Seattle Turner, Lloyd Edwin, Grad..Spokane, Wash Turner, Theodore Sheldon, Grad...Seattle Turner, G V, LD, Bus..Mt. Vernon, Wash Turpin, Harold Lester, UD, Bus...Seattle Turtle, Hazel Jane, LD, FA.....Seattle Twinam, Louise E, Grad, Walla Walla, Wash Twohy, Marguerite, Unc, Sci.....

Uhrick, Mrs. Helen Ball, Unc, LA. Seattle Umbaugh, Harriet Pearl, Grad...Bend, Or Underhill, Walter Morton, Spec, Butte, Mont Underwood, Carl S, Grad. McLeansboro, Ill Underwood, Hugh Coleman, Jr, BB. Seattle Unis, John Waldemar, Grad... Seattle Upton, Marietta, LD, Jour... Seattle Upton, Thomas George, LD, LA... Seattle Uyeda, Takashi, Fr, EB... Seattle

Wafer, Mary Barbara, Unc, Ed..... Seattle Waite, Netta Marguerite, Grad... Seattle Waite, Netta Marguerite, Grad... Seattle Walnwright, Mary T., Grad.Tacoma, Wash Wakefield, Carol, UD, LA. Anscortes, Wash Walker, Ernest Kenenth, LD, Sci... Seattle Walker, Maude E, Unc, Ed... Seattle Walker, Roberts Louise, Unc, FA... Seattle Walker, William Burwell, LD, LA. Seattle Walker, William Burwell, LD, LA. Seattle Wall, Mrs Loula Asbury, Spec... Seattle Wallace, Cecil, Spec.... Olympia, Wash Walsac, Cecil, Spec.... Olympia, Wash Walsac, Chen-Han, Spec... Seattle Walter, Harold John, Unc, LA. Pueblo, Col Wang, Chen-Han, Spec, Bus... China Ward, Victor, LD, Büs... Sank Wash Warren Frank Furniss, Unc, LA. Seattle Warren Paul Christopher, Grd... Seattle Warren, Paul Christopher, Grd... Seattle Warson, Paul Christopher, Grd... Seattle Waston, Anna Elizabeth, Grad... Seattle Watson, Anna Elizabeth, Grad... Seattle Watson, Elizabeth Davis, LD Sci... Seattle Watson, George, Spec, Bus... Seattle Watson, William Harris, Jf, EE. Seattle Watson, William Harris, Jf, EE. Seattle Watt, James Graham, Soph, ME. Seattle Web, Estelle Berkley, UD, Bus... Seattle Web, Estelle Berkley, UD, Bus... Seattle Webster, Bethuel M, Jr. Unc, Denver, Col Welde, Ella Anna... Twin Bridges, Mont Weingarten, Harry, Spec... Seattle Wendle, Ella Anna... Twin Bridges, Mont Weingarten, Harry, Spec... Seattle Wendle, Ella Anna... Twin Bridges, Mont Weingarten, Harry, Spec... Seattle Wendle, Ella Anna... Twin Bridges, Mont Weingarten, Harry, Spec... Seattle Wendle, Ella Anna... Twin Bridges, Mont Weingarten, Harry, Spec... Seattle Wendle, Ella Anna... Twin Bridges, Mont Weingarten, Harry, Spec... Seattle Wendle, Ella, Anna... Twin Bridges, Mont Weingarten, Harry, Spec... Seattle Wendle, Ella, Anna... Twin Bridges, Mont Weingarten, Harry, Spec... Seattle Wendle, Ella, Anna... Twin Bridges, Mont Weingarten, Harry, Spec... Seattle Wendle

Werner, Oscar B, LD, Bus ... Seattle West, Alice, Spec ... Fruitland, Ida Wester, Lucile, Spec ... Freamo, Cal Westerberg, Imar S, Grad ... Tacoma, Wash Westfall, Mrs Lenore, Spec ... Seattle Weston, Nellie Charlotte, Livingston, Mont Wheaton, M E, UD, FA .. Bellingham, Wash Wheeler, Chette May, Spec ... Seattle Wheeler, Marshel Earl, Spec ... Bus ... Seattle Wheeler, Opal Irene, Unc. FA ... Superior, Wis Wheelock, Ernest Eugene, Spec ... Seattle Wheelon, Burton Jones, 1st Law ... Seattle Whitcomb, Alice E, UD, Ed ... Seattle Whitcomb, Alice E, UD, Ed ... Seattle Whitcomb, Alice E, UD, Ed ... Seattle White, Alice C, Unc, LA ... Kallspell, Mont White, Miss Carroll, Unc. Ed ... Seattle White, Frances Caroline, UD, LA ... Seattle White, Frances Caroline, UD, LA ... Seattle White, Frances E, Unc. FA ... Yakima, Wash White, Marle, LD, LA ... Lellingham, Wash White, Marle, LD, LA ... Seattle Whiteneck, Hosea A, Grad ... Panaca, Wash Whitney, Jessie Losey, Spec ... Whittier, Lyman Kenyon, Unc. BA ... Seattle Wild, Ida Carol, Grad ... Waupaca, Wis Wein!r, Isrel Taradal, LD, Scl. ... Seattle Wildy, Bisle Louise, Spec ... Victoria, B C Wilby, William John, Grd ... Victoria, B C Wilby, William John, Grd ... Victoria, B C Wilby, William John, Grd ... Victoria, B C Wilby, William Shamay L, LD, Ed ... Seattle Williams, Grace Myrtle, Spec ... Filer, Ida Williams, Grace Myrtle, Spec ... Filer, Ida Williams, Grace Myrtle, Spec ... Filer, Ida Williams, Grace ID, LA ... Seattle Wilson, Emma, Spec, Ed ... Wilson, Frances Imogen, UD, LA ... Seattle Wilson, Emma, Spec, Ed ... Wilson, Frances Imogen, UD, LA ... Seattle Winchester, Jessie H, Grad ... Naselle, Wash Williams, Grace, LD, LA ... Seattle Winchester, Jessie H, Grad ... Naselle, Wash Williams, Grace, LD, LA ... Seattle Winchester, Jessie H, Grad ... Seattle Winch

Yates, Dewey, LD. Bus.....Seattle Ybojos, Marcelino, Unc, Bus....Philippines

Yenney, Anne	Gertrude,	Unc. Ed	Seattle
Young, Arthur	B, LD, B	usStanv	rood, Wash
Young Caroly	8, Unc, 1	EdY al	kima Wash
Young Mae A	leline Unc,	Bus	Astoria, Or
Young, Wesley	George,	Grad	Seattle

Young, William W, UD, Ed...Renton, Wash
Zee, Chung, LD, Bus......
Zener, Carlos Ralph, UD, Bus.....
Zimmerman, Chloe Anice, Grad.Sapulpa, Okla

PUGET SOUND BIOLOGICAL STATION—1921

Norrington, Annie Edmonton, Alta Park, Helen Altowa, Kan Park, Marie Altowa, Kan Park, Marie Altowa, Kan Park, Marie Altowa, Kan Park, Marie Everett Everett Patterson, Rachel E Everett Pelluet, Dixle Edmonton, Alta Pepper, Echo D. Seattle Plympton, Alice B Portland, Ore Rankin, Oscar H. Moscow, Ida Reuter, Alexia Seattle Rowles, Emmett Minneapolis, Minn Smith, Catharine W Puyallup Snooks, Harry B Stockton, Cal Stewart, Emma Jo Portland, Ore Thomas, Lyell J. Urbana, Ill Thompson, David H Urbana, Ill Towler, E D LeGrande, Or Tweeddale, Martha Minneapolis, Minn Warner, Edith Ruth Seattle Warner, William R Seattle Wells, Wayne W Marshfield, Or Wentworth, Margaret Seattle Young, Dorothy Seattle

SHORT COURSE IN FISHERIES—1922

Ausman, Joseph M	Scattle
Burr, J B New Westminster	r. B C
Casperson, NewtKetchikan,	Alaska
Dybwad, Peter F	Seattle
Green, P H	
Halleran, Martin P	Seattle
Halvorson, Louis KSulzer,	
Hansen, Karl A S	
Hansen, MagnusJuneau,	

Hofstad, Ottar. Seattle
Kelly, Ira W. Seattle
Lee, Sigurd S. Seattle
Lysnes, Joseph M. Seattle
MacKenzie, J A. Vancouver B C
Norman, George Seattle
Olsen, John Bernard Nome, Alaska
Rosenberg, Einar Seattle

SHORT COURSE IN FORESTRY-1922

Berry, Carl M	Seattle
Brokenshire, Wesley J	San Jose, Cal
Chadwick, Fred S	
Goodwillie, H R	Portland, Or
Lawler, James	.Vancouver B C
Lulgate, Robert	Leavenworth
Manson, A Barl	Seattle

 Meigs, Samuel G...
 Yakima

 Overton, Herbert E...
 Olympia

 Palethorpe, G. G...
 Nelson, B. C.

 Wriht, George R...
 Chelan

 Waddington, Arthur H...
 Nanaimo, B. C.

 Younie, John...
 Vancouver, B. C.

WINTER MINING SESSION—1922

Anderson, Hjalmar ASeattle	٠
Brown, Marshall WSeattle	ż
Costello, Robert CIndependence, Kar	ı
Culver, Ernest GElbe	ŧ
Elder, Robert AMiles City, Mont	È
Eyerdam, HerbertSeattle	
Geringer, John CSeattle	
Griffin, Ross ASeattle	
Johnson, Frederick RSeattle	

Kern, Frank J.

Lottsfeldt, Ernest T. Seattle
Paschall, Benjamin S. Seattle
Peterson, Karl Seattle
Prescott, J H. Seattle
Rees, David Seattle
Stewart, Horatio Albert Seattle
Taylor, Martin S. Weiser, Ida
Teig, Clifford Seattle

SUMMARY OF ENROLLMENT 1921-1922

By Schools and Colleges

		SILM	MER (TIA DA	TP D		ATT	UMN	Wi	NTER	SPI	UNG			
SCHOOLS AND	1st			nd T. TOTAL		TAL	QUARTER		QUARTER		QUARTER		TOTAL		
Colleges			1	2		8		4		1 5		1 6		7	
Graduate		301		284		845		191	· · · · · ·	185	_	187	i	247	
Men	129		126		152		103	,	100		100		144		
Women	172		108		193		88	ľ	85		87		108		
Liberal Arts		339	i	282	i	875		1156	İ	1221	1	1165	1	1388	
Men	103	-	99		125		394		428		417		499		
Women	236		188		250		762		798	i	748		889		
Science		234		222	١	245		503		494		485		571	
Men	96		92		99		190		204		209		249		
Women	138		180		146		313		290		276		322		
Bus. Admin.		305		275	۱	807		1086		1185		1038		1283	
Men	247		228		248		923	1	969		893		1102		
Women	58		47		59		163		166		145		181		
Education		327	٠	245		377		204	.	282	٠.,	206		266	
Men	110		100		117		48		51		43		59		
Women	217	72	145	70	260	74	156	040	181	675	163	586	207	740	
Engineering	72	72	70	70	73	74	642	648	674	619	585	980	746	748	
Men	12		10		1 13		1		1		1		2		
Fine Arts		101	l	88		102	-	337	-	847		317	~	892	
Men	9	101	9	00	9	102	53	001	61	071	58	OLI	72	002	
Women	92		79		93		284		286		259		320		
Fisheries	93	8	۱ ''	8	1 00	8	204	21	200	35	200	21	1 320	30	
Men	7	0	7	•	7	•	21	21	35	00	21	2	80	30	
Women	i		l i		i						~~		1 00		
Forestry	-	5		4	1 -	5		102	i	184	ł	100	ł	119	
Men	5	·	4	-	5	•	101	-02	134	101	99		118		
Women			-		1 "		lii		-01		ľi		1		
Journalism		18	i	12	l	13	-	31	ł	29	_	24	-	33	
Men	5		4		5		18	-	20		16		20	•	
Women	8		8		8		13		9		8		18		
Law	_	51] -	51	1 -	52		137	"	181	`	126		138	
Men	49		49	-	50		131		125		119		181		
Women	2		2		2		6		6		7		7		
Library Sci		4	ĺ	3		4	ĺ	8		10		4		11	
Men			ļ	•			2		1		1		2		
Women	4		3		4		6		9		8		9		
Mines		7	1	7	ı	7	l	70		88	· ·	54	1	78	
Men	7		7		7		70		83		54		73	-	
Pharmacy		15	_	12		16		107		98	١.	99	i _	111	
Men	12		9		12		72		66		69		76		
Women	3		8		4		35		27		80		35		
Total	1 1	1782	1 1	1518	1 1	1980	l	4596	i -	4804	1 _	4412	1	5410	

Note.—Columns 1, 2, 4, 5, and 6 represent census figures—i.e. the enrollment taken on a stated day within the first month of a term or quarter. Columns 3 and 7 show figures representing the number of individuals; column 3 the number registered during the summer quarter, column 7 the number registered during the regular academic year. For comparison with other institutions the figures in columns 3 and 7 should be used, as these are the customary catalogue figures.

SUMMARY OF ENROLLMENT 1921-1922

BY CLASSES

		MER QUAL		AUTUMN	WINTER	SPRING		
	1st T.	2nd T. Tota		QUARTER	QUARTER	QUARTER	TOTAL	
CLASSES	1	2	3	4	5	6	7	
Graduates	301	234	345	191	185	187	247	
Men	129	126	152	103	100	100	144	
Women	172	108	193	88	85	87	103	
Seniors	287	271	314	495	661	704	822	
Men	136	137	150	271	345	379	457	
Women	151	134	164	224	316	325	865	
Juniors	350	351	448	886	928	919	1100	
Men	160	180	176	531	557	570	655	
Women	190	171	272	355	871	849	445	
Sophomores	387	261	358	1179	1872	1192	1414	
Men	191	161	197	749	(880	747	907	
Women	146	100	161	430	492	445 ·	507	
Freshmen	335	289	259	1691	1465	1282	1599	
Men	145	112	181	1015	890	724	958	
Women	190	127	128	676	575	508	641	
Specials	172	157	206	154	193	178	228	
Men	80	88	103	137	179	164	200	
Women	82	69	103	17	14	14	28	
Total	1782	1513	1930	4596	4804	4412	5410	

TOTAL STUDENTS IN RESIDENCE

			year	
Deduct	summer	quarter	duplicates	7840 709
				6631

EXTENSION STUDENTS

Correspondence 218 Men 218 Women 840 Extension Classes 1 Men 310 Women 788	
Total Extension	1001

NOTE.—The Extension Service enrolls students at any time during the twelve months. The figures given indicate the number actually studying by correspondence, or in extension classes during some part of the year beginning July 1, 1921.

Norn.—Columns 1, 2, 4, 5, and 6 represent census figures—i.e. the enrollment taken on a stated day within the first month of a term or quarter. Columns 3 and 7 show figures representing the number of individuals; column 3 the number registered during the summer quarter, column 7 the number registered during the regular academic year. For comparison with other institutions the figures in columns 3 and 7 should be used, as these are the customary catalogue figures.

INDEX

Absence, leave of, 61.
Academic and vocational guidance, 53.
Accredited schools, admission from, 42; list of, 42. Activities, student, 64, 65. Administration, officers of, 8; administrative boards, 24. boards, 24.
Admission to the University, 40; by certificate, 41; on examination, 43; freshman standing, 43; as a special student, 45; unclassified standing, 46; of normal school graduate, 47; graduate standing, 47; requirements of different colleges, 44; to the Bar, 146; to extension courses, 272.
Admission from accredited schools, 41.
Admission to the Schools of Law, Journalism, Education, 91; and Library School, 108.
Admission, subjects recommended for, 44. Admission, subjects recommended for, 44. Advanced standing, 41, 46, 47. Aeronautical Engineering, 173.
Alphabetical list of the Faculty, 15. Alumni association, 58. Anatomy, 174; Inboratories, 29.
Architecture, courses, 174; curricula, 129.
Arts and Law curriculum (combined), 73, 147. Assistant Professors, 11. Associate Professors, 11. Associates, 12.
Associations and clubs, 58; alumni, 58; associated students, 58; Christian associations, 59; department clubs, 59; religious and social, 59; debating, 59; musical, 60; philological, 60; honor, 60, 91, 111, 115; historical, 60; mining society, 150.
Associated students, 58; fees, 49.
Astronomy, courses, 176; laboratories, 20.
Athletics, 64; for women 65 (rule 48).
Auditors, 47; fees, 49.
Bacteriology, courses, 177; curriculum, 77.
Bailey Babette Foundation for Child Welfare, 37.
Bar, admission to the, 146. Associates, 12. Bar, admission to the, 146. Bequests, 25.
Bibliography, 274.
Biological sciences, curriculum, 78.
Biological station, 270. Board of Regents, 7.
Botany, courses, 178; laboratory, 29.
Buildings of University, 27; use of buildings,
65 (rule 51); officers, 10. B. A. Council, 113.
Business Administration, College of, 104;
faculty, 104; admission, 105; degrees, 38,
105; curricula, 105; courses, 192. Calendar, 6.
Campus plan, 8, 27.
Certificate of Proficiency for music supervisors, 126, 133; for winter session miners, Ceramics, 180; laboratory, 34. Changes in registration, 48, 50. Chemistry, courses, 181; curriculum, 78; laboratory, 80. Child Welfare, Bailey & Babette Gatzert Foundation, 37. Chinese (Oriental History), 244. Christian Associations, 59. Civil Engineering, 186. Classical Languages and Literature, 188. Classes, Saturday and evening, 91. Clubs, 58. College, definition of, 40.

the faculty, 24. Commons, University, 52. Conflicts, class, 65. Correspondence courses (Extension Service), 272. Courses, completion of, 48; definition of, 49. Credits, 62; 63. Creatis, 02; 03.

Curricula, business administration, 105; aducation, 92; engineering, 121; fine arts, 127; fisherics, 136; forestry, 141; home economics, 84; journalism, 117; laws, 147; liberal arts, 69; library, 103; mines, 152; nurses, 83; pharmacy, 161; physical education, 87; pre-medical, 82; science, 77; special, 40. special, 40.
Curriculum, definition of, 40.
Daily, special editions of, 64 (rule 37).
Mean of Men, 53.
Dean of Women, 53.
Debate, 64 (rule 45); societies, 59.
Definitions and Explanations, 40, 173.
Define, sunlication for, 53 (rule 10). Definitions and Explanations, 40, 173.
Degree, application for, 53 (rule 10).
Degrees, honorary, 53; with honors, 54; two
at the same time, 54 (rule 12).
Degrees, 53; with honors, 53; normal diplomas, 95; business administration, 38,
105; education, 38, 92; engineering, 38,
121; fine arts, 38, 127; fisheries, 38, 137;
forestry, 39, 142; journalism, 39, 117;
law, 39, 147; liberal arts, 39, 69; library,
39, 103; mines, 39, 152; pharmacy, 39,
161; professional degrees, 172; science,
38, 76; graduate, 39, 168.
Degrees conferred, 280.
Department Clubs, 58. Department Clubs, 58.
Department, definition of, 40. 177; botany, 178; ceramics, 180; chemistry, 181; civil engineering, 186; classical languages, 188; dramatic art, 191; economics and business administration, 192; education, 198; electrical engineer. economics and business administration, 192; education, 198; electrical engineering, 203; English, 205; fisheries, 208; forestry, 200; geology, 213; German, 215; history, 217; home economics, 213; journalism, 224; law, 225; library science, 227; mathematics, 228; mechanical engineering, 231; military science, 233; metallurgy, 236; mining, 237; music, 239; nursing, 243; Oriental history, literature and languages, 244; painting, sculpture and design, 245; pharmacy, pharmaceutical chemistry, materia, medica and food chemistry, 246; philosophy, 248; physical education and hygiene, 249; physics, 253; physiology, 300; political science, 254; psychology, 256; Romanic languages, 257; Scandinavian languages, 261; sociology, 263; zoology, 267.
Design, courses, 245; curriculum, 130. Discipline, 63. Discipline, 63. Directory of students, 293; summer quarter, 327. Dismissal, 62 (rule 23b). Doctor's degree, 168. Dormitories, University, 52.
Dramatic art, courses, 191; curriculum, 133.
Dramatic entertainments, 64 (rule 45). Economics, 192.

Committees: of the Board of Recents, 7; of

Editorial Secretary's Office, 274. Editors of student publications, 64 (rule 36). Education, School of, 88; faculty, 88; requirements, 93; admission, 91; degrees, 38, 92; courses, 178; requirements for normal and life diplomas, 93. (rule 46); for public appearance, 64 (rules 40-48). Electrical Engineering, courses, 203; curriculum, 122; laboratory, 130. Endowment and support of the University, Engineering, College of, 119; faculty, 119; degrees, 120; admission, 121; curricula, 121; courses, civil engineering, 186; mechanical engineering, 231; electrical engineering, 203; engineering experiment station, 37, 124. English, 205. Entrance Information, 48; deficiencies, 48 (rule 2). Equipment, 27. Excuses for absence, 61 (rule 22).

Examination, entrance, 43; regular, 62; for exemptions in English, 48; absence from, 62; physical, 48. Extra and normal work, 48 (rules 8-8). Exemptions, 49; in English, 48. Expenses, A.S.U.W. fee, 49; board and room, xpenses, A.S.U. ree, 29; board and room, 52; change of registration, 50; graduation fee, 50; laboratory deposits, 50; late registration fee, 50; law library fee, 50; library fee, 50; military uniform deposits, 50; short course fee, 50; support convention for 50; 50; military uniform deposits, 50; short course fee, 50; summer quarter fee, 50; special examinations, 50; tuition, 49; refunding of fees, 49; exemption from fees, 49; tutoring fees, 63.

Extension Service, 272; faculty, 272; division of instruction, 272, 91.

Faculty, in order of academic seniority, 11; alphabetical list, 15; professors, 11; associate professors, 11; assistant professors, 11; associate professors, 11; assistant professors, 11; associates, 12; instructors, 12; leecturers, 12; teaching fellows, 18; assistants, 13; library staff, 9.

Fees, 49; refunds of, 49. ants, 13; library staff, 9.
Fees, 49; refunds of, 49.
Fellows, Arthur Denny, 14; Loretta Denny, 14; DuPont, 14; Research, 14.
Fellowships and scholarships, 54; graduate fellowships, 55; Mars fellowship, 56; Columbia University teaching fellowship, 56; Isabella Austin scholarships, 56; chemistry scholarship, 56; Rosenberg scholarship, 56; Washington alumnae scholarship, 56; Du Pont scholarship, 56; Imperial Order of the Daughters of British Empire scholarship. scholarship, 56; Imperial Order of the Daughters of British Empire scholarship, 56; awarded in 1921, 292.
Financial obligations, 6 (rule 38).
Fine Arts, College of, 125; faculty, 125; admission, 126; curricula, 127; degrees, 126; courses, architecture, 174; dramatic art, 191; painting and design, 245; music, 239; sculpture, 245.
Fisheries, College of, 134; faculty, 134; degrees, 38, 137; curricula, 137; courses, 208; short course, 138, 330.
Forestry, College of, 139; faculty, 189; admission, 140; degrees, 141; curricula, 141; courses, 200; short courses, 143, 330.
Four Quarter System, 40. Four Quarter System, 40. Fraternity and sorority pledging, 65.
French (Romanic languages), 257.
Freahman standing, admission to, 41.
Geology, courses, 213; curriculum, 79; laboratory, 33. Germanic Languages and Literature, 215.

Government of the University, 25. Grades, 62. Graduate, 62.
Graduate Fellowships, 55; Loretta Denny, 54; Arthur Denny, 54; Bon Marche Industrial, 55; Du Pont, 55; mining and metallurgy research, 55; National research, 55; University honorary, 55. Graduate Medical Lectureship, 273 Graduate Medical Lecturesnip, 2:0.
Graduate School, 164; faculty, 164; admission, 168; degrees, 38, 168; degrees conferred in 1921, 284.
Graduation, candidates for, 50 (rule 10); requirements for, 54 (rule 11).
Greek (Classical Languages), 189. Grounds, 27.
Hazing, 65 (rule 50).
Health Service, University, 52; officers, 10.
Help, student, 53, 115. History, department of, 217; of University, Home Economics, courses, 221; curricula 84; fees, 51. Honor societies, 60 Hygiene (Physical Education), 249. Hyphens, course number connected by, 62, Incomplete, definition of, 63, 64 (rule 40). Industrial Arts, 99, Infirmary, University, 10, 52. Initiation, 65. Instructors, 12. Intercollegiate activities, 64. Italian (Romanic Languages), 257. Journalism, School of, 114: faculty, 114: admission, 115: curriculum, 117: courses. 224: laboratory, 33; fces, 51, 116. Junior certificate, 40. Laboratories, 29. Laboratory fees, 50.
Late registration, 48.
Latin (Classical Languages), 189.
Law, School of, 145; faculty, 145; degrees, 147; courses, 225. Law and science course (combined), 82. Leave of absence, 61 (rule 88). Lecturers, 12. Lecturers, 12.
Liberal Arts, College of, 67; faculty, 67; admission, 69; curricula, 70; degrees, 72; courses, see Departments of Instruction.
Library, The, 28; staff, 9; law library, 145; pharmacy library, 159.
Library School, 102; faculty, 102; admission, 103; curricula, 103; courses, 250; fees, 49, 51; rules, 63.
Library privileges, 54 (rule 15c).
Life diplomas, 98; granted, 292.
Logn funds, 58. Loan funds, 58. Lockers, 49. Lower Division, Requirements of the, 70. Map of the University Grounds, 3. Marine Biological Station, 270. Maritime commerce. 107. Mars fellowship, 56. Master's degree, 170. Mathematics, courses, 228; curriculum, 80. Mechanical Engineering, courses, 281; curriculum, 123; laboratories, 83. Medical Lectureship, 278. 281; cur-Memorial Library (Frederick Churchill), 115. Mentors, 113. Mentors, 113.

Metallurgy, 226.

Military Science, rules on, 61; prizes for, 56; courses, 233.

Mine Safety Station, 33.

Mines. College of, 149; faculty, 149; admission, 40; curricula, 152; courses, 237; laboratory, 34; winter session, 155, 339.

Mining and metallurgical fellowships, 55.

Miscellaneous rules 65.

344 Museum, 28. Music, courses. 239; curricula, 127.
Musical electives, 60.
Normal Diplomas, 54, 93; granted, 286.
Normal School Graduates, admission of, 47, 93; list of, 286. 93; 11st or, 230.

Normal and extra work, 48 (rules 3-8).

Nursing, 243; curriculum, 88.

Officers of Administration, 8.

Organization of the University, 38. Organization of the University, so.
Organization of student body, 58.
Oratorical contests, 64 (rule 45).
Outside work, 48 (rule 7).
Oriental History, Literature and Lauguages, Painting, Sculpture a 245; curricula, 130. and Design, Pharmacy in Washington, Requirements to practice, 157. Pharmacy, College of, 157; faculty, 157; admission, 158; curricula, 161; degrees, 160; courses, 246; laboratories, 36. Philological association, 60. Philosophy, 248. Physical Education and Hygiene, 249; courses for men, 249; courses for women, 250; curricula, 87. Physical Examinations, 48. Physics, courses, 253; laboratories, 36. Physiology, 267. Political Science, 254. Positions for graduates, 53. Frizes in public speaking and debate, 57; for essays, 57; for Italian, 57; for Latin, 57; for French, 57; for military science, 56; for Chinese literature, 57; for architecture and design, 58; awarded in 1921. 293. Pre-medical curricula, 82. Probation, 61 (rule 23); 65 (rule 47). Professional degrees, 172. Professors, 11. Psychology, courses, 256; curriculum, 80; laboratories, 36. Public Speaking and Debate (Dramatic Art). Publications, 115; 139; 274; student, 64. Puget Sound Biological Station, 270; 8 dents, 340.

Register of Students, 1921-1922, 294; of summer quarter, 327; or short course stu-

Registration, 48; changes in, 48; late, 48. Regulations for withdrawals, 61. Requirements for bachelor's degree, 53 (rules 9-14). Romanic Languages, 251. Remanic Languages, 251.

Rules and Regulations on absence, leave of, 61; activities. student, 64, 65; athletics for women. 65; auditors, 47; buildings, use of, 65; change of grade, 62; class conflicts, 65; completion of courses, 48; credits, not recorded, 63; debate, 64; degrees, application for, 53; degrees, two at the same time. 54; discipline, 63; dismissal, 33; dramatic entertainments, 64; editors of student publications. 64; eligibility, 65; entrance deficiencies, 48; exam-

dents, 339.

inations, 62; extra hours, 48; residence defined, 53; scholarship standing, 61; senior muca, os; senoiarsing standing, 61; senior year, work of, 53; senior scholars, 54; smoking, 65; social functions, 65; soror-ities, 65; speakers for student organiza-tions, 65; special editions of the Daily, 64; theses, 53; tutoring rates, 63; with-drawal, 61; work unsatisfactory, 62. Saturday classes, 91. Scandinavian, 261. Scholars, senior, 54. Scholarships, 54; granted, 292. Scholastic requirement, 41; withdrawal, 61; scholarship standing, 61; grades, 62. School, definition of, 40. School, definition of, Schools, secondary, 42.
Schools, secondary, 42.
Science, College of, 74; faculty, 74; admission, 76; courses (see Departments of Instruction). Science and law course combined, 82. Science, general curriculum, 81. Sculpture, 245. Senior examinations, 62 (rule 28). Senior examinations, 62 (fule 28).
Senior year, work of, 58.
Senior Scholars, 54; list of, 287.
Short courses in Fisheries, 138; Forestry, 143; Mines, 155; students, 339.
Smoking, 65 (rule 49).
Social Functions, 65 (rules 52-53). Sociology, 262. Sororities, 65 (rule 54). Spanish (Romanic Languages), 257. Speakers, 65 (rule 51b). Special Students, 45. Special Students, 45.
Standing, freshman, 43; unclassified, 45; special student, 45; advanced undergraduate, 46; graduate, 47.
State Chemist, 10.
Station of the U. S. Forest Service, 10.
Student Fee (see Expenses), 40.
Student Loan Funds, 58.
Student Government, 53. Student Help, 58, 115. Studies. 60. Summary of Enrollment, 340. Summary of Enrollment, 340.

Summer quarter, 268; registration, 269; admission, 269; fees, 270; students, 327.

Summer Quarter Law. School, 148.

Teaching Fellows, 13.

Theses, 53 (rule 14).

Tuition (see Expenses), 49.

Tutoring rates, 63.

Unclassified Students, 45.

Lait defaultion of 43. Unit, definition of, 43.
University Commons, 52.
U. S. Army Reserve Officers Training Corps, U. S. Bureau of Mines Northwest Experiment Station, 35.
Upper Division, requirements of the, 72.
Vocational guidance, 53.
Vocational Secretary's office, 53. Washington University State Historical Society, 60. Work, unsatisfactory, 61 (rule 23); extra, 48 (rules 3-8). Withdrawal, 61. Winter Session. Mines. 155, 339. Zoology, courses, 266; laboratory. 36.