

*Thos. K. Soley*

BULLETIN  
UNIVERSITY OF WASHINGTON

GENERAL SERIES I

JULY, 1920

NO. 135

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CATALOGUE

1919-1920

ANNOUNCEMENTS

1920-1921



SEATTLE, WASHINGTON  
PUBLISHED QUARTERLY BY THE UNIVERSITY  
1920

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# CATALOGUE

UNIVERSITY OF WASHINGTON

FOR 1919-1920

ANNOUNCEMENTS

FOR 1920-1921

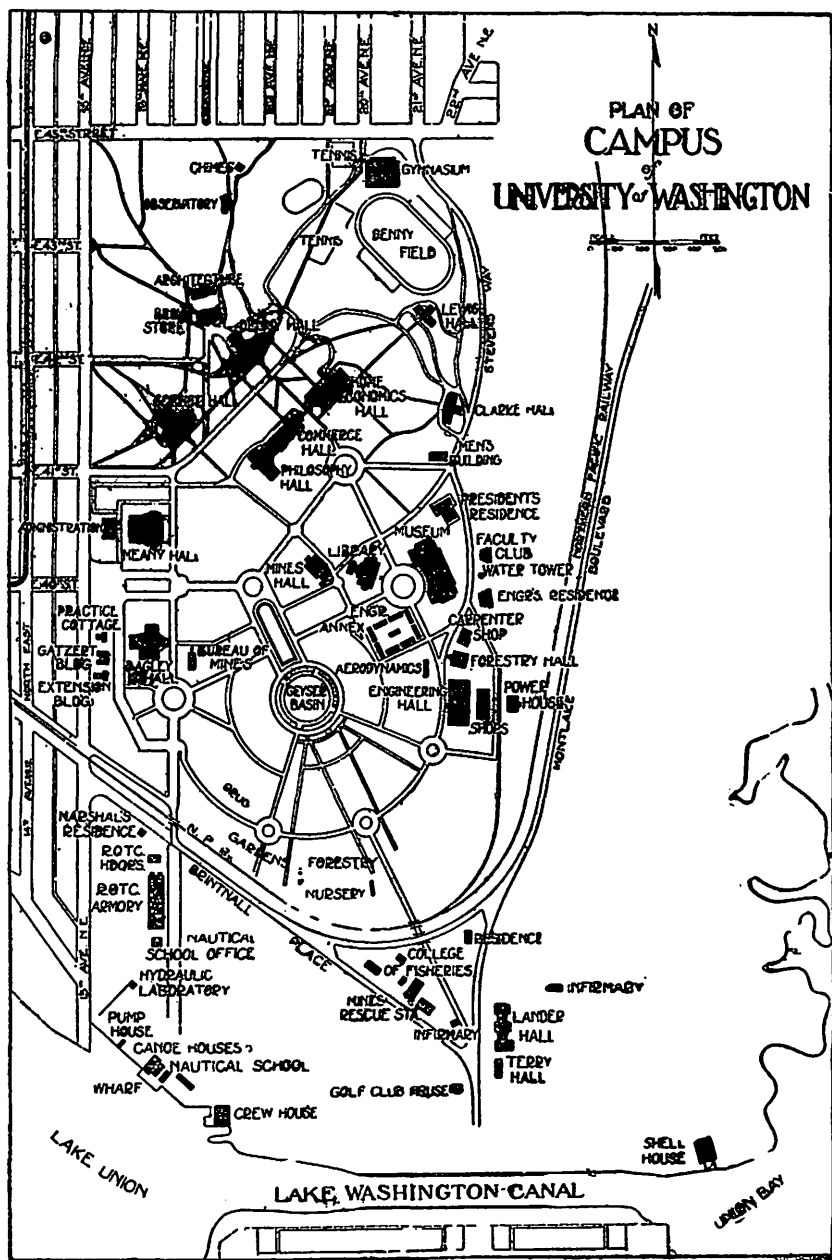


SEATTLE, WASHINGTON

Seattle  
University of Washington Press  
1920

## NOTICE

The University and its various schools and departments reserve the right to change the 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 in 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 Campus comprising 530 acres, 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. Administration Hall is best reached by leaving the car at Fortieth Street and Fourteenth Avenue Northeast.



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# UNIVERSITY CALENDAR

1920 - 1921

## AUTUMN QUARTER

Registration days....Friday, Saturday, and Monday September 24, 25, and 27  
Instruction begins.....Tuesday, September 28  
President's Annual Address.....Friday, October 1, 10 a. m.  
Women's Assembly.....Friday, October 8, 11 a. m.  
Thanksgiving Recess.....Wednesday, November 24, 6 p. m. to....  
.....Monday, November 29, 8 a. m.  
Instruction ends.....Thursday, December 23, 6 p. m.

## WINTER QUARTER

Registration days.....Monday and Tuesday, January 3 and 4  
Instruction begins.....Wednesday, January 5  
Instruction ends.....Wednesday, March 23, 6 p. m.

## SPRING QUARTER

Registration days.....Tuesday and Wednesday, March 29 and 30  
Instruction begins .....Thursday, March 31  
Campus Day.....Friday, April 22  
Junior Day.....Saturday, May 28  
Instruction ends.....Friday, June 17, 6 p. m.  
Class Day.....Saturday, June 18  
Baccalaureate Sunday.....June 19  
Commencement and Alumni Day.....Monday, June 20

## SUMMER QUARTER

Registration days.....Tuesday and Wednesday, June 21 and 22  
Instruction begins.....Thursday, June 23  
Instruction ends.....Tuesday, August 30, 6 p. m.

Examinations will be held at the close of each quarter during regular class periods.

Examinations for Seniors graduating at the end of the Spring Quarter will be completed by Tuesday, June 14.

## THE BOARD OF REGENTS

ELDRIDGE WHEELER, President.....	Montesano
Term ends March, 1921	
OSCAR A. FECHTER.....	Yakima
Term ends March, 1922	
JOHN A. REA.....	Tacoma
Term ends March, 1922	
WILLIAM A. SHANNON.....	Seattle
Term ends March, 1923	
RUTH KARR McKEE.....	Olympia
Term ends March, 1923	
WINLOCK W. MILLER.....	Seattle
Term ends March, 1926	
WILLIAM T. PERKINS.....	Seattle
Term ends March, 1926	

WILLIAM MARKHAM, Secretary to the Board

## COMMITTEES OF THE BOARD OF REGENTS

March 1920 to March 1921

AUDITING AND FINANCE—Perkins (chairman), Shannon, Fechter.
BUILDINGS AND GROUNDS—Miller (chairman), Perkins, Shannon.
COOPERATIONS—Shannon (chairman), Miller, Perkins.
DEMONSTRATION FOREST—Perkins (chairman), Rea, Fechter.
EDUCATION—McKee (chairman), Fechter, Rea.
LANDS—Rea (chairman), Miller, McKee.
METROPOLITAN BUILDING CO.—Fechter (chairman), McKee, Miller.
PUGET SOUND BIOLOGICAL STATION—Perkins (chairman), McKee, Rea.
RETIREMENTS AND ANNUITIES—Fechter (chairman), Miller, McKee.
STUDENT'S WELFARE—Shannon (chairman), McKee, Perkins.

## OFFICERS OF ADMINISTRATION

### THE UNIVERSITY

HENRY SUZZALLO, Ph. D., LL. D.	President of the University Administration Hall
JOHN THOMAS CONDON, LL. M.	Dean of Faculties Administration Hall
HERBERT THOMAS CONDON, LL. B.	Comptroller Administration Hall
EDWARD NOBLE STONE, A. M.	Registrar Administration Hall
EDWIN BICKNELL STEVENS, A. M.	Executive Secretary Administration Hall
ARTHUR RAGAN PRIEST, A. M.	Dean of Men Administration Hall
ETHEL HUNLEY COLDWELL, A. M.	Dean of Women Administration Hall
WILLIAM ELMER HENRY, A. M.	Librarian Library
FRANK STEVENS HALL	Director of Museum Museum
JAMES GARFIELD FLETCHER, A. B.	Vocational Secretary Administration Hall

### THE COLLEGES AND SCHOOLS

DAVID THOMSON, B. A.	Dean of the College of Liberal Arts Denny Hall
HENRY LANDES, A. M.	Dean of the College of Science Science Hall
STEPHEN IVAN MILLER, LL. B., A. B.	Dean of the College of Business Administration Commerce Hall
FREDERICK ELMER BOLTON, Ph. D.	Dean of the College of Education Home Economics Hall
CARL EDWARD MAGNUSSON, Ph. D.	Acting Dean of the College of Engineering Engineering Hall
IRVING MACKAY GLEN, A. M.	Dean of the College of Fine Arts Meany Hall
JOHN NATHAN COBB	Director of the College of Fisheries Fisheries Hall
HUGO WINKENWERDER, M. F.	Dean of the College of Forestry Forestry Hall
MATTHEW LYLE SPENCER, Ph. D.	Director of the School of Journalism Commerce Hall
JOHN THOMAS CONDON, LL. M.	Dean of the Law School Commerce Hall
WILLIAM ELMER HENRY, A. M.	Director of Library School Library
MILNOR ROBERTS, A. B.	Dean of the College of Mines Mines Hall
CHARLES WILLIS JOHNSON, Ph. C., Ph. D.	Dean of the College of Pharmacy Bagley Hall
J. ALLEN SMITH, Ph. D.	Dean of the Graduate School Denny Hall
FREDERICK MORGAN PADELFORD, Ph. D.	Dean of the Graduate School Denny Hall

### THE EXTENSION SERVICE

EDWIN AUGUSTUS START, A. M.	Director Extension Hall
-----------------------------	----------------------------

<sup>1</sup> Resigned February 1, 1920.

<sup>2</sup> Resigned, April 1, 1920.

## OFFICERS OF ADMINISTRATION

9

### OTHER ADMINISTRATIVE OFFICERS

LILLIAN BROWN GETTY, Secretary to the President.  
MAX HIPKOB, Assistant Purchasing Agent.  
WILLIAM BEACH JONES, A. B. Cashier.  
AIMEE WILSON, Secretary to the Comptroller.  
LOIS J. WENTWORTH, Assistant Registrar.  
CHRISTINE BERTHOLAS, A. B., Secretary to the Registrar.  
MAY WARD, A. B., Assistant Dean of Women.

### BUILDINGS AND GROUNDS

FREDERICK ELWELL, Superintendent.  
SANDY MORROW KANE, Engineer.  
L. R. KETTENRING, Acting Electrician.  
STANLEY O. CARPENTER, Head Carpenter.  
GEORGE WANNER, Head Gardener.

### UNIVERSITY COMMONS AND RESIDENCE HALLS

CHLOE CLARKE ELDER, B. S., Supervisor of Dining Halls.

### UNIVERSITY INFIRMARY

DAVID CONNOLLY HALL, M. D., University Health Officer.  
LILIAN COLLISON IRWIN, M. D.  
JOSEPHINE BROWNE, Nurse.

### STATE FOOD AND DRUG WORK

CHARLES WILLIS JOHNSON, PH. C., PH. D., State Chemist.  
FRANCES EDITH HINDMAN, M. S., Assistant State Chemist and Bacteriologist.  
MARIA OBOSA, PH. C., Assistant State Chemist.

### ENGINEERING EXPERIMENT STATION

CARL EDWARD MAGNUSSON, PH. D. Director.

### UNIVERSITY OF WASHINGTON STATION OF THE UNITED STATES FOREST SERVICE

CONRAD W. ZIMMERMAN, A. B., Engineer in Timber Tests, in charge.

### UNITED STATES SHIPPING BOARD SCHOOLS

JAMES E. GOULD, A. M., Special Expert in charge of Navigation Classes.  
EVERETT O. EASTWOOD, A. M., C. E., in charge of Marine Engineering Classes.

### UNITED STATES DEPARTMENT OF AGRICULTURE BUREAU OF PLANT INDUSTRY

JAMES THOMPSON, B. S., Specialist in charge of Medicinal Plants.

### UNITED STATES GEOLOGICAL SURVEY

HENRY LANDES, A. M., State Geologist.

### UNITED STATES BUREAU OF EDUCATION RESEARCH STATION

CLIFFORD WOODY, PH. D., Supervisor.

## UNITED STATES ARMY RESERVE OFFICERS' TRAINING CORPS

CHARLES LEONARD PHILLIPS, Colonel C. A. C., U. S. A., Professor of Military Science and Tactics.  
 WILLIAM DAVID FRAZER, Captain, C. A. C., U. S. A., Assistant Professor of Military Science and Tactics.  
 ALFRED JOHN BETONER, Captain, Infantry, U. S. A., Assistant Professor of Military Science and Tactics.  
 EVAN KIRKPATRICK MEREDITH, Captain, Infantry U. S. A., Assistant Professor of Military Science and Tactics.  
 EARL THOMAS, First Sergeant, C. A. C., Assistant.  
 FRANK A. PETERS, Sergeant, C. A. C., Assistant.  
 ROBERT M. KOONTZ, Sergeant, C. A. C., Assistant.  
 LESTER A. KENT, Sergeant, Infantry, Assistant.

## UNITED STATES BUREAU OF MINES SEATTLE MINING EXPERIMENT STATION

OLIVER C. RALSTON, Superintendent.  
 JAMES H. ROBINSON, Chief Clerk.  
 CLYDE E. WILLIAMS, Electro-Metallurgist.  
 EARL R. McMILLAN, Mining Engineer  
 JOHN G. SCHONING, Foreman Miner.  
 J. I. PREST, Chemist.  
 BYRON M. BIRD, Junior Mining Engineer.

## LIBRARY STAFF

WILLIAM ELMER HENRY, A. M. (Indiana); Librarian and Director of the Library School.  
 CHARLES WESLEY SMITH, A. B., B. L. S. (Illinois); Reference Librarian and Associate Professor of Library Economy.  
 EMMA PEARL McDONNELL, A. B. (Washington); Periodicals Librarian.  
 EVELYN MAY BLODGETT, A. B. (Vassar); Pratt Institute Library School.  
 MARGARET SCHUMACHER, A. B. (Washington); Circulation Librarian.  
 ROBINSON SPENCER, A. B. (Wesleyan), B. L. S. (Illinois); Catalogue Librarian and Instructor in Library Economy.  
 ELLEN F. HOWE, A. B. (Washington), (Carnegie Library School), Assistant Reference Librarian and Instructor in Library Economy.  
 LYDIA MCCUTCHEEN, A. B. (Iowa); (Washington Library School); Assistant Reference Librarian.  
 ETHEL M. STANLEY, A. B. (Fairmount), (Illinois Library School); Order and Accession Librarian.  
 BARBARA MABEL BOLLES, A. B. (Boston), B. S. (Simmons); First Assistant Cataloguer.  
 HELEN DUBBIE GOODWIN, A. B. (Montana); B. L. S. (Washington); Second Assistant Cataloguer.  
 MAY ALICE BERGH, A. B. (Washington); Assistant in Circulation.

## THE MUSEUM

FRANK STEVENS HALL, Director of the Museum.  
 CLARENCE JOHN ALBRECHT, A. B. (Iowa); Curator of Zoological Exhibits.  
 SAMUEL F. RATHBUN, Honorary Curator of Birds.  
 MARTHA FLAHAUT, A. B. Assistant.

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<sup>1</sup> Absent on leave, 1919-1920.

## UNIVERSITY FACULTY

In this list the names of the faculty are arranged in six groups—professors, associate professors, assistant professors, associates, lecturers, and instructors—followed by the names of the teaching fellows and assistants. In each of the six groups the names occur in the order of academic seniority. An alphabetical list of the faculty is given on pages 14-21.

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 HAYEN OBER  
JOHN THOMAS CONDON  
TREVOR KINCAID  
FREDERICK MORGAN PADELFORD  
MILNOR ROBERTS  
WILLIAM SAVERY  
FREDERICK ARTHUR OSBORN  
DAVID THOMSON  
CHARLES WILLIS JOHNSON  
PIERRE JOSEPH FREIN  
THEODORE CHRISTIAN FRYE  
ROBERT EDOUARD MORITZ  
CARL EDWARD MAGNUSSEN  
HARVEY LANTZ  
EVERETT OWEN EASTWOOD  
WILLIAM ELMER HENRY  
DAVID CONNOLLY HALL  
HERBERT HENRY GOWEN  
OLIVER HUNTINGTON RICHARDSON  
IVAN WILBUR GOODNER  
IRVING MACKEY GLEN  
EDWIN AUGUSTUS START  
CHARLES CHURCH MORE

HENRY KREITZER BENSON  
JOHN WEINZIEHL  
HUGO WINKENWERDER  
VERNON LOUIS PARRINGTON  
FREDERICK ELAHER BOLTON  
EDWIN JOHN VICKNER  
EFFIE ISABEL RAFTT  
WILLIAM FRANKLIN ALLISON  
STEVENSON SMITH  
WILLIAM PIERCE GORSUCH  
CLARK PRESCOTT BISSETT  
ETHEL HUNLEY COLDWELL  
ARTHUR RAGAN PRIEST  
ALLEN ROGERS BENHAM  
LESLIE JAMES AYER  
STEPHEN IVAN MILLER, JR.  
RICHARD FREDERICK SCHOLZ  
FRED CARLETON AYER  
JACOB ANTON DE HAAS  
JOHN NATHAN COBB  
CHARLES LEONARD PHILLIPS  
WILLIAM MAURICE DEHN  
HOWARD WOOLSTON  
MATTHEW LYLE SPENCER  
GEORGE MCPHAIL SMITH  
GEORGE COUNTS

### ASSOCIATE PROFESSORS

LOREN DOUGLAS MILLIMAN —  
SAMUEL LATIMER BOOTHROYD  
BURT PERSONS KIRKLAND —  
THOMAS KAY SIDET  
EDWARD MCMAHON  
CHARLES WESLEY SMITH  
ARTHUR WILSON LINTON  
GEORGE SAMUEL WILSON  
GEORGE WALLACE UMPHREY  
OTTO PATZER  
CHARLES WILLIAM HARRIS  
VANDERVEER CUSTIS  
EDGAR ALLEN LOEW  
JOSEPH DANIELS

THOMAS TALBOT WATERMAN  
CHARLES EDWIN WEAVER  
EDWARD GODFREY COX  
ALLEN FULLER CARPENTER  
HENRY LOUIS BRAKEL  
GEORGE BURTON RIGG  
CARL GOULD  
CLIFFORD WOODY  
WILLIAM DANIEL MORIARTY  
PAUL HOWARD DOUGLAS  
HARRY EDWIN SMITH  
ARTHUR MELVIN WINSLOW  
HARRY RUREY  
JOHN LOCKE WORCESTER

### ASSISTANT PROFESSORS

EDWIN JAMES SAUNDERS  
GEORGE IRVING GAVETT  
ROBERT MAX GARRETT  
ELIAS TREBAT CLARK  
ELI VICTOR SMITH  
CHARLES MUNRO STRONG  
WILLIAM THEODORE DARBY  
HARVEY BRUCE DENSMORE  
CLARENCE RAYMOND CORRY

GRACE GOLDENA DENNY  
GINO ARTURO RATTI  
JOEL MARCUS JOHANSON  
FRED WASHINGTON KENNEDY  
ERNEST OTTO ECKELMAN  
CHARLES LOUIS HELMLINGE  
JOHN WILLIAM HOTSON  
THERESA SCHMID MCMAHON  
LOUIS IRVING NEIKIRK

<sup>1</sup> Absent on leave, 1919-1920.

<sup>2</sup> Absent on leave, autumn and winter quarters.

<sup>3</sup> Resigned, February 1, 1920.

<sup>4</sup> Died, December 18, 1919.



FRANCES DICKEY  
MORITZ ROSEN  
ALBERT FRANZ VENINO  
SAMUEL HERBERT ANDERSON  
<sup>1</sup>FRIEDRICH KURT KIRSTEN  
SERENO BURTON CLARK  
MACY MILLMORE SKINNER  
<sup>2</sup>RALPH HASWELL LUTZ  
CURT JOHN DUCASSE  
ERIC TEMPLE BELL  
BROR LEONARD GRONDAL  
LUIS SANTANDER  
FRED HARVEY HEATH  
VICTOR LOVITT OAKES CHITTICK  
LESLIE FORREST CURTIS  
EMILIO GOGGIO  
GEORGE EARL FREELAND  
GEORGE HENRY JENSEN  
HERMAN VANCE TARTAR  
EDWIN RAY GUTHRIE  
FRANK DEMETRIUS HAYDEN

CARL PAIGE WOOD  
BARBARA HAECKER BARTLETT  
ROY MARTIN WINGER  
EVAN KIRKPATRICK MEREDITH  
NATHAN FASTEN  
THOMAS GORDON THOMPSON  
DELBERT NICKSON  
VIRGINIA CUNNINGHAM PATTY  
ELISABETH AMERY  
HEWITT WILSON  
MARY EMMA GROSS  
WILLIAM FRAZER  
ALFRED JOHN BETCHER  
IRA LEONARD COLLIER  
RALPH DROZ CASEY  
WILLIAM EDWARD COX  
GEORGE EDWARD GOODSPEED  
CARL SPENCER DAKAN  
CHARLES CULBERTSON MAY  
JOHN CHARLES RATHBUN  
<sup>3</sup>DOROTHY SHANK

## LECTURERS AND ASSOCIATES

HARVEY GLENN  
FREDERICK POWELL  
CORNELIUS OSSEWARD  
CONRAD ZIMMERMAN  
LILIAN COLLISON IRWIN  
GUY KERR  
JAMES EDWARD GOULD  
PAUL ALEXIS UMOFF  
DAVID MYERS  
GRACE EDGINGTON  
LILIAN BLOOM  
CLAUDE HUNT  
WINNIFRED SUNDERLIN HAGGETT  
CLARENCE JOHN ALBRECHT  
VERA KELSEY  
LETTIE LEE ROCHESTER  
MILDRED STRUBLE  
JOHN VICTOR FARRAR  
JAMES WEHN  
SARGENT POWELL

GEORGE WHITWELL  
FRANCES SKINNER  
EUGENIA WOMAN  
HERMANCIE MULLEMEISTER  
FRED FALCONER WEID  
AMBROSE PATTERSON  
ELVINE SIMEON  
ETHEL SANDERSON RADFORD  
IRENE HUNT DAVIS  
WOOD FREEMAN  
CURTIS THING  
EARL THEODORE BROWN  
KIRSTEN LARSEN NEWBURY  
MARJORY WHIFFLE  
CATHERINE MURRAY  
FULK TADAMA  
JAMES MCCONAHEY  
WILLIAM BENNETT HENDERSON  
EMUEL JACOB FORMAN

## INSTRUCTORS

SAMUEL THOMAS BEATTIE  
SANDY MORROW KANE  
WALTER BELL WHITTLESEY  
<sup>1</sup>RUDOLPH HERBERT ERNST  
JOSEPH BARLOW HARRISON  
LLOYD LEROY SMALL  
CLEMENT AKERMAN  
FRANK JOSEPH LAUBE  
JOSEPH GRATTAN O'BRYAN  
HAROLD OGDEN SEXSMITH  
ALLETTA GILLETTE  
ALBERT PORTER ADAMS  
<sup>2</sup>HORACE HARDY LESTER  
LOUISE VAN OGLE  
MAX PATTEN PHILBRICK  
KATE LEILA GREGG  
CHLOE CLARKE ELDER  
ANNETTE EDENS  
ROBERT FULTON MCCLELLAND  
JAMES BAKER HAMILTON  
GORDON RUSSELL SHUCK  
EARL THOMA  
ALICE COLEMAN BOGARDUS  
MARTHA DRESSLAR  
FOREST JACKSON GOODRICH  
SARA VINSONHALER  
ARTHUR WILLIS BARTON  
CLINTON LOUIS UTTERBACK

MARY WETTON  
MARY DEVER  
MILDRED LEMON  
ROBINSON SPENCER  
ELLEN HOWE  
CLARENCE LOUIS ANDERSON  
RALPH MASON BLAKE  
ELSTIE ZIESE  
RUSSELL HUBBARD WHITE  
GEORGE KIRCHNER  
WILLIAM RONALD WILSON  
WILLIAM SPRARAGAN  
HARRY JOHN MCINTYRE  
EDWARD BROWN  
JOSEPH TAYLOR  
EARL DOWNS WEST  
EDMOND CLARENCE MILLER  
JOHN HOWARD THOMPSON  
ROBERT QUIKOT BROWN  
ROBERT VAN HORN  
LOUIS GUSTAV GERHARDT  
ELWOOD MORTON WILBUR  
HOMER EWART GREGORY  
CHRIS GREENSIDE DOBSON  
FOREST CHARLES DANA  
LOU EASTWOOD ANDERSON  
ELEANOR CAMPBELL

<sup>1</sup> Absent on leave, 1919-1920.

<sup>2</sup> Absent on leave, autumn quarter.

<sup>3</sup> Resigned, March 31, 1920.

<sup>4</sup> Died, February 26, 1920.

## ASSISTANTS, TEACHING AND RESEARCH FELLOWS

FORD BROWN, Assistant in English.  
 ETHEA COOK CLARK, B. M., Accompanist and Assistant in Music.  
 KENNETH COLLINS, Assistant in English.  
 ERRA DAHLIN, A. B., Assistant in English.  
 DOROTHY DOUGLAS, M. A., Assistant in Sociology.  
 CLARENCE EDMUNDSON, Assistant in Physical Education and Athletic Trainer.  
 HELEN FERRYMAN, B. M., Assistant in Music.  
 MARTHA FLAHAUT, A. B., Assistant in the Museum.  
 OLIVE GWINN, A. B., Assistant in English.  
 PAUL HIGGS, B. S., Demonstrator in Physics.  
 MATTHEW HILL, LL. B., Debate Coach.  
 ANNE HOLMES, A. B., Assistant in English.  
 HAROLD HOTELLING, A. B., Assistant in Mathematics.  
 GLEN HUGHES, A. B., Assistant in English.  
 HELEN KAHIN, M. A., Assistant in English.  
 LESTER KENT, Sergeant, Infantry, Assistant in Military Science and Tactics.  
 ROBERT KOONTZ, Sergeant, C. A. C., Assistant in Military Science and Tactics.  
 MINERVA LOOMIS, A. B., Assistant in Spanish.  
 HELEN MACKINNON, A. B., Assistant in Physical Education and Hygiene.  
 WILLIAM CARLTON MCKERN, A. B., Assistant in Sociology.  
 FRANK PETERS, Sergeant, C. A. C., Assistant in Military Science and Tactics.  
 WALDO SEMON, Lecture Assistant in Chemistry.  
 DORIS SUMMERS, Assistant in French.  
 DOROTHY THOMAS, A. B., Assistant in English.  
 EARL THOMAS, 1st Sergeant, C. A. C., Assistant in Military Science and Tactics.  
 JONATHAN TRUMBULL, Assistant in Spanish.  
 HAROLD TURPIN, Assistant in Business Administration.  
 MYRON HENRY WETZEL, Assistant in Shopwork in Mechanical Engineering.  
 MADGE WILKINSON, A. B., Assistant, Gatzert Foundation.  
 FLORENCE BERG WILSON, B. M., Assistant in Music.  
 RITA SINCLAIR WILT, Assistant in English.  
 ELIZABETH WRIGHT, A. B., Assistant in English.

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EWAN CLAGUE, A. B., Teaching Fellow in Political Science.  
 HERBERT FISH, B. L., Teaching Fellow in History.  
 GEORGE LISLE HOARD, B. S., (E. E.), Teaching Fellow in Electrical Engineering.  
 GRACE HOWARD, A. B., Teaching Fellow in Botany.  
 CHARLES JOHNSON, B. S., Teaching Fellow in Chemistry.  
 GERTRUDE KRAFFT, A. B., Teaching Fellow in Germanic Languages and Literature.  
 OLIVE KUNTZ, A. B., Teaching Fellow in History.  
 MARJORIE MCKILLOP, A. B., Teaching Fellow in French.  
 EUGENE MERRIMAN, M. Ph., Teaching Fellow in Education.  
 ESTHER PALMER, B. S., Teaching Fellow in Zoology.  
 WILBER HARMON PATCHIN, B. Ed., Teaching Fellow in Spanish.  
 CATHERINE SMITH, B. S., Teaching Fellow in Botany.  
 JACK RODERICK TOLMIE, B. S., Teaching Fellow in Electrical Engineering.  
 ROBIN WILKES, Ph. G., Teaching Fellow in Pharmacy.  
 LILLIAN WOOD, B. S., Teaching Fellow in Chemistry.  
 JENNIE YOUNG, A. B., Teaching Fellow in Romantic Languages.

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FRED ANDERSON, B. S., Fellow in Industrial Chemistry.  
 ARTHUR PAUL WICHMANN, B. S., Research Fellow in Metallurgy.

## ALPHABETICAL LIST OF THE UNIVERSITY FACULTY

HENRY SUZZALLO, President of the University.

A. B., Stanford, 1899; A. M., Columbia, 1902; Ph. D., 1905; LL. D., California, 1918.

ALBERT PORTER ADAMS, Instructor in Music.

CLEMENT AKERMAN, Instructor in Economics.

A. B., Georgia, 1898; A. M., Harvard, 1914.

WILLIAM FRANKLIN ALLISON, Professor of Municipal and Highway Engineering.

B. S., South Dakota State College, 1895; B. S. (C. E.), Purdue, 1897; C. E., Cornell 1904.

ELISABETH AMERY, Assistant Professor of Home Economics.

B. S. Wisconsin, 1913.

CLARENCE LOUIS ANDERSON, Instructor in Fisheries.

B. S., Washington, 1917.

LOU EASTWOOD ANDERSON, Acting Instructor in Physical Education (spring quarter).  
Valparaiso; Washington.

SAMUEL HERBERT ANDERSON, Assistant Professor of Physics.

A. B., Park College, 1902; A. M., 1903; Ph. D., Illinois, 1912.

FRED CARLETON AYER, Professor of Education.

B. S., Upper Iowa University, 1902; M. S., Georgetown University, 1905; Ph. D., Chicago, 1915.

LESLIE JAMES AYER, Professor of Law.

B. S., Upper Iowa University, 1899; J. D., Chicago, 1906

BARBARA HAECKER BARTLETT, Assistant Professor of Nursing and Public Health.

B. S., Teachers College, Columbia, 1917.

ARTHUR WILLIS BARTON, Instructor in Chemistry.

Ph. G., Washington, 1897; A. B., 1902; Ph. D., Northwestern, 1918.

SAMUEL THOMAS BEATTIE, Instructor in Woodwork.

ERIC TEMPLE BELL, Assistant Professor of Mathematics.

A. B., Stanford, 1904; A. M., Washington, 1908; Ph. D., Columbia, 1912.

ALLEN ROGERS BENHAM, Professor of English.

A. B., Minnesota, 1900; A. M., 1901; Ph. D., Yale, 1905.

HENRY KREITZER BENSON, Professor of Chemical Engineering.

A. B., Franklin and Marshall, 1889; A. M., 1902; Ph. D., Columbia, 1907.

ALFRED JOHN BETCHER, Captain, Infantry, U. S. A. Assistant Professor of Military Science and Tactics.

Graduate, West Point, 1911.

CLARK PRESCOTT BISSETT, Professor of Law.

A. B., Hobart College, 1896.

RALPH MASON BLAKE, Instructor in Philosophy.

A. B., Williams College, 1911; A. M., Harvard, 1912; Ph. D., 1915.

LILLIAN BLOOM, Associate in Physical Education.

Graduate, Medical Gymnastic Institute, Stockholm.

ALICE COLEMAN BOGARDUS, Instructor in Singing.

B. L., Mills College, 1913; Columbia.

FREDERICK ELMER BOLTON, Professor of Education and Dean of the College of Education.

B. S., Wisconsin, 1893; M. S., 1896; Ph. D., Clark, 1898.

SAMUEL LATIMER BOOTHROYD, Associate Professor of Astronomy.

B. S., Colorado Agricultural College, 1898; M. S., 1904.

HENRY LOUIS BRAKEL, Associate Professor of Engineering Physics.

B. A., Olivet, 1902; A. M., Washington, 1905; Ph. D., Cornell, 1912.

EARL THEODORE BROWN, Associate in Physics.

B. S., Washington, 1918.

EDWARD BROWN, Instructor in Physical Education and Hygiene.

Pennsylvania State College; Washington.

ROBERT QUIXOTE BROWN, Acting Instructor in Civil Engineering.

B. S., (E. E.) Washington, 1916.

ELEANOR CAMPBELL, Acting Instructor in Design (spring quarter.)

School of Industrial Arts, Pennsylvania Museum, Philadelphia.

ALLEN FULLER CARPENTER, Associate Professor of Mathematics.

A. B., Hastings, 1901; A. M., Nebraska, 1909; Ph. D., Chicago, 1915.

RALPH DROZ CASEY, Assistant Professor of Journalism.

A. B., Washington, 1918.

VICTOR LOVITT OAKES CHITTICK, Assistant Professor of English.

A. B., Acadia, 1905; A. M., 1906; A. M., Harvard, 1908; Ph. D., Columbia, 1919.

ELLAS TRENT CLARK, Assistant Professor of Forestry.

Ph. B., Yale, 1907; M. F., 1908.

- SERENO BURTON CLARK, Assistant Professor of Latin and Greek.  
A. B., Michigan, 1901; Ph. D., Harvard, 1907.
- JOHN NATHAN COBB, Professor of Fisheries and Director of the College of Fisheries.  
B. S. (C. E.), Washington, 1918; C. E., 1917.
- ETHEL HUNLEY COLDWELL, Dean of Women.  
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.
- CLARENCE RAYMOND COREY, Assistant Professor of Mining and Metallurgy.  
E. M., Montana State School of Mines, 1906; A. M., Columbia, 1915.
- GEORGE SYLVESTER COUNTS, Professor of Education.  
A. B. Baker, 1911; Ph. D., Chicago, 1916.
- EDWARD GODFREY COX, Associate Professor of English.  
A. B., Wabash, 1899; A. M., Cornell, 1901; Ph. D., 1906.
- WILLIAM EDWARD COX, Assistant Professor of Business Administration.  
A. B., Texas, 1909; A. M., 1910.
- LESLIE FORREST CURTIS, Assistant Professor of Electrical Engineering.  
B. S., Tufts, 1910; M. S. (E. E.), University of Washington, 1916.
- VANDERVEER CUSTIS, Associate Professor of Economics.  
A. B., Harvard, 1901; A. M., 1902; Ph. D., 1905.
- CARL SPENCER DAKAN, Assistant Professor of Business Administration.  
B. S., Missouri, 1909.
- FOREST CHARLES DANA, Acting Instructor in Civil Engineering (winter and spring quarters).  
B. S. (C. E.), Washington, 1914.
- JOSEPH DANIELS, Associate Professor of Mining Engineering and Metallurgy.  
S. B., Massachusetts Institute of Technology, 1905; M. S., Lehigh, 1908.
- WILLIAM THEODORE DARRY, Assistant Professor of English.  
A. B., Yale, 1905; A. M., Columbia, 1907.
- IRENE HUNT DAVIS, Acting Associate in Chemistry, (autumn quarter.)  
A. B., Washington, 1908.
- JACOB ANTON DE HAAS, Professor of Business Administration.  
A. B., Stanford, 1910; A. M. Harvard, 1911; Ph. D., Stanford, 1915.
- WILLIAM MAURICE DEHN, Professor of Organic Chemistry.  
A. B., Hope, 1893; A. M., 1896; Ph. D., Illinois, 1903.
- GRACE GOLDENA DENNY, Assistant Professor of Home Economics.  
A. B., Nebraska, 1907; A. M., Columbia, 1910.
- HARVEY BRUCE DENSMORE, Assistant Professor of Greek.  
A. B., Oxford, 1907.
- MARY MOTTER DEVER, Instructor in Physical Education and Hygiene.  
A. B., Goucher College, 1912; A. M., Columbia, 1915.
- FRANCES DICKET, Assistant Professor of Music.  
Graduate, Iowa State Teachers College, 1901; B. S., Columbia, 1912; A. M., 1918.
- CHRIS GREENSIDE DORSON, Acting Instructor in Civil Engineering (winter and spring quarters).  
E. M., Montana, 1913.
- PAUL HOWARD DOUGLAS, Associate Professor of Business Administration.  
A. B., Bowdoin, 1913; A. M. Columbia, 1915.
- MARTHA ESTELLA DRESSLAR, Instructor in Home Economics.  
B. A., University of Southern California, 1918; B. S., University of Washington, 1917; M. S., Teachers College, Columbia, 1918.
- CURT JOHN DUCASSE, Assistant Professor of Philosophy.  
A. B., Washington, 1908; A. M., 1909; Ph. D., Harvard, 1912.
- EVERETT OWEN EASTWOOD, Professor of Mechanical Engineering.  
C. E., Virginia, 1896; A. B., 1897; A. M., 1899; S. B., Massachusetts Institute of Technology, 1902.
- ERNEST OTTO ECKELMAN, Assistant Professor of German.  
A. B., Northwestern (Watertown, Wis.), 1897; B. L., Wisconsin, 1898; Ph. D., Heidelberg, (Germany), 1906.
- ANNETTE EDENS, Instructor in Drawing.  
New York School of Fine and Applied Arts, Columbia.
- GRACE HARTLEY EDINGTON, Associate and Editorial Secretary in the Department of Journalism.  
A. B., Oregon, 1916.
- CHLOE CLARKE ELDER, Instructor in Institutional Management.  
Ph. B., Alfred University, 1911; B. S., Columbia, 1915.
- RUDOLF HERBERT ERNST, Instructor in English.  
A. B., Northwestern (Watertown, Wis.), 1904; A. M., Harvard, 1911.
- VICTOR JOHN FARRAR, Associate in Historical Research.  
A. B., Wisconsin, 1911; A. M., 1912.

- NATHAN FASTEN, Assistant Professor of Zoology.  
B. S., College of New York, 1910; Ph. D., Wisconsin, 1914.
- EMUEL JACOB FORMAN, Extension Lecturer on Water Transportation.
- WILLIAM DAVID FRAZER, Captain, C. A. C., U. S. A., Assistant Professor of Military Science and Tactics.  
B. S. (C. E.), Michigan Agricultural College, 1909.
- GEORGE EARL FREELAND, Assistant Professor of Education.  
A. B., Kansas Normal, 1909; A. M., Clark, 1913; Ph. D., Clark, 1920.
- WOOD FREEMAN, Acting Associate in Chemistry.  
University of Washington.
- PIERRE JOSEPH FREIN, Professor of Romanic Languages.  
A. B., Williams, 1892; Ph. D., Johns Hopkins, 1899.
- THEODORE CHRISTIAN FRYE, Professor of Botany.  
B. S., Illinois, 1894; Ph. D., Chicago, 1902.
- ROBERT MAX GARRETT, Assistant Professor of English.  
A. B., Idaho, 1902; A. M., Washington, 1903; Ph. D., Munich, 1909.
- GEORGE IRVING GAVETT, Assistant Professor of Mathematics.  
B. S. (C. E.), Michigan, 1893.
- LOUIS GUSTAV GERHARDT, Acting Instructor in Civil Engineering (winter quarter.)  
B. S., (Min), Washington, 1917; M. S., (Met), Utah, 1918.
- ALLETTA GILLETTE, Extension Instructor in English.  
A. B., Smith, 1907; A. M., Washington, 1911.
- IRVING MACKEY GLEN, Professor of Music, and Dean of the College of Fine Arts.  
A. B., Oregon, 1894; A. M., 1897.
- HARVEY GLENN, Lecturer on Assaying of Bullion.  
B. S., Iowa State College.
- EMILIO GOGGIO, Assistant Professor of Romanic Languages.  
A. B., Harvard, 1909; A. M., Toronto, 1910; Ph. D., Harvard, 1917.
- IVAN WILBUR GOODNER, Professor of Law.  
LL. B., Nebraska, 1897.
- FOREST JACKSON GOODRICH, Instructor in Pharmacy.  
Ph. C., Washington, 9113; B. S., 1914; M. S., 1917.
- GEORGE EDWARD GOODSPEED JR., Assistant Professor of Geology.  
B. S. (Min. E.), Massachusetts Institute of Technology, 1910.
- WILLIAM PIERCE GORSUCH, Professor of Dramatic Art.  
A. B., Knox, 1898.
- CARL FRELINGHUYSEN GOULD, Associate Professor of Architecture.  
A. B., Harvard, 1898.
- JAMES EDWARD GOULD, Lecturer on Navigation.  
B. Ph., Washington, 1906; B. Pd., 1898; M. A., Harvard, 1907.
- HERRBERT HENRY GOWEN, Professor of Oriental History, Literature and Institutions.  
St. Augustine's College (Canterbury); D. D., Whitman College, 1912.
- KATE LILLA GREGG, Instructor in English.  
A. B., Washington, 1908; Ph. D., 1916.
- HOMER EWART GREGORY, Acting Instructor in Business Administration (winter and spring quarters.)  
A. B., Washington State College, 1914; M. A., Chicago, 1917.
- BROD LEONARD GRONDAL, Assistant Professor of Forestry.  
A. B., Bethany (Kansas), 1910; M. S. F., Washington, 1913.
- MARY EMMA GROSS, Assistant Professor of Physical Education.  
A. B., Goucher College, 1912; A. M., Columbia, 1915.
- EDWIN RAY GUTHRIE, Acting Assistant Professor of Psychology.  
A. B., Nebraska, 1907; A. M., 1910; Ph. D., Pennsylvania, 1912.
- WINNIFRED SUNDERLIN HAGGETT, Associate in English.  
A. B., Olivet, 1897; A. M., Michigan, 1898.
- DAVID CONNOLLY HALL, University Health Officer and Professor of Hygiene.  
Ph. B., Brown, 1901; Sc. M. Chicago, 1903; M. D., Rush Medical College, 1907.
- JAMES BAKER HAMILTON, Instructor in Civil Engineering.  
Washington.
- CHARLES WILLIAM HARRIS, Associate Professor of Civil Engineering.  
B. S. (C. E.), University of Washington, 1903; C. E. Cornell, 1905.
- JOSEPH BARLOW HARRISON, Instructor in English.  
A. B., Washington, 1910; A. B., Oxford, 1913.
- FRANK DEMETRUS HAYDEN, Assistant Professor of Civil Engineering.  
B. S., (C. E.), Massachusetts Institute of Technology, 1902.
- FRED HARVEY HEATH, Assistant Professor of Chemistry.  
B. S., New Hampshire, 1905; Ph. D., Yale, 1909.
- CHARLES LOUIS HELMINGE, Assistant Professor of Romanic Languages.  
B. Ph., Wallace College (Ohio), 1911; A. M., Washington, 1915.

- WILLIAM BENNET HENDERSON, Extension Lecturer on Foreign Trade.  
 WILLIAM ELMER HENRY, Librarian and Director of the Library School.  
 A. B., Indiana, 1891; A. M., 1892.
- JOHN WILLIAM HOTSON, Assistant Professor of Botany.  
 A. B., McMaster, 1901; A. M., 1902; Ph. D., Harvard, 1913.
- ELLEN FORD HOWE, Assistant Reference Librarian and Instructor in Library Economy.  
 A. B., Washington, 1911; Carnegie Library School.
- CLAUDE HUNT, Director of Athletics.  
 A. B., De Pauw, 1911.
- LILIAN IRWIN, Lecturer on Physical Education for Women.  
 M. D., Cooper Medical College, 1898.
- GEORGE HENRY JENSEN, Assistant Professor of Vocational Education and Supervisor of Teacher Training in the Trades and Industries.  
 B. S., Valparaiso University, 1906.
- JOEL MARCUS JOHANSON, Assistant Professor of English.  
 A. B., Washington, 1904.
- CHARLES WILLIS JOHNSON, Professor of Pharmaceutical Chemistry and Dean of the College of Pharmacy.  
 Ph. C., Michigan, 1896; B. S., 1900; Ph. D., 1903.
- SANDY MORROW KANE, Instructor in Metalwork.
- VERA KELSEY, Associate in English.  
 B. A., North Dakota, 1914; A. M., Brown, 1916.
- GUY M. KERR, Lecturer on Copper Smelting.  
 Ph. D., Goettingen.
- FRED WASHINGTON KENNEDY, Assistant Professor and Director of the Journalism Laboratories.
- TREVOR KINCAID, Professor of Zoology.  
 B. S., Washington, 1899; A. M., 1901.
- GEORGE KIROHNER, Instructor in Music.  
 Leipzig.
- BURT PERBENS KIRKLAND, Associate Professor of Forestry.  
 A. B., Cornell, 1905.
- FRIEDRICH KURT KIRSTEN, Assistant Professor of Electrical Engineering.  
 B. S., Washington, 1909; E. E., 1914.
- 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.
- HARVEY LANTZ, Professor of Law.  
 Ph. B., De Pauw, 1888; A. M., 1891; L. L. B., Kent Law School, 1893.
- FRANK JOSEPH LAUBE, Instructor in Economics.  
 A. B., Wisconsin, 1899; A. M., Washington, 1913.
- MILDRED LEMON, Instructor in Physical Education and Hygiene.  
 A. B., California, 1913.
- HORACE HARDY LESTER, Instructor in Physics.  
 A. B., Minnesota, 1906; A. M., Washington, 1912; Ph. D., Princeton, 1915.
- ARTHUR WILSON LINTON, Associate Professor of Pharmacy.  
 Ph. G., Highland Park, 1902; B. S., Michigan, 1909; M. S., Washington, 1915.
- EDGAR ALLEN LOEW, Associate Professor of Electrical Engineering.  
 B. S., (E. E.), Wisconsin, 1906.
- RALPH HASWELL LUTZ, Assistant Professor of History.  
 A. B., Stanford, 1906; LL. B., Washington, 1907; A. M., Ph. D., Heidelberg (Germany), 1910.
- ROBERT FULTON MCCLELLAND, Instructor in Architecture.  
 Massachusetts Institute of Technology.
- JAMES MCCONNELL MCCONAHEY, Extension Lecturer on Accounting.  
 B. S. Washington and Jefferson, 1896; M. S., 1899; LL. B. Northwestern, 1899.
- HARRY JOHN MCINTYRE, Instructor in Mechanical Engineering.  
 B. S., (M. E.), Washington, 1915.
- HELEN MACKINNON, Assistant in Physical Education and Hygiene.  
 A. B. Wellesley, 1917.
- EDWARD MCMAHON, Associate Professor of American History.  
 Ph. B., Washington, 1898; A. M., Wisconsin, 1907.
- THERESA SCHMID MCMAHON, Assistant Professor of Economics.  
 A. B., Washington, 1899; A. M., 1901; Ph. D., Wisconsin, 1909.
- CARL EDWARD MAGNUSSON, Professor of Electrical Engineering and Acting Dean of the College of Engineering.  
 B. B. E., Minnesota, 1896; M. S., 1897; E. E., 1905; Ph. D., Wisconsin, 1900.
- CHARLES CULBERTSON MAY, Assistant Professor of Civil Engineering.  
 B. S., (C. E.), Washington, 1910.
- EDMOND STEPHEN MEANY, Professor of History.  
 B. S., Washington, 1885; M. S., 1899; M. L., Wisconsin, 1901.

- EVAN KIRKPATRICK MEREDITH, Captain Infantry U. S. A., Assistant Professor of Military Science and Tactics.  
Stanford University.
- EDMOND CLARENCE MILLER, Acting Instructor in Civil Engineering.  
B. S. (E. E.), Washington, 1916.
- STEPHEN IVAN MILLER, Professor of Economics and Dean of the College of Business Administration.  
LL. B., Michigan, 1896; A. B., Stanford, 1898.
- LOREN DOUGLAS MILLIMAN, Associate Professor of English.  
A. B., Michigan, 1890.
- CHARLES CHURCH MORE, Professor of Civil Engineering.  
C. E., Lafayette, 1898; M. C. E., Cornell, 1899; M. S. Lafayette, 1901.
- WILLIAM DANIEL MORIARTY, Associate Professor of Business Administration.  
A. B., Michigan, 1904; A. M., 1905; Ph. D., 1909.
- ROBERT EDOUARD MORITZ, Professor of Mathematics.  
B. S., Hastings, 1892; Ph. M., Chicago, 1896; Ph. D., Nebraska, 1901; Ph.N.D., Universitaet Strassburg, 1902.
- HERMANCE MULLEMEISTER, Associate in Mathematics.  
Phil. Cand. Royal University of Utrecht, Holland, 1910; Ph. D., 1913.
- CATHERINE MURRAY, Lecturer on Sociology (winter and spring quarters.)  
A. B., Trinity College, 1909, A. M., Columbia, 1915.
- DAVID JOHN MYERS, Associate in Architecture. (Fall and winter quarters.)  
Massachusetts Institute of Technology.
- LEWIS IRVING NEIKIRK, Assistant Professor of Mathematics.  
B. S. Colorado, 1898; M. S., 1901; Ph. D., Pennsylvania, 1903.
- KIRSTEN LARSEN NEWBURY, Associate in physics (winter and spring quarters.)  
B. S., Washington, 1919.
- DELBERT NICKSON, Assistant Professor of Pathology.  
B. S., Wisconsin, 1913; M. D., Oregon, 1917.
- CAROLINE HAVEN OBER, Professor of Spanish.
- JOSEPH GRATTAN O'BRYAN, Lecturer on Law.  
A. B., Jesuit College (Denver), 1893.
- FREDERICK ARTHUR OSBORN, Professor of Physics and Director of Physics Laboratories.  
Ph. B., Michigan, 1896; Ph. D., 1907.
- CORNELIUS OSSEWARD, Lecturer on Commercial Pharmacy.  
Ph. G., Columbia; Ph. C., Northwestern.
- FREDERICK MORGAN PADELFORD, Professor of English, and Dean of the Graduate School.  
A. B., Colby, 1896; A. M., 1899; Ph. D., Yale, 1899.
- VERNON LOUIS PARRINGTON, Professor of English.  
A. B., Harvard, 1893; A. M., Emporia, 1895.
- AMBROSE PATTERSON, Associate in Fine Arts.  
Melbourne National Gallery, Victoria, Australia;  
Jullien, Colorossi and Delocluse Academics, Europe.
- VIRGINIA CUNNINGHAM PATTY, Assistant Professor of Home Economics.  
Industrial Institute and College, Columbus, Miss;  
Shugualak College, Miss.; Teachers College, Columbia.
- OTTO PATZER, Associate Professor of French.  
B. I., Wisconsin, 1898; M. L., 1899; Ph. D., 1907.
- MAX PATTEN PHILBRICK, Instructor in Romanic Languages.  
A. B., Colby College, 1902.
- FREDERICK POWELL, Lecturer on Gold Dredging.  
B. M., Columbia.
- SARGENT POWELL, Associate in Chemistry.  
B. S., M. S., Washington, 1910; Ph. D., Illinois, 1919.
- CHARLES 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. University of Maine, 1888; graduate, Coast Artillery School, 1890.
- ARTHUR RAGAN PRIEST, Professor of Debating and Dean of Men.  
A. B., De Pauw, 1891; A. M., 1894.
- ETHEL SANDERSON RADFORD, Associate in Chemistry.  
A. B., McGill, 1895.
- EFFIE ISABEL RAITT, Professor of Home Economics.  
B. S., Columbia, 1912; A. M., Teachers College, Columbia, 1919.
- JOHN CHARLES RATHBUN, Assistant Professor of Civil Engineering.  
A. B., Washington, 1903; A. M., 1904; B. S., 1908; C. E., 1909.
- GINO ARTURO RATTI, Assistant Professor of Romanic Languages.  
A. B., Middlebury, 1907; A. M., 1909; Docteur de l'Universite de Grenoble, 1911.
- OLIVER HUNTINGTON RICHARDSON, Professor of European History.  
A. B., Yale, 1889; A. M., Ph. D., Heidelberg (Germany), 1897.

# FACULTY AND OTHER OFFICERS

19

- GEORGE BURTON RIGG, Associate Professor of Botany.  
B. S., Iowa, 1896; B. DL., 1899; A. M., Washington, 1909; Ph. D., Chicago, 1914.
- MILNOR ROBERTS, Professor of Mining Engineering and Metallurgy and Dean of the College of Mines.  
A. B., Stanford, 1899.
- LETTIE LEE ROCHSTER, Associate in English.  
A. B., University of Washington, 1915.
- MORITZ ROSEN, Assistant Professor of Music.  
Graduate Warsaw Conservatory, Russia.
- HARRY RUBEY, Associate Professor of Civil Engineering.  
B. S. (C. E.), Illinois, 1905.
- LUIS SANTANDER, Assistant Professor of Spanish.  
B. S., Ph. B., University of Santiago, Chile, 1894; LL. B., 1898; Licenciado in Laws, 1899.
- EDWIN JAMES SAUNDERS, Assistant Professor of Geology.  
B. A., Toronto, 1896; A. M., Harvard, 1907.
- WILLIAM SAVERY, Professor of Philosophy.  
A. B. Brown, 1896; A. M., Harvard, 1897; Ph. D., 1899.
- RICHARD FREDERICK SCHOLZ, Professor of Ancient History.  
A. B. Wisconsin, 1902; A. M., 1903; Ph. D., 1911.
- HAROLD OGDEN SEXSMITH, Instructor in Architecture.  
Armour Institute of Technology; Chicago Art Institute.
- MYRTA DOROTHY SHANK, Assistant Professor of Home Economics for Extension Service.  
B. S., Teachers' College, Columbia, 1918.
- GORDON RUSSELL SHUCK, Instructor in Electrical Engineering.  
E. E. Minnesota, 1906.
- THOMAS KAY SIDNEY, Associate Professor of Latin and Greek.  
B. A. Toronto, 1891; Ph. D., Chicago, 1900.
- ELVINE SIMON, Associate in French.  
Graduate, St. Annen Schule, (Gymnasium) Petrograd, 1902; University of Geneva.
- FRANCES BECKWITH SKINNER, Associate in Home Economics for Extension Service.  
B. S. Teachers' College, Columbia, 1916.
- MAOY MILMORE SKINNER, Acting Assistant Professor of Business Administration.  
A. B., Harvard, 1894; A. M., 1895; Ph. D., 1897.
- LLOYD LEROY SMALL, Instructor in Mathematics.  
A. B., Washington, 1911; A. M., 1912; Ph. D., Columbia, 1913.
- CHARLES WESLEY SMITH, Reference Librarian and Associate Professor of Library Economy.  
A. B., Illinois, 1903; B. L. S., 1905.
- ELI VICTOR SMITH, Assistant Professor of Zoology.  
Ph. B., Illinois Wesleyan, 1907; A. M., Washington, 1909; Ph. D., Northwestern, 1911.
- J. ALLEN SMITH, Professor of Political Science.  
A. B., Missouri, 1886, LL. B., 1887; Ph. D., Michigan, 1894.
- GEORGE MCPHAIL SMITH, Professor of Inorganic Chemistry.  
B. S., Vanderbilt, 1900; Ph. D., Freiburg, 1903.
- HARRY EDWIN SMITH, Associate Professor of Business Administration.  
A. B., De Pauw, 1906; Ph. D., Cornell, 1912.
- STEVENSON SMITH, Professor of Psychology.  
A. B., Pennsylvania, 1904; Ph. D., 1909.
- WILLIAM SPRARAGAN, Instructor in Electrical Engineering.  
B. S. (E. E.), Union College, 1916.
- MATTHEW LYLE SPENCER, Professor of Journalism and Director of the School of Journalism.  
A. B., Kentucky Wesleyan College, 1908; A. M., 1904; A. M., Northwestern University, 1905; Ph. D., Chicago, 1910.
- ROBINSON SPENCER, Catalogue Librarian and Instructor in Library Economy.  
A. B., Wesleyan University, 1903; B. L. S., Illinois, 1918.
- EDWIN AUGUSTUS START, Director of the Extension Service.  
A. B., Tufts, 1884; A. M., Harvard, 1893.
- CHARLES MUNROB STRONG, Assistant Professor of Spanish.  
A. B., Missouri, 1897; A. M., 1900.
- MILDRED STRUBLE, Associate in English.  
A. B., Washington, 1916.
- FULK TADAMA, Extension Lecturer on Fine Arts.
- HERMAN VANCE TARTAR, Acting Assistant Professor of Chemistry.  
B. S., Oregon Agricultural College, 1902.
- JOSEPH MARION TAYLOR, Acting Instructor in Mathematics.  
M. S., Adrian College, 1886.
- CURTIS THING, Acting Associate in Chemistry, (autumn and winter quarters.)  
B. S. Lenox College, 1914; M. S. Washington, 1917.



- EARL THOMA, Acting Instructor in Business Administration.  
State Normal, Fremont, Nebraska.
- JOHN HOWARD THOMPSON, Acting Instructor in Civil Engineering.  
B. S., (Met.), Washington, 1919.
- THOMAS GORDON THOMPSON, Assistant Professor of Chemistry.  
A. B., Clark College, 1914; M. S., Washington, 1915; Ph. D., 1918.
- DAVID THOMSON, Professor of Latin and Dean of the College of Liberal Arts.  
B. A., Toronto, 1892.
- PAUL ALEXIS UMOFF, Extension Lecturer on the Russian Language.  
Polytechnic Institute of Petrograd.
- GEORGE WALLACE UMPHREY, Associate Professor of Romanic Languages.  
B. A., Toronto, 1899; A. M. Harvard, 1901; Ph. D., Harvard, 1905.
- CLINTON LOUIS UTTERBACK, Instructor in Physics.  
B. S., Purdue, 1908; M. S. University of Washington, 1918.
- ROBERT BOWMAN VAN HORN, Acting Instructor in Civil Engineering, (winter and spring quarters.)  
B. S. (C. E.), Washington, 1916.
- LOUISE VAN OGLE, Instructor in Music.  
Theoretical Work, Dr. Bridge, Chester, England; Richter, Leipzig; Piano, Godowsky, Berlin; Lhevinne, Berlin; Harold Bauer, Paris.
- ALBERT FRANZ VENINO, Assistant Professor of Music.  
New York Conservatory of Music; Pupil of Leschetizky.
- EDWIN JOHN VICKNER, Professor of the Scandinavian Language.  
A. B., Minnesota, 1901; A. M. 1902; Ph. D., 1905.
- SARA REA VINSONHALER, Acting Instructor in Fine Arts (autumn and winter quarters.)  
B. F. A., Washington, 1918.
- THOMAS TALBOT WATERMAN, Associate Professor of Anthropology.  
A. B., California, 1907; Ph. D., Columbia, 1913.
- CHARLES EDWIN WEAVER, Associate Professor of Geology.  
B. S., California, 1904; Ph. D., 1907.
- JAMES WEHN, Associate in Modeling and Sculpture.
- JOHN WEINZIRL, Professor of Bacteriology.  
B. S., Wisconsin, 1896; M. S., 1899; Ph. D., 1906; Dr. P. H. Harvard, 1918.
- FRED FALCONER WELD, Associate in Civil Engineering.  
B. S., Pennsylvania State College, 1893; C. E., 1902.
- EARL DOWNS WEST, Instructor in Mathematics.  
A. B., Ohio State College, 1900; A. M., Adrian College, 1908.
- MARY ALMA WETTON, Instructor in Chemistry.  
B. S., Chicago, 1915.
- RUSSELL HUBBARD WHITE, Instructor in Civil Engineering.  
B. S., Massachusetts Institute of Technology, 1916.
- WALTER BELL WHITTLESEY, Instructor in French.  
A. B., Washington, 1907; A. M., 1909.
- GEORGE WHITWELL, Associate in Chemical Engineering.  
B. S., Massachusetts Institute of Technology, 1915.
- MARJORIE HELEN WHIPPLE, Associate in Chemistry (winter and spring quarters.)  
A. B., Colorado College, 1917.
- ELWOOD MORTON WILBUR, Instructor in Civil Engineering (winter and spring quarter.)  
B. S., (C. E.), Maine, 1917.
- ARTHUR MELVIN WINSLOW, Associate Professor of Mechanical Engineering.  
Ph. B., Brown University, 1903; B. S., Massachusetts Institute of Technology, 1906.
- GEORGE SAMUEL WILSON, Associate Professor of Mechanical Engineering.  
B. S., Nebraska, 1906.
- HEWITT WILSON, Assistant Professor of Ceramics.  
Cer. Engr., Ohio State University, 1913.
- WILLIAM RONALD WILSON, Instructor in Psychology (winter and spring quarters.)  
A. B., Washington, 1917.
- ROY MARTIN WINGER, Assistant Professor of Mathematics.  
A. B., Baker, 1906; Ph. D., Johns Hopkins, 1912.
- HUGO WINKENWERDER, Professor of Forestry and Dean of the College of Forestry.  
B. S., Wisconsin, 1902; M. F., Yale, 1907.
- CARL PAIGE WOOD, Assistant Professor of Music.  
A. B., Harvard, 1906; A. M., 1907.
- CLIFFORD WOODY, Associate Professor of Education.  
A. B., Indiana, 1908; A. M., 1913; Ph. D., Columbia, 1916.
- HOWARD WOOLSTON, Professor of Sociology.  
A. B., Yale, 1898; S. T. B., Chicago, 1901; M. A., Harvard, 1902; Ph. D., Columbia, 1909.

- JOHN LOCKE WORCESTER, Associate Professor of Anatomy.  
M. D., Birmingham School of Medicine, University of Alabama, 1900.
- EUGENIE HUTCHINSON WORMAN, Associate in Fine Arts.  
Pratt Institute.
- ELSIE CLARISSA ZIESE, Instructor in Design.  
B. S., Teachers College, Columbia, 1917.
- CONRAD ZIMMERMAN, Lecturer on Timber Physics.  
A. B., University of Washington, 1908.

## BOARDS AND COMMITTEES

1920-1921

## ADMINISTRATIVE BOARDS

- ADVISORY TO THE PRESIDENT—The Board of Deans, Meany, Padelford, Gowen, Osborn, Kincaid, Eastwood.
- EXTENSION SERVICE—Start, Thomson, Landes, Bolton, Miller, Raitt, H. T. Condon.
- BOARD OF DEANS—Condon, Thomson, Magnusson, Roberts, Johnson, Winkenwerder, Padelford, Landes, Bolton, Glen, Miller, Coldwell, Henry, Start, Spencer, Stone.
- SUMMER QUARTER—Board of Deans and the Comptroller.
- CONSULTING ENGINEERS—Eastwood, Magnusson and Harris.

## COMMITTEES OF THE FACULTY

The President is *ex-officio* a member of each standing committee.

- ADMISSIONS AND REGISTRATION—The Registrar and the Deans of the Colleges and Schools.
- ART—Gould, Densmore, Patterson, Edens and Wehn.
- ASSEMBLY—Densmore, Glen and Benson.
- ATHLETICS—L. J. Ayer, Hall, Moritz, Dehn, Densmore.
- CURRICULUM—Savery, Bolton, Johnson, Magnusson, Winkenwerder, Spencer, Cobb, Glen, Henry, Osborn, L. J. Ayer, Daniels and Stone.
- GRADUATION—Thomson, Landes, Magnusson, Lantz, Kirkland, Custis, Woody, and Stone.
- HONORS—Padelford, Savery, Carpenter, Curtis, and T. S. McMahon.
- JUNIOR COLLEGES—Padelford, Thomson, Frye, Bolton, E. McMahon and Stone.
- LIBRARY—Henry, Thomson, Padelford, Frye, Richardson, Patzer and Loew.
- PRE-MEDICAL COURSE—Worcester, Johnson, Weinzirl, Kincaid and Hall.
- PUBLICATIONS—Henry, Landes, Padelford, Start, Umphrey, Densmore, Bell and Kennedy.  
(Catalogue, Directory, the Registrar.)
- RELATIONS WITH SECONDARY SCHOOLS—Bolton, Thomson, Padelford, Frye, Frein and Stone.
- RULES—Benham, Goodner, Strong, Bell and Stone.
- SCHEDULE—Stevens, Wilson, Daniels, Rigg, Woody, Chittick, Wood, and Sexsmith.
- SPECIAL STUDENTS—The Registrar and Deans.
- STUDENT AFFAIRS—Thomson, Winkenwerder, Padelford, Scholz, McMahon, Curtis, Haggett and eight representatives of student organizations.
- STUDENT HEALTH AND WELFARE—Hall, Coldwell, Weinzirl, Allison, E. V. Smith, Worcester and Bartlett.
- RHODES SCHOLARSHIP—Densmore, L. J. Ayer, Scholz and Harrison.
- WASHINGTON UNION—Meany, J. T. Condon, Landes, Thomson, Miller, and H. T. Condon.
- MILITARY AND NAVAL AFFAIRS—Osborn, Eastwood, More, Start, Boothroyd and Harrison.

## GENERAL INFORMATION

### HISTORICAL

The foundation for the establishment of the University of Washington was laid in 1854, when Governor Issac 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.

### 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. As yet the property belonging to the institution as an endowment yields little revenue. The income from this property will some day greatly help to support the University.

The legislative maintenance appropriation for the biennium 1919-1921 will yield \$1,633,489, based upon the tax levy of .74 of a mill. This is augmented from sundry receipts from property income.

Besides this, the Legislature appropriated the tuition and endowment receipts for the biennium for a permanent building fund. This was expected to provide for the erection of one or two new buildings.

The Legislature also appropriated \$20,000 for the establishment and coöperative maintenance of the Seattle Mining Experiment Station of the United States Bureau of Mines on the University campus; and \$7,500 for the expense of cruising the University timber lands throughout the state, looking to the exchange of these lands for a centralized demonstration forest.

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.

#### BEQUESTS

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.

## EQUIPMENT

### GROUNDS

The grounds are ample to meet every need of the University. There are approximately 450 acres, all within the city limits of Seattle, lying between Lakes Union and Washington, with a shore line of over 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: Administration Hall, Architecture Building, Armory for the cadet regiment, Astronomical Observatory, Bagley Hall, Book Store, Commerce Hall, Crew House for men, Denny Hall, Dry Kiln, Engineering Hall, Engineer's residence, Executive residence, Faculty Club House, Forestry Hall, Forge and Foundry Building, Gazert Building, Gymnasium, Home Economics Hall, Lewis Hall and Clark Hall, Library, Meany Hall, Men's Hall, Mines Hall, Museum, Power House, Practice Cottage, Science Hall, U. S. Bureau of Mines, U. S. Mine Safety Station, Wood Preservation Plant. Philosophy Hall will be completed for occupancy for the coming autumn quarter.

### LIBRARY FACILITIES

The general library contains 96,644 volumes, and receives 550 current magazines. About 6,000 volumes a year are 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

By an enactment of the Legislature of the State of Washington in 1899 the museum at the University of Washington was "constituted the State Museum and the depository for the preservation and exhibition of documents and objects possessing an historical value, of materials illustrating the fauna, flora, anthropology, mineral wealth, and natural resources of the state, and for all documents and objects whose preservation will be of value to the student of history and the natural sciences."

The nucleus of this museum, consisting of a small ethnological collection, was formed in the late '70s by Dr. A. J. Anderson, president of the University, and later supplemented by a collection of fish, presented by Dr. David Starr Jordan. The real start toward a permanent museum, however, was made in 1904, when the extensive collections of the Young Naturalists' Society of Seattle were presented to the University. These collections have been augmented from time to time by accessions from the World's Fair at Chicago; the Lewis and Clark Exposition at Portland; the Alaska-Pacific-Yukon Exposition at Seattle; and by gifts, purchases, and loans from private individuals. The museum is at present located in the Forestry Building, a building of Grecian design, constructed of 126 main columns of Douglas fir, from five to six feet in diameter, and from 42 to 54 feet high, a remarkable exhibit in itself of the timber resources of the Northwest.

#### LABORATORIES

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

##### ANATOMY LABORATORY

The laboratory for human anatomy has been arranged to secure a maximum of light and cleanliness. Besides laboratory tables, study tables have been installed. All necessary equipment in the way of skeletal, chart and model materials are available.

##### ASTRONOMY LABORATORIES

The observatory is housed 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, Gaetner chronograph, Astro-Petzel 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 and bacteriological laboratories are on the third floor and in basement of Science Hall. They occupy about 5,000

feet of floor space divided as follows: Three large laboratories of about 1,000 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.

#### CHEMICAL LABORATORIES

The chemical laboratories are housed in a thoroughly modern fireproof building. There are fully equipped separate laboratories 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 under 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

*Hydraulic.*—The hydraulic laboratory will soon be transferred to its new location on the shore of Lake Union, where facilities are available for both medium and high 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 in. pipe leading from an elevated tank 300 feet above the floor.

*Structural Materials.*—The structural materials testing laboratory contains five universal testing machines with capacities from 30,000 to 200,000 pounds, two impact machines with various hammers ranging in weight from 550 to 1,500 pounds, with the necessary auxiliary apparatus for general work.

*Cement.*—The equipment for testing hydraulic cement is complete for all the ordinary tests as specified by the American Society of Civil Engineers.

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

*Surveying.*—The 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 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. 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.

#### 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 it is hoped to build up a representative series of the fishes found in American waters, with particular reference to forms of economic importance. The foundation has also been established for 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 effect 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 for market in the United States.

The canning laboratory is equipped with all the machinery and appliances necessary for canning all varieties of fishery products, 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 pickling, dry-salting, mild-curing and smoking 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 the smoking of various species and their utilization as food either in this condition 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 and closed-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.

#### FOREST AND LUMBERING LABORATORIES

*Dendrology.*—Individual lockers. Extensive collections of tree seeds, cones and bark specimens. An arboretum is under way.

*Lumbering.*—Field work is given at logging camps and sawmills about Seattle. A 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 equipments such as wire ropes, axes, hooks, blocks, special appliances for donkey engines, sawmill belts, a model of high lead logging, and other tools or equipment used in logging and milling.

*Mensuration.*—Equipments selected to show all principal types of instruments in use. Those particularly 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 in and near Seattle offer wide opportunities for practical studies and demonstrations. An extensive forest tree nursery of the College of Forestry affords an 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 the microscopic study are provided. Hand specimens and planks of domestic and foreign commercial timbers are provided in large quantities. Microscopic slides of nearly all American woods are kept on hand for check specimens.

*Forest Products Laboratories.*—A movement is now on foot for the establishment of a completely equipped Forest Products Laboratory to cost approximately \$60,000. The laboratories for work in forest products now ready on the campus consist of four distinct units, as follows:

1. *General Laboratory.*—This is 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.

2. *Wood Preservation Laboratory.*—This consists of both an open tank and a pressure plant. The former is of commercial size for treating ties. It is 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-foot retort, air compressor and vacuum pumps and a duplex pressure pump, and is so constructed that it may be used for any of the different pressure processes.

3. *Wood Distillation Plant.*—This 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.*—This consists of a 60,000-acre 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.

#### 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 LABORATORY

The journalism laboratory, occupying a space 30x60 feet in the basement of Commerce Hall, is equipped with chases, imposing stones, type materials (head, body and advertising type), borders, and everything necessary to teach students how to dress a newspaper. For the student interested in the advertising and commercial printing end, there is other special equipment. A laboratory library of literature from supply houses always contains the newest information on type, paper, furniture, engravings and all equipment of the publishing and allied trades.

The journalism laboratory opens into the University printing plant, where practically all University printing is done. This makes convenient regular assignment hours on various types of machinery, since the plant has its own slug casting and type setting machines, cylinder, platen and rotary presses, folder, cutter stitcher, 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 calorimeters, 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 College of Mines is housed in a two-story building of pressed brick. The main portion of the structure, contains the offices, library, classrooms, drafting room and museums, as well as laboratories, desks, stockroom and balance rooms for assaying and general metallurgy. The rear wing, is occupied by mining and milling machinery, electric furnaces, and stocks of ores, coals and clays. An addition contains a metallographic laboratory.

*Mining Equipment.*—The equipment consists of an air compressor, receiver, three rock drills, aerial tram, loading and tamping models, hand tools, full equipment for practice in blasting, models, drawings blueprints, photographs, lantern with 1200 slides, and collections of ores and minerals. The College of Mines' mill contains breakers, rolls, 8-stamp battery, feeders, screens, classifiers, jigs, four concentrating tables, flotation cells of six types, coal washing equipment, and accessory apparatus.

*Metallurgical Equipment.*—The equipment includes standard size furnaces fired by six methods—coal, coke, gasoline, gas, fuel-oil and electricity. Electric current to the amount of 200 kilowatts is available for extensive experiments in electric smelting. Other important pieces of equipment are a reverbratory furnace, pyrometers of several types, cyanide equipment, amalgamating devices, blowers, calorimeters, balances, sampling machines, and exhibits of metallurgical processes and products.

*Ceramic Equipment.*—Structural and Refractory Wares: Crusher, rolls, four-foot dry and wet pan, Meuller auger machine for brick, tile and hollow building block, steam dryer and kilns. Terra cotta: Plaster molds, De Vilbiss spraying apparatus, trans-

verse and tensile strength machine, engobe and glaze materials, ball mills. Pottery: Patterson clay washing outfit, including double blunger, power screens, agitator, pump and filter press, potter's pug mill, potter's wheel, plaster mold and pottery kiln. General testing: Brass sample molds, overflow type of volumeters, pyrometric cone mold, constant temperature electric dryer, gas fired frit kiln, hygrodisk, Brown radiation pyrometer, carbon resistance electric furnace for high temperatures and a complete series of standard pyrometric cones.

#### UNITED STATES BUREAU OF MINES SEATTLE MINING EXPERIMENT STATION

The United States Bureau of Mines maintains a mining and metallurgical experiment station for the Pacific Northwest and the coast regions of Alaska at the College of Mines. 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 furnace 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 electro-metallurgy, the treatment and uses of coal, and in ceramics.

#### UNITED STATES MINE SAFETY STATION

The Mine Safety Station occupies a separate building. The "smokeroom," fitted with track and car, overcast airway and smudge floor, is the largest of its kind in the country. Several sets of rescue and resuscitation apparatus are kept on hand for practice as well as for use in mine rescue work, or emergencies such as asphyxiation, drowning, electric shock, and the like. A White automobile truck of 45 H.P., with a capacity of six men and six sets of rescue apparatus, is kept in constant readiness for service in the nearby mining fields of the state.

#### PHARMACY AND MATERIA MEDICA LABORATORIES

Rooms devoted to pharmacy and materia medica are located in Bagley Hall. A room accommodating thirty-two students working at one time is used for manufacturing pharmacy. Work in prescription practice receives special attention in a room constructed as a model prescription pharmacy. The materia medica room contains a drug museum of several hundred samples of official and unofficial crude drugs. This room is fitted with desks suitable for microscopic work. Work in drug analysis and the several courses in chemistry are located in suitable rooms in other parts of the building.

## PHYSICS

The laboratories set apart for the use of the department consists 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.*—The bureau 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 LABORATORY

In the fall of 1920 the psychology laboratory will occupy most of the third floor of Philosophy Hall. The fourth floor of this building, which will ultimately be a part of the laboratory, is to be occupied temporarily by another department.

## ZOOLOGY LABORATORIES

The laboratory work of the department of zoology is conducted in six rooms located on the second floor of Science Hall. Here are adequate facilities for pursuing the following lines of investigation: General zoology, physiology, cytology, parasitology, 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 development of industrial research in the University.

A large number of investigations in the industrial field have been in progress for many years in the University, either by the efforts of individual faculty members and students or through organized groups, such as the Timber Testing Laboratory, the Bureau of Testing, Radio Experiment Station, and especially the Bureau of Industrial Research. As an indication of the research already accomplished, reference is made to the important papers already published.

The Engineering Experiment Station includes all the bureaus and departmental groups previously active in engineering and industrial research, as well as the field occupied by individual investigators.

The scope of the work is twofold:

(a) 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;

(b) To undertake extended research and to publish reports on engineering 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, as 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.

## ENTRANCE 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 being 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.

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 supervisors, 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:
  - (1) The College of Business Administration, covering a course of twelve quarters the fundamentals of scientific training for industry and commerce. The degree given is bachelor of business administration.
  - (2) The College of Education, in a course of twelve quarters, prepares students for careers in the field of education as high school teachers and school administrators. The degree is bachelor of 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.
  - (4) The College of Fine Arts offers curricula of twelve quarters in architecture, vocal, instrumental, or pub-



lic school music, or musical theory, painting and design, public school drawing, and music and drawing, leading to the degrees of bachelor of architecture, or bachelor of fine 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. The degree offered is that of bachelor of science in fisheries.
- (6) The College of Forestry offers a curriculum of twelve quarters preparing for work in scientific forestry or in the industry of lumbering. The degree offered is that of bachelor of science. 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 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 likewise has a three-year or nine-quarter curriculum, which must be preceded by the work required for a junior certificate in the College of Liberal Arts or the College of Science. It prepares for professional library work and gives the degree of bachelor of library economy. The degree of bachelor of arts or bachelor of science may be obtained at the end of the second year in the Library School.

- (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 two, three, and four-year courses, the first preparing for practical pharmacy, the second for commercial pharmacy, and the third providing a well rounded scientific training in this field. The two-year course leads to the degree of graduate in pharmacy, the three-year course to that 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 and research work and leads to the degree of master of science in pharmacy.
- (C) The Graduate School. In this school the master's degree in arts or science is given after at least one year of resident work of high grade and special character. The degree of doctor of philosophy is given in four departments, botany, chemistry, English, and mathematics.

*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. 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.*—There are also given certain semi-professional curricula 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

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

All correspondence regarding the admission of students to the resident courses of the University, as well as the requirements for graduation, should be addressed to the Registrar. Every applicant for admission at the beginning of the autumn quarter, is requested to forward his credentials as early in the summer as possible, at the same time indicating the college or school of the University that he intends to enter. *Credentials for students expecting to enter the autumn quarter should be received in the Registrar's office before August 15.*

*Admission by Certificate.*—A graduate of a four-year accredited secondary school, whose course has covered the requirements for entrance as either a regular or an unclassified student (see pages 13-16) 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.

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 list of accredited secondary schools in the State of Washington is as follows:

## I. PUBLIC HIGH SCHOOLS

Aberdeen	Endicott	Napavine	Shelton
Almira	Enumclaw	Newport	Snohomish
Anacortes	Ephrata	Nooksack	South Bend
Arlington	Everett	North Bend	Spangle
Asotin	Fairfield	Oakesdale	Spokane—
Auburn	Fall City	Oakville	Lewis and Clark
Battle Ground	Farmington	Odessa	North Central
Bellingham	Ferndale	Okanogan	Orchard Avenue
Whatcom	Foster	Olympia	Sprague
Fairhaven	Friday Harbor	Omak	Stanwood
Bickleton	Garfield	Oroville	Stevenson
Black Diamond	Goldendale	Orting	St. John
Blaine	Grandview	Outlook	Sultan (U.H.)
Bothell	Granger	Palouse	Sumas
Bremerton (U. H.)	Granite Falls	Pasco	Sumner
Brewster	Harmony	Pe Ell	Sunnyside
Buckley	Harrington	Pomeroy	Tacoma—
Burlington	Hartline	Port Angeles	Lincoln
Burton (U.H.)	Hillyard	Port Townsend	Stadium
Camas	Hoquiam	Prescott	Tekoa
Cashmere	Ilwaco	Prosser	Tenino
Castle Rock	Issaquah	Fullman	Toledo
Centralia	Kalama	Puyallup	Tolt (U.H.)
Chehalis	Kelso	Raymond	Tonasket
Chelan	Kennewick	Reardan	Toppenish
Cheney	Kent	Redmond	Touchet
Chewelah	Kettle Falls	Renton	Vader
Clarkston	Kirkland (U.H.)	Republic	Vancouver
Cle Elum	Kittitas (U.H.)	Richland	Vashon
Colfax	La Conner	Ridgefield	Vera
Colville (U. H.)	La Crosse	Ritzville	Waitsburg
Coulee City	Latah	Rochester	Walla Walla
Coupeville	Leavenworth	Rockford	Wapato
Creston	Lebam	Rosalia	Washougal
Davenport	Lind	Roslyn	Washtucna
Dayton	Lynden	Roy	Waterville
Deer Park	Mabton	Seattle—	Wenatchee
Deming	Malden	Ballard	White Salmon
Doty	Marysville	Broadway	Wilbur
Dryad	Mead	Franklin	Wilson Creek
Duvall	Medical Lake	Lincoln	Winlock
Eatonville	Meridian (U.H.)	Queen Anne	Winslow
Edison	Monroe	West Seattle	Woodland
Edmonds	Montesano	Sedro Woolley	Yacolt
Edwall	Mossy Rock	Selah	Yakima
Ellensburg	Mount Vernon (U.H.)	Sequim	Zillah
Elma			

## II. OTHER SECONDARY SCHOOLS

Annie Wright Seminary, Tacoma  
 Forest Ridge Convent, Seattle  
 Holy Angels Academy, Seattle  
 Holy Names Academy, Seattle  
 Holy Names Academy, Spokane  
 Moran School, Rolling Bay  
 Pacific Lutheran Academy, Parkland  
 Seattle Pacific College, Seattle (academy)

Spokane College, Spokane (preparatory department)  
 St. Helen's Hall, Portland, Oregon  
 St. Martin's College, Lacey (high school department)  
 St. Nicholas School, Seattle  
 St. Paul's Academy, Walla Walla  
 Walla Walla College Academy, Walla Walla  
 Y. M. C. A., Seattle

## 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 a leading university whose standards of admission are practically the same as those of the University of Washington.

*Admission by Examination.*—Applicants for admission by examination are required to pass 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 University on Thursday, Friday and Saturday preceding the opening of each quarter.


The schedule of hours for examination may be obtained from the Registrar.

Certificates of successful examinations before the College Entrance Examination Board will be accepted in lieu of Matriculation examinations conducted by the University of Washington.

*Examinations for Exemptions in English.*—The department of English will give an entrance examination in English composition for those students who wish to attempt it, with the view to 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.

## REGISTRATION

Registration of all students for the autumn quarter will take place on Friday, Saturday and Monday, September, 24, 25, and 27, 1920; for the winter quarter on Monday and Tuesday, January 3 and 4, 1921; for the spring quarter, Tuesday and Wednesday, March 29 and 30, 1921; and for the summer quarter, Tuesday and Wednesday, June 21 and 22, 1921.

 *Applicants for admission who fail to send in full credentials in time to be checked before registration cannot be assured of an opportunity to register until after the regular registration dates.*

*Late Registration.*—The dates noted above are officially set apart for registration and enrollment, and all students are expected

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\* 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.

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. Registration by proxy is not permitted.

*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.

### 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 presents fifteen units<sup>‡</sup> 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) Latin and Greek (not less than 2 units of Latin, or 1 of Greek will be counted).
  - (2) Modern foreign language (at least 2 units in one language; not less than one unit will be counted in any language).
  - (3) History, civics, economics (at least one unit to form a year of consecutive work in history).
  - (4) 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) - (4).
- (f) 5 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 modern foreign language and not less than 2 full units in Latin. A maximum of 4 units will be counted in vocational subjects, except for admission to the College of Business Administration. For admission to this college only 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).

A candidate who fulfills these requirements will be admitted to freshman standing in any of the colleges of the University. How-

<sup>‡</sup> 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.

ever, 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. These subjects 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.

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.
- \* 2 units in one foreign language.

#### CURRICULUM PREPARATORY TO MEDICINE (COLLEGE OF SCIENCE)

- 3 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.
- 1 unit of physics.
- 2 units of either French or German.

#### CURRICULUM FOR NURSES (COLLEGE OF SCIENCE)

- 3 units of English.
- 1 unit of algebra.
- 1 unit of plane geometry.
- 1 unit of United States history or civics.
- 1 unit of medieval and modern history.
- 2 units of either French or German.

#### CURRICULA IN HOME ECONOMICS (COLLEGE OF SCIENCE)

For admission to any of these curricula, a student may satisfy the entrance requirements of either the College of Science or the College of Liberal Arts.

#### COLLEGES OF EDUCATION AND FINE ARTS\*

- 3 units of English.
- 1 unit of algebra.
- 1 unit of plane geometry.
- 2 units in one foreign language.
- 1 unit in one of the following: physics, chemistry, botany, zoology.
- 1 unit in a history.
- or  $\frac{1}{2}$  unit U. S. history, and  $\frac{1}{2}$  unit civics.

#### COLLEGE OF BUSINESS ADMINISTRATION

- 3 units of English.
- 1 unit of algebra.
- 1 unit of plane geometry.
- 2 units of history, (American and modern history preferred).

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\* Beginning with 1921, two years of one foreign language will be definitely required for admission to the College of Liberal Arts, the College of Science, or the College of Fine Arts. For the College of Science this language must be French or German; for the College of Fine Arts any modern foreign language; for the College of Liberal Arts any foreign language. If the requirement has not been met in high school, it must be made up in college without credit.

## COLLEGES OF ENGINEERING AND MINES

- 3 units of English.
- 1½ units of elementary and advanced algebra.
- 1½ units of plane and solid geometry.
- 1 unit of physics.

## COLLEGE OF FORESTRY

- 3 units of English.
- 1½ units of elementary and advanced algebra.
- 1½ units of plane and solid geometry.
- 1 unit of physics.
- 1 or ½ unit of botany.
- 2 units in one foreign language.

## COLLEGE OF PHARMACY

*For the two-year and three-year courses:*

- 3 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 of plane geometry.
- 2 units in one foreign language.
- 1 unit in one of the following: physics, chemistry, botany, zoology, physiology, general biology. (Must include satisfactory amount of laboratory work).

## COLLEGE OF FISHERIES

- 3 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 does not meet the 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.

*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. Under certain regulations, however, a student who cannot be admitted to freshman standing or as an unclassified student, may be admitted, classified as a special student, and allowed to register for those courses only for which he shows special preparation.



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. For admission to any college or school of the University, 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 submitted to the Registrar 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. When it seems necessary to assure the applicant's preparation for the particular courses desired, an examination will be required.
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, or if his work has not been good.
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. 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.*

*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.

*Admission to the School of Law, Library School and School of Journalism.*—Clear entrance to the College of Liberal Arts or the College of Science, and 102 hours (2 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 the Library School and the School of Journalism.

*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, Science, or Education. For graduation with the degree of bachelor of arts, bachelor of science or bachelor of 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 colleges as have not been fairly covered by previous work. Normal graduates desiring admission to any of the other colleges of the University will be given such credit or exemption as their preparation may 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, without payment of any fee. This provision does not apply to laboratory courses, or to any courses offered in the summer quarter.

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

### EXPENSES

*Tuition.*—By authority of a special act of the legislature of the State of Washington passed in 1919, vesting the Board of Regents with full power to modify existing fees and to establish new ones, the following fees became effective at the opening of the summer quarter of 1919.

*University Tuition.*—A general tuition fee of \$10 per quarter will be collected from each student at the beginning of each quarter, excepting as noted below under "exemptions."

*Law Tuition.*—In addition to the general university tuition fee of \$10 paid by each student, a special tuition fee of \$10 a quarter will be collected from all students registering in the School of Law. Students taking work in the School of Law and also in other schools and colleges of the University will pay at the rate of \$1 for each credit hour of law work elected.

*Short Courses.*—The tuition for registration in all short courses, such as mining, forestry, fisheries, and marine biological station is the same as for any quarter, viz. \$10.

*Exemptions.*—Any honorably discharged soldier, sailor, marine, or nurse, who served during the war with Germany, is entitled to register and attend courses without the payment of any fees except special or individual instruction fees and except student laboratory deposit fees and disciplinary fees.

The university authorities may, in their discretion, also grant exemption from the payment of tuition for a given quarter to a limited number of students who after one quarter of residence at the University have shown themselves worthy from the standpoint of scholarship and financial need.

Application for the war, as well as the scholarship, exemption must be made in person to the Dean of Men or the Dean of Women. In the case of war exemptions, proper evidence of an honorable discharge must be offered.

*Refunding of Fees.*—Tuition fees are not returnable in whole or in part, except that in extreme cases, one-half of such tuition may be returned in case the student is compelled to withdraw within sixty days of the date of his registration by reason of sickness or other causes entirely beyond his control. Students withdrawing under discipline forfeit all rights to the return of any portion of the fees.

No part of the tuition may be refunded under any circumstances after sixty days from the date of the student's registration.

*Associated Students' Fee.*—The regular Associated Student fee has been increased from \$5 to \$10 for the year (exclusive of the Summer Quarter).

This fee may, at the option of the student, be paid entirely in advance, subject to refunds designated by the A. S. U. W., or it may be paid \$5 for the first quarter, and \$2.50 each for the second and third quarters. The corresponding fee for the Summer Quarter is \$1.

Payment of this A. S. U. W. fee is optional with graduate students, teachers attending classes on Saturdays only and at irregular hours, regularly enrolled extensions students, any students registered for not more than six hours of work, and Seattle teachers who have served or are serving the University by training cadet teachers, provided their cases have been reported to the Registrar by the department of education.

*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, are assigned to the health fund, out of which the infirmary is maintained. The University provides a suitable building, with equipment, a corps of two physicians and two nurses. The infirmary contains medical offices for both men and women, nurses' offices and quarters, and 40 beds. 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 develops 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.

#### LABORATORY DEPOSITS

The actual amount of material that a student may use during a laboratory course cannot always be stated in advance. The student's deposit therefore, as announced in the catalogue, and made at the Comptroller's office, is an amount which is expected to cover the value of the material that will be consumed; this includes the expense involved in the actual repair—and replacements—of the scientific apparatus used by the student. In case these charges overrun this amount it becomes necessary for the student to make a further deposit. At the end of the quarter the student receives a rebate order from the department concerned, which informs the Comptroller as to the amount consumed and a refund is paid accordingly. This rebate order must, however, be presented for payment on or before September 15 next following the date of the receipt. The books are closed after this date and no orders will be honored thereafter.

The following are the laboratory deposits for each quarter in force in the various laboratory courses, arranged by departments:

*Anatomy.*—105, 106, 107—\$3; 104—\$5; 101, 102, 103—\$7.50; 108 to be arranged.

*Astronomy.*—1, 3, 11, 124, 125—\$1; 123, 171—\$2; 172—\$5.

*Architecture.*—54, 55, 56, 104, 105, 106, 154, 155, 156—\$2.

*Bacteriology and Pathology.*—4, 5, 101, 102, 104, 105, 106—\$3; 110, 111, 112, 201, 202, 203—\$4.

*Botany.*—8, 9, 10, 271, 272, 273—\$1; 13, 14—\$1.50; 1, 2, 3, 11, 12, 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.

*Chemistry.*—All courses—\$5; breakage ticket—\$5; desk key—\$.50.

*Civil Engineering.*—1, 4—\$1; 21, 22, 23, 24, 27, 55, 56, 142—\$1.50; 30, 38—\$2; 167—\$3.

*Economics and Business Administration.*—1, 7, 11, 12, 51, 53, 57, 58, 64, 65, 66, 84, 85, 86, 100, 102, 103, 105, 151—\$1; 115—\$2.50; 81, 82, 83—\$3.

*Education.*—171, 186, 187—\$1.

*Electrical Engineering.*—132, 141, 196, 197—\$2; 100, 104, 122, 162, 164, 181, 182—\$4; 15, 20—\$6.

*Fisheries.*—3, 4, 5, 101, 102, 103, 104, 105, 112, 113, 114, 117, S. C. 8, S. C. 9—\$2; 106, S. C. 7—\$3.

*Forestry and Lumbering.*—5, 53, 104—\$1; 1, 51, 52, 58; 101, 102, 105—\$2; 183, 187, 188, 213, 214—\$3.

*Geology.*—1, 2, 5, 11, 12, 31, 32, 112, 113, S. C. 1—\$1; 120, 121, 123, 124, S. C. 2—\$2; 21—\$3.

*Home Economics.*—8, 11, 12, 189, 200—\$1; 143—\$1.50; 25, 32, 35, 101, 102—\$2; 105, 106, 107, 108, 130, 131—\$3; 1, 2, 3, 4, 103, 121, 135, 150—\$4; 5, 6—\$6.

*Journalism.*—51, 52, 53, 61, 62, 63, 75, 76, 77, 101, 102, 103, 105, 120, 121, 122, 130, 131, 132, 135, 136, 140, 141, 142, 160, 161, 162, 170, 171, 172, 173, 174, 175—\$2; (maximum deposit for any one student first three quarters—\$4.)

*Library Science.*—One or more courses—\$1; collected first two quarters.

*Lockers.*—\$.50 per year at Mines, Chemistry and Engineering buildings.

*Mechanical Engineering.*—1, 2, 3, 4, 53, 54, 55, 83, 105, 106, 107, 108, 109, 151, 152, 153, 167—\$2.

*Mines and Mining.*—21—\$2; 101, 151—\$3; 152, 176—\$5; 154, 155—\$5 or \$10.

*Metallurgy.*—103, 106, 163, 164—\$5; 102—\$10; 153, 160—\$12; 101—\$20.

*Ceramics.*—110, 111, 120, 121, 122—\$5; 130, 131, 132—\$5 or \$10.

*Music.*—31, 32, 33, 68, 69, 70, 118, 119, 120, 168, 169, 170—\$15 to \$27 the quarter for one lesson hour according to instructor; practice rooms, 1 hour—\$3; 2 hours—\$5; pipe organ for practice, 1 hour—\$5 per month.

*Painting, Sculpture and Design.*—5, 6, 7, 9, 10, 11—\$1; 53, 54, 55, 72, 73, 74, 103, 104, 157, 158—\$2; 56, 57, 58, 107, 108, 109, 160, 161, 162, 163, 164, 165—\$3.

*Pharmacy.*—15—\$1; 9, 10, 11—\$2.50; 1, 2, 5, 6, 7, 37, 38, 39, 105, 106, 107, 108—\$5; 109, 110, 111, 113, 114, 115, 121, 122, 123, 201, 202, 203 to be arranged; breakage ticket—\$5; desk key—\$.50.

*Physical Education and Hygiene.*—\$1 per year, locker and apparatus; paid by all taking one or more courses. Women's suits, style and cost to be arranged.

*Physics.*—1, 2, 3, 47, 48, 49, 50, 51, 89, 90, 92, 93, 97, 98, 99, 114—\$1.75.

*Political Science.*—1—\$1.

*Psychology.*—1—\$1.

*Zoology and Physiology.*—1, 2, 3, 4, 5, 7, 51, 101, 103, 106, 107, 155, 156, 157—\$2; 54, 55, 56—\$3; 151, 152—\$5.

*Uniform Deposits.*—Each student who is held for military drill is required to make a deposit of \$15 before he draws his uniform. Fourteen (\$14) dollars of this amount is returnable upon the presenting of proper clearance papers from the Military Headquarters: The one (\$1) dollar is retained as a breakage fee.

*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.

*Graduation Fee.*—The fee charged to graduates is \$5 for each one receiving a baccalaureate or higher degree, or a diploma in pharmacy, and \$3 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.

*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 past year, the young women paid \$28.50 a month for board and room at their residence halls and the young men paid \$30. It now seems probable that no change will be necessary in these rates for the ensuing year. 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 \$40. to \$50 a month.

*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 occupation of various sorts. There is an employment bureau conducted by the Y. M. C. A. to secure work for men who have to make their own expenses. There is also a faculty committee which lends its assistance in securing aid for such students. The dean of women renders a similar service for women.

Students who expect to earn a portion of their support are advised not to register for a full schedule of studies.

Every effort is made on the part of the officials of the University to aid students in their efforts to secure employment, but it is not deemed advisable for any one to register unless he has in hand or in immediate prospect sufficient funds to maintain him for the first few months.

#### ACADEMIC AND VOCATIONAL GUIDANCE

*Vocational Secretary.*—The office of vocational secretary has been newly created to assume 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. Offices, Administration Hall.

*Dean of Men.*—When entering the University, young men who have not fully decided on a vocation for life are urged to consult the Dean of Men. Through his office the University is attempting to direct men into vocations for which they are naturally adapted and to point out lines of work in which there is an insufficient supply of well trained men. The dean is always ready, also, 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 will supply lists of approved boarding and lodging places, correspond with parents or guardians who desire to make inquiry concerning their daughters or wards, give advice 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.

## STUDENT GOVERNMENT

As a result of action taken by the A. S. U. W. and ratified by the faculty, the plan has been adopted of having the student members of the board of control act as a discipline committee to deal with cases of misconduct among students. The success of this plan makes it probable that before long student government will be still further advanced.

## DEGREES

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

*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.

*The University Normal Diplomas.*—The University is authorized by law to issue teacher's 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 bulletin of the College of Education.

## FELLOWSHIPS, SCHOLARSHIPS AND AID

*Graduate Fellowships.*—By the will of Sarah Loretta Denny the sum of \$25,000 was bequeathed to this University for the establishment of university fellowships. The income from this fund is at present \$1,250, and affords three graduate fellowships of equal amount, which will be awarded by May 1 of each year by the graduate faculty.

Six Arthur A. Denny Fellowships of \$500 each, open to 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.

Fellowships in physics and chemistry, offered by the National Research Council, are open to promising research students, prefer-



ably those who have already taken the doctor's degree. A successful candidate can pursue his research at the University. The salary will ordinarily be \$1500 for the first year. Fellows are eligible for successive reappointments, ordinarily with increase of salary.

The College of Mines of the University in coöperation 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 \$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. Applicants are due not later than May 15, and should be addressed to the Dean, College of Mines, University of Washington, Seattle, Washington.

The university honor fellowships are awarded annually, under the same scholarship qualifications as those obtaining for the Loretta Denny fellowships.

*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.

*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.

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

*Isabella Austin Scholarship.*—The Isabella Austin scholarship for entering freshmen women was established in 1916 from the income of a fund given in memory of Isabella Austin, Dean of Women, University of Washington, 1909-1915. The award is made annually to a young woman of promise on the basis of scholarship and financial need.

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

*Senior Scholars.*—In June preceding their senior year, juniors who have 132 or more credits with high grade may be elected senior scholars. A senior scholar may be relieved from attendance at regu-

lar lectures or recitations, and may be granted other special privileges in order that he may devote himself to more intensive and more correlated study than the classroom system permits. His work must be in not less than two or more than four allied subjects and it must be correlated so that it will bear upon some common field.

*The Rosenberg Scholarship.*—Mrs. Ella S. Rosenberg of Seattle has established a scholarship in French to be known as the "Samuel Rosenberg Scholarship, endowed in loving memory by his wife, Ella S. Rosenberg." This scholarship produces \$200 a year, and is to be awarded annually to the student who, in the opinion of the department, is the most worthy of it. In making this award, account will be taken of the scholarship, personality and needs of the candidates.

*Washington Alumnae Scholarship.*—The Washington Alumnae offers 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.

*The DuPont Scholarship.*—The E. I. DuPont de Nemours & Company of Wilmington, Delaware, offers an annual scholarship of \$350 for the purpose of encouraging advanced students to continue the study of chemistry. The scholarship is to be granted to a senior or graduate student who makes chemistry or chemical engineering his major subject.

*Imperial Order of Daughters of British Empire Scholarship.*—The Vimy Ridge Chapter of the Imperial Order of the Daughters of the British Empire offers an annual prize of \$100 for an essay 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. It is open to all students.

#### PRIZES

*For Excellency 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.

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.

*For Essays.*—The Philo Sherman Bennett prize of twenty-four dollars annually is "for the best essay discussing the principles of free government."

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 University State Bank offers an annual cash prize of \$25 for the best essay on banking, submitted by a student in the College of Business Administration.

*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.

*For Scholarship in Italian.*—Mr. N. Paoella, 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.

*Men's Freshmen Latin Prize.*—Through the kindness of a friend of the University, a prize of \$50 in gold will be awarded to the man in the freshman class who passes the best examination in Latin work of the year.

*Sophomore Latin Prize.*—A cash prize of \$25, from an anonymous donor, will be awarded to that member of the sophomore class who has done the best work in Latin during the year.

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

*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.

*The A. B. C. China Club Prize.*—The A. B. C. China Club Prize of \$25 is awarded annually for the best pamphlet giving in outline a statement of facts concerning China that would be of particular interest to business men.

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

*The Kellogg Prize in Architecture.*—The William W. Kellogg Prize of \$20 is awarded annually for competitive work in architecture and design and is open to juniors and seniors.

*The Denny-Renton Clay Company Prize.*—An annual prize of \$25. for the best design in architectural terra cotta. Open to juniors and seniors in architecture. Program arranged by the department of architecture. The designs are judged by a jury of visiting architects.

#### STUDENT LOAN FUNDS

Mr. Samuel H. Hedges, of Seattle, has endowed a student loan fund, known as The David Jackson Hedges Memorial Fund, in memory of the donor's son, which affords assistance by way of emergency loans to young men of the University upon application duly approved by the trustees of the fund.

Several minor loan funds have been established which help considerably in the efforts of the university authorities to assist students, both men and women, through financial emergencies. These are placed at a low rate of interest in small amounts for short periods. Young women interested in securing this assistance should consult the Dean of Women.

#### ASSOCIATIONS AND CLUBS

*Alumni Association.*—The permanent executive secretary of the Alumni Association is J. G. Fletcher, who is also vocational secretary of the University, with offices in Administration Hall.

*The Associated Students.*—The Associated Students of the University of Washington (incorporated) is an organization of the entire student body. This corporation transacts annually a business of over \$200,000 and includes the operation of the Student Co-operative Book Store, the University of Washington Daily, and all the other activities of the students. The students have vested the power of government in an annually elected board of control, composed of seven representatives from the undergraduate students, one representative from the graduate students, three representatives from the faculty, three from the alumni, and the president of the A. S. U. W., who acts as chairman of the board. This board appoints the coaches for the various sports, the manager of the book store, the manager of the Daily, and a general manager who has the financial control of all branches of athletics, musical organizations, and contests in debate and oratory. The general manager in turn appoints student assistants for the various activities. The Associated Student fee

of \$10 a year, entitles the student to a subscription to the University of Washington Daily, free admission to all athletic, debating, and oratorical contests given under the auspices of the A. S. U. W., the annual musical concert, the discounts in the co-operative book store, and to all the voting and other privileges of the Association.

*Christian Associations.*—The Young Men's and Young Women's Christian Associations each maintain an organization among the students. They are active in making the new students feel at home and in assisting them in many ways. The "W" book or student handbook will be ready for distribution at registration time. The University Y. M. C. A. is located in the Men's building, and will be glad to assist all men of the University in finding rooms, and part-time employment if desired.

*Department Clubs.*—The following clubs are connected with the work of different University departments: Chemical Club, Classical Club, Deutscher Verein, English Club, Forest Club, French Club, Home Economics Club, Mathematics Club, Pharmacy Club, Political Science Club, Scandinavian Club, Spanish Club.

*Debating.*—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, Oregon Agricultural 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 Glee Club, Orchestra and Band.

*Philological Association.*—The Philological Association was organized to encourage scientific investigation in language 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: Phi Beta Kappa, Sigma Xi, Phi Delta Phi, Phi Delta Chi, Phi Delta Kappa, Phi Lambda Upsilon, Tau Kappa Alpha, Theta Sigma Phi, Sigma Delta Chi, Mim Kaph Mim, Tau Beta Pi, Mu Phi Upsilon, Alpha Kappa Psi, Beta Gamma Sigma, Phi Sigma Chi, Phi Lambda Theta, Hammer and Coffin, Phi Delta Delta, Phi Alpha Delta, Pan Xenia.

*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.

All women students are required to take three hours of gymnasium work per week throughout the first and second years, twelve credits in physical culture 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 year.

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 office of the Registrar.

### 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.

### 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, as above, 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.

#### SCHOLARSHIP STANDING

Any student who is reported at any time during a quarter as doing unsatisfactory work in two or more of his subjects, aggregating more than one-third of his registered hours, shall be placed on probation for the remainder of said quarter. If at the end of the quarter he fail in two or more subjects, aggregating more than one-third of his registered hours, he shall not be allowed to re-register except under conditions prescribed by his dean, who shall be his registering officer.

Appeal from the decision of the dean may be taken to the board of deans.

Any student who fails in two or more subjects, aggregating more than one-third of his quarter's work shall be placed on probation for the following quarter. If in said following quarter said student fail in more than one-half of his registered hours, he shall not be allowed to register except on recommendation of the board of deans.

Any student who fails in more than one-half of his registered hours, after the first quarter of residence, will not be allowed to re-register, except by permission of the board of deans.

#### EXAMINATIONS

The regular quarterly examinations are held during the last week of each quarter.

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.

#### SYSTEM OF GRADES

1. The following is the system of grades:\*

A	-----	Honor
B	-----	} Intermediate
C	-----	
D	-----	
E	-----	
	-----	Failed
I	-----	Incomplete

(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.)

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\* 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.

2. Candidates for the bachelor's degrees in the colleges of Liberal Arts, Science, Education, Business Administration, Fine Arts, Forestry, and the Library School and the School of Journalism, must receive grades of A, B, or C in three-fourths of the credits required for their respective degrees. This rule became operative in June, 1913, and does not apply to grades given before the year 1910-11.

#### FRATERNITY PLEDGING

No fraternity or sorority shall pledge any person for membership whose registration in the University is not complete.

Registration is complete when the election blank has been signed by the student and all required registering officers, when all required fees have been paid, and when all blanks have been left in the Registrar's office or other place designated by him.

No student having less than Junior standing shall be initiated into a fraternity or sorority until he or she has earned eighteen credits or provisional credits in two quarters, or fifteen in one quarter, at this University. Credits or provisional credits for work taken to remove entrance conditions may not be counted.

Candidates for initiation into either fraternities or sororities shall secure from the Registrar's office a certificate of eligibility.



## COLLEGE OF LIBERAL ARTS

### THE FACULTY

- HENRY SUZZALLO, PH. D. (Columbia), LL. D. (California), PRESIDENT  
JOHN THOMAS CONDON, LL. M. (Northwestern), DEAN OF FACULTIES.  
DAVID THOMSON, B. A., (Toronto), Professor of Latin; DEAN.  
EDMOND STEPHEN MEANY, M. L., (Wisconsin), Professor of History.  
J. ALLEN SMITH, PH. D. (Michigan), Professor of Political Science.  
CAROLINE HAVEN OBER, Professor of Spanish.  
FREDERICK MORGAN PADELFORD, PH. D. (Yale), Professor of English and Dean of the Graduate School.  
WILLIAM SAVERY, PH. D., (Harvard), Professor of Philosophy.  
PIERRE JOSEPH FREIN, PH. D., (Johns Hopkins), Professor of Romanic Languages.  
HERBERT HENRY GOWEN, D. D., (Whitman), F. R. G. S., F. R. S. A., Professor of Oriental Languages and Literature.  
OLIVER HUNTINGTON RICHARDSON, PH. D., (Heidelberg), Professor of European History.  
VERNON LOUIS PARRINGTON, A. B., (Harvard), A. M., (Emporia), Professor of English.  
FREDERICK ELMER BOLTON, PH. D., (Clark), Professor of Education and Dean of the College of Education.  
EDWIN JOHN VICKNER, PH. D., (Minnesota), Professor of Scandinavian Languages.  
WILLIAM PIERCE GORSUCH, A. B. (Knox), Professor of Dramatic Art.  
ALLEN ROGERS BENHAM, PH. D., (Yale), Professor of English.  
STEPHEN IVAN MILLER, JR., A. B., (Stanford), LL. B., (Michigan), Professor of Economics and Dean of the College of Business Administration.  
RICHARD FREDERICK SCHOLZ, PH. D., (Wisconsin), Professor of Ancient History.  
FRED CARLTON AYER, PH. D., (Chicago), Professor of Education.  
ANTON DE HAAS, PH. D., (Stanford), Professor of Business Administration.  
\_\_\_\_\_, Professor of Education.  
LOREN DOUGLAS MILLIMAN, A. B., (Michigan), Associate Professor of English.  
THOMAS KAY SIDEX, PH. D., (Chicago), Associate Professor of Latin and Greek.  
EDWARD McMAHON, A. M., (Wisconsin), Associate Professor of American History.  
GEORGE WALLACE UMPHREY, PH. D., (Harvard), Associate Professor of Romanic Languages.  
OTTO PATZER, PH. D., (Wisconsin), Associate Professor of French.  
VANDERVEER CUSTIS, PH. D., (Harvard), Associate Professor of Economics.  
THOMAS TALBOT WATERMAN, PH. D., (Columbia), Associate Professor of Anthropology.  
EDWARD GODFREY COX, PH. D., (Cornell), Associate Professor of English.  
CLIFFORD WOODY, PH. D., (Columbia), Associate Professor of Education.  
WILLIAM DANIEL MORIARTY, PH. D., (Michigan) Associate Professor of Business Administration.  
PAUL HOWARD DOUGLAS, A. M., (Columbia), Associate Professor of Business Administration.  
HARRY EDWIN SMITH, PH. D., (Cornell), Associate Professor of Business Administration.  
ROBERT MAX GARRETT, PH. D., (Munich), Assistant Professor of English.  
CHARLES MUNRO STRONG, PH. D., (Missouri), Assistant Professor of Spanish.

- WILLIAM THEODORE DARRY, A. M., (Columbia), Assistant Professor of English.  
 HARVEY BRUCE DENSMORE, A. B., (Oxford), Assistant Professor of Greek.  
 ERNEST OTTO ECKELMAN, PH. D., (Heidelberg), Assistant Professor of German.  
 CHARLES LOUIS HELMLINGE, A. M., (Washington), Assistant Professor of Romanic Languages.  
 THERESA SCHMID McMAHON, PH. D., (Wisconsin), Assistant Professor of Economics.  
 SERENO BURTON CLARK, PH. D., (Harvard), Assistant Professor of Latin and Greek.  
 MAOT M. SKINNER, PH. D., (Harvard), Assistant Professor of Business Administration.  
 \_\_\_\_\_, Assistant Professor of History.  
 CURT JOHN DUCASSE, PH. D., (Harvard), Assistant Professor of Philosophy.  
 LUIS SANTANDER, A. B., LL. B., (Santiago), Assistant Professor of Spanish.  
 VICTOR L. O. CHITTICK, PH. D., (Harvard), Assistant Professor of English.  
 EMILIO GOGGIO, PH. D., (Harvard), Assistant Professor of Romanic Languages.  
 GEORGE E. FREELAND, PH. D., (Clark), Assistant Professor of Education.  
 GEORGE HENRY JENSEN, B. S., (Valparaiso), Assistant Professor of Vocational Education and Supervisor of Teacher Training in the Trades and Industries.  
 WILLIAM EDWARD COX, A. M., (Texas), Assistant Professor of Business Administration.  
 CARL DAKAN, B. S., (Missouri), Assistant Professor of Business Administration.  
 RALPH MASON BLAKE, PH. D., (Harvard), Instructor in Philosophy.  
 HOMER EWART GREGORY, M. A., (Chicago), Acting Instructor in Business Administration.  
 WALTER BELL WHITTLESLEY, A. M., (Washington), Instructor in French.  
 RUDOLPH HERBERT ERNST, A. M., (Harvard), Instructor in English.  
 JOSEPH BARLOW HARRISON, A. B., (Oxford), Instructor in English.  
 CLEMENT AKERMAN, A. M., (Harvard), Instructor in Economics.  
 VICTOR JOHN FARRAR, A. M., (Wisconsin), Research Assistant in History.  
 FRANK LAURE, A. M., (Washington), Instructor in Economics.  
 ALLETTA M. GILLETTE, A. M., (Washington), Instructor in English in the Extension Service.  
 MAX P. PHILBRICK, A. B., (Colby), Instructor in Romanic Languages.  
 KATE GREGG, PH. D., (Washington), Instructor in English.  
 ELVINE SIMEON, (University of Geneva), Associate in French.  
 \_\_\_\_\_, Instructor of Business Administration.  
 WINNIFRED S. HAGGETT, A. M., (Michigan), Associate in English.  
 VERA KELSEY, A. M., (Brown), Associate in English.  
 LETTIE LEE ROCHESTER, A. B., (Washington), Associate in English.  
 \_\_\_\_\_  
 TREVOR KINCAID, A. M., (Washington), Professor of Zoology.  
 FREDERICK ARTHUR OSBORN, PH. D., (Michigan), Professor of Physics and Director of the Physics Laboratories.  
 DAVID CONNOLLY HALL, M. D., (Chicago), University Health Officer and Professor of Hygiene.  
 IRVING MACKAY GLEN, A. M., (Oregon), Professor of Music and Dean of the College of Fine Arts.  
 EFFIE ISABEL RAITT, M. A., (Columbia), Professor of Home Economics.  
 STEVENSON SMITH, PH. D., (Pennsylvania), Professor of Psychology.  
 SAMUEL LATIMER BOOTHROYD, M. S., (Colorado Agricultural College), Associate Professor of Astronomy.  
 GEORGE BURTON RIGG, PH. D., (Chicago), Associate Professor of Botany.  
 ALLEN FULLER CARPENTER, PH. D., (Chicago), Associate Professor of Mathematics.  
 EDWIN JAMES SAUNDERS, A. M., (Harvard), Assistant Professor of Geology.  
 FRED HARVEY HEATH, PH. D., (Yale), Assistant Professor of Chemistry.  
 MARY EMMA GROSS, A. M., (Columbia), Assistant Professor of Physical Education.  
 EDWARD BROWN, (Pa. State College), Instructor in Physical Education and Hygiene.  
 JAMES EDWARD GOULD, M. A., (Harvard), Lecturer on Navigation.

## THE COLLEGE OF LIBERAL ARTS

The College of Liberal Arts provides instruction in the languages, education, economics and business administration, history, philosophy, political science, 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 both these colleges 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, after 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, Seattle.

*Freshman Standing*.—Freshman standing in the University is granted to any recommended graduate of a four-year accredited secondary school who presents fifteen units<sup>†</sup> 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) Latin and Greek (not less than 2 units of Latin, or 1 of Greek will be counted).
  - (2) Modern foreign language (at least 2 units in *one* language; not less than one unit will be counted in any language).
  - (3) History, civics, economics (at least one unit to form a year of consecutive work in history).
  - (4) 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).

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\*More detailed information concerning admission is furnished on pages 41-45.

†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.

- (e) 2 units in subjects presented in the above groups (1) - (4).
- (f) 5 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 modern foreign language and not less than 2 full units in Latin. A maximum of 4 units will be counted in vocational subjects, except for admission to the College of Business Administration. For admission to this college only 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 3 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).

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. These subjects 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.

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.

*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, the student expecting to enter the College of Liberal Arts is advised to take as many as possible of the subjects specified on a succeeding page among 'Requirement 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 graduation from the respective colleges 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 192 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, philosophy, political science, sociology.

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

#### II. SCHOLARSHIP REQUIREMENTS

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 undergraduate curriculum and leads to the junior certificate. This work consists primarily of the elementary or introductory courses of the various departments.\*

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\*NOTE.—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; courses 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 (1-2-3). American (57-58-59), English (5 and 6), ancient (71-72-73).
6. Philosophy and Psychology: Elementary or introductory course in each line, e. g., general psychology, introduction to philosophy, ethics, logic.
7. Political and Social Science: Introducing courses in economics, government, sociology.
8. Education: Introductory course, viz., Principles of Education.

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 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 (c) 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.

2. *Subjects Required Either in High School or College.*

- (d) A foreign language, 2 years (2 units or 20 credits). See note 5.

- (e) U. S. history and civics, 2 quarters (1 unit or 9 or 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 zoology, 2 quarters (1 unit or 10 credits).

- (i) Mathematics or science, 2 quarters (1 unit or 10 credits). See note 3.

3. *Subjects Required in College.*

- (j) Philosophy, psychology, 2 quarters (10 credits).

- (k) Economics, political science, sociology, 2 quarters (10 credits).

- (l) Physical education or military science, 2 years (12 credits).

4. *Subjects Conditionally Required in College.*

- (m) Ancient life and literature, 2 quarters (10 credits). See note 4.

- (n) Modern foreign language, 2 or more quarters (10 or more credits). See note 5.

- (o) English composition, 2 quarters (10 credits). See note 6.

NOTES

1. Students who do not take United States history and civics in the high school must take History 57-58-59 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. The requirement in mathematics or science is in addition to (b), (c), (g), and (h). It may be satisfied by any of the following combinations, viz., two quarters of a science, a quarter of each of two sciences, two quarters of mathematics, or a quarter of mathematics and a quarter of science.

4. 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.

5. Beginning with 1921, two years of one foreign language will be required for admission to the College of Liberal Arts or the College of Science. If the requirement has not been met in high school, it must be made up in college without credit.

6. 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 requirements for the junior certificate. The minimum amount of work to be done in the upper division will vary from 96 to 84 hours of credit, according to the number of credits offered for the junior certificate. *The student must earn not less than 84 hours of credit (exclusive of physical education) while enrolled in the upper division.* At least 60 of the credit hours taken in the upper division must be in upper division courses (Nos. 100 to 199). Of these 60 hours a minimum of 18 must be taken in the major subject.

*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.

#### SCHEME OF ELECTIVES

For the purpose of election, outside the major department, the College of Liberal Arts, the College of Science, the College 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 so 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. 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.

*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 other 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 147 credits, including 12 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 156. Thirty-six credits in the first year law work may apply toward the A. B. degree, thus making 192 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 147 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.)

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**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

- HENRY SUZZALLO, PH. D. (Columbia), LL. D. (California), PRESIDENT
- JOHN THOMAS CONDON, LL. M. (Northwestern), DEAN OF FACULTIES
- HENRY LANDES, A. M. (Harvard), Professor of Geology; DEAN
- THEODORE CHRISTIAN FRYE, PH. D. (Chicago), Professor of Botany.
- TREVOR KINCAID, A. M. (Washington), Professor of Zoology.
- FREDERICK ARTHUR OSBORN, PH. D. (Michigan), Professor of Physics and Director of the Physics Laboratories.
- ROBERT EDOUARD MORITZ, PH. D. (Nebraska), PH. N. D. (Strassburg), Professor of Mathematics.
- DAVID CONNOLLY HALL, SC. M., M. D. (Chicago), Professor of Hygiene and University Health Officer.
- HENRY KRITZBER BENSON, PH. D. (Columbia), Professor of Industrial Chemistry.
- JOHN WHINZIRL, DR. P. H. (Harvard), Professor of Bacteriology.
- EFFIE ISABEL RAITT, M. A. (Columbia), Professor of Home Economics.
- STEVENSON SMITH, PH. D. (Pennsylvania), Professor of Psychology.
- SAMUEL LATIMER BOOTHRODT, M. S. (Colorado Agricultural College), Associate Professor of Astronomy.
- WILLIAM MAURICE DEHN, PH. D. (Illinois), Professor of Organic Chemistry.
- GEORGE MCPHAIL SMITH, PH. D. (Freiburg), Professor of Inorganic Chemistry.
- CHARLES EDWIN WEAVER, PH. D. (California), Associate Professor of Geology.
- ALLEN FULLER CARPENTER, PH. D. (Chicago), Associate Professor of Mathematics.
- HENRY LOUIS BRAKEL, PH. D. (Cornell), Associate Professor of Engineering Physics.
- GEORGE BURTON RIGG, PH. D. (Chicago), Associate Professor of Botany.
- JOHN L. WORCESTER, M. D. (Med. School, University of Alabama), Associate Professor of Anatomy.
- GEORGE CHARLES EMBODY, PH. D. (Cornell), Acting Associate Professor of Fish Culture.
- EDWIN JAMES SAUNDERS, A. M. (Harvard), Assistant Professor of Geology.
- GEORGE IRVING 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.
- LEWIS IRVING NEIKIRK, PH. D. (Pennsylvania), Assistant Professor of Mathematics.
- SAMUEL HERBERT ANDERSON, PH. D. (Illinois), Assistant Professor of Physics.
- ROY MARTIN WINGER, PH. D. (Johns Hopkins), Assistant Professor of Mathematics.
- BARBARA HAECKER BARTLETT, B. S. (Columbia), Assistant Professor of Nursing and Public Health.
- HERMAN VANCE TARTAR, B. S. (Oregon Agricultural College), Acting Assistant Professor of Chemistry.

- (f) 5 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 modern foreign language and not less than 2 full units in Latin. A maximum of 4 units will be counted in vocational subjects, except for admission to the College of Business Administration. For admission to this college only 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).

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. These subjects 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.

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.

## 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 192 credits, and must observe the restrictions in regard to a major subject, necessary scholarship, elections in other colleges and the requirements of the lower division and the upper division.

#### 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.

#### B. 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, forestry, law, mines, and pharmacy, electives will be allowed to the extent of 18 credits from any one college, and not to exceed 24 from all.

#### D. REQUIREMENTS OF THE LOWER DIVISION

The work of the lower division comprises in general the studies of the freshman and sophomore years of the undergraduate curri-

## THE COLLEGE OF SCIENCE

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 forth in detail in succeeding pages, are:

- I. Elective curricula with a major in some one department.
- II. Pre-medical curricula.
  - A. Two-year curriculum preparatory to medicine.
  - B. Four-year curriculum preparatory to medicine.
  - C. Three-year curriculum for nurses.
- III. Curriculum for prospective science teachers.
- IV. Prescribed curricula in Home Economics.
- V. Six-year curriculum in Science and Law.
- VI. Five-year curriculum in Science and Library Science.

## LABORATORIES

The University of Washington has the following laboratories equipped for work in the various science departments: Anatomy, astronomy, botany, chemistry, geology, physics, psychology, zoology. (For description see pages 25-33.)

## \*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 presents fifteen units<sup>‡</sup> 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) Latin and Greek (not less than 2 units of Latin, or 1 of Greek will be counted).
  - (2) Modern foreign language (at least 2 units in one language; not less than one unit will be counted in any language).
  - (3) History, civics, economics (at least one unit to form a year of consecutive work in history).
  - (4) 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) - (4).

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<sup>‡</sup>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.

\*More detailed information concerning admission, (see pages 41-45).

- (f) 5 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 modern foreign language and not less than 2 full units in Latin. A maximum of 4 units will be counted in vocational subjects, except for admission to the College of Business Administration. For admission to this college only 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).

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. These subjects 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.

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.

## 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 192 credits, and must observe the restrictions in regard to a major subject, necessary scholarship, elections in other colleges and the requirements of the lower division and the upper division.

#### 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.

#### B. 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, forestry, law, mines, and pharmacy, electives will be allowed to the extent of 18 credits from any one college, and not to exceed 24 from all.

#### D. REQUIREMENTS OF THE LOWER DIVISION

The work of the lower division comprises in general the studies of the freshman and sophomore years of the undergraduate curri-

culum and leads to the junior certificate. It consists primarily of the elementary and introductory courses of the various departments.\* Its aim is to give a broad general training in preparation for the advanced work in the upper division.

To receive the junior certificate the student must have earned not less than 90 university credits, together with required credits in physical education or military science, and must have completed in secondary school and university together the amount of work specified in the subjects mentioned below except that subject (m) may be taken in the upper division by students who begin a modern language after entering the University.

As a rule students in the lower division must confine their elections to the courses numbered 1 to 99, in the catalogue. A student who has had the proper prerequisite, or who has attained sufficient intellectual maturity, may register for an upper division course, with the consent of the instructor concerned and of the dean.

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 hours per quarter, except with the consent of the dean.

1. *Subjects Required in a Secondary School.*

- (a) English, 3 years (3 units).

In addition to the completion of this amount of work in English, the student must show by 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).

2. *Subjects Required Either in a Secondary School or in the University.*

- (d) A modern foreign language, which must be either French or German, 2 years (2 units or 20 credits). See note 5.  
(e) United States History and civics, 1 year (1 unit or 10 credits). See Note 1.  
(f) History—ancient, medieval and modern, or English, 1 year (1 unit or 10 credits).  
(g) Mathematics, 1 year (1 unit or 10 credits). See note 2.  
(h) Physics, 1 year (1 unit or 10 credits).  
(i) Chemistry, 1 year (1 unit or 10 credits).  
(j) Botany or zoology, 1 year (1 unit or 10 credits).  
(k) Geology, physiography, or astronomy, 1 year; or astronomy and geology,  $\frac{1}{2}$  year each (1 unit or 10 credits).

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\*NOTE.—The following (or their equivalents) constitute the courses of the Lower Division:

1. Modern Foreign Language: The first two years.
2. Ancient Languages: Intermediate Latin; the first two years of college work; courses in civilization and literature.
3. English: Freshman 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 (1-2-3), American (57-58-59), English (5 and 6), ancient (71-72-73).
6. Philosophy and Psychology: Elementary or introductory course in each line, e. g., general psychology, introduction to philosophy, ethics, logic.
7. Political and Social Science: Introductory courses in economics, government, sociology.
8. Education: Introductory course, viz., Principles of Education.

3. *Subjects Required in the University.*

- (1) Physical education or military science, 2 years (12 credits).

4. *Subjects Conditionally Required in the University*

- (m) Either French or German, 1 or more years (10 or more credits). See note 5.
- (n) English composition, 0 to 10 credits. See note 6.

## E. REQUIREMENTS IN EITHER LOWER OR UPPER DIVISIONS

- (o) Philosophy, psychology, 1 year (10 credits). See Note 3.
- (p) Economics, political science, sociology, 1 year (10 credits). See Note 4.

## NOTES

1. The students who do not take United States history or civics in a secondary school must take History 57-58-59 in the University.
2. One quarter of advanced algebra is required.
3. Not more than 5 credits in psychology may be counted toward the requirement in philosophy or psychology.
4. Not more than 5 hours each of economics, political science, or sociology may be counted toward satisfying the requirements in these subjects.
5. Beginning with 1921, two years of one foreign language will be required for admission to the College of Liberal Arts or the College of Science. If the requirement has not been met in high school, it must be made up in college without credit. (For the College of Science, this language must be French or German.)
6. English composition is required of all freshmen who cannot show by examination a proficiency in the subject. (See University calendar for dates of examination.)

## F. 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, a 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 96 to 84 hours of credit, according to the number of credits offered for the junior certificate. *The student must earn not less than 84 hours of credit while enrolled in the upper division; provided, however, that if in the judgment of the student's major professor indorsed by the dean of the College of Science, the substitution of a lower division for an upper division subject will strengthen a student's course, such substitution shall be accepted as satisfying this requirement.* At least 60 of the credit hours taken in the upper division must be in upper division courses (100-199). Of these 60 hours a minimum of 18 must be in the major subject.

No student of the upper division shall be registered for more than 16 or less than 12 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.

## II. PRE-MEDICAL CURRICULA

## A. AND B. 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 years 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):

- 3 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.
- 1 unit of Physics.
- 2 units of either French or German.

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	Credits
Chem. 1 or 21 .....	5	Chem. 2 or 22 .....	5	Chem. 3 or 23 .....	5
Zool. 3 (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. ....	2	Mil. Sci. or Phys. Ed. ....	2	Mil. Sci. or Phys. Ed. ....	2
SECOND YEAR					
Physics 1 .....	5	Physics 2 .....	5	Physics 3 .....	5
Chem. 131 (Organic) ....	5	Chem. 132 (Organic) ....	5	Sci. French or Germ. ....	5
English 78 .....	5	Psych. 126 (Abnormal) ....	5	Ec. 1 or Pol. Sci. 1 .....	5
Mil. Sci. or Phys. Ed. ....	2	Mil. Sci. or Phys. Ed. ....	2	Mil. Sci. or Phys. Ed. ....	2
THIRD YEAR					
Anatomy 101 .....	6	Anat. 102 .....	6	Anat. 103 .....	6
Anat. 105 (Histology and Embryology) .....	5	Anat. 106 Histology and Embryology) .....	5	Anat. 107 (Neurology) ...	5
Bact. 104 .....	4	Bact. 105 .....	4	Sociology 1 .....	5
				Bact. 108 (Hygiene) ....	2
FOURTH YEAR					
Zool. 151 (Physiology) ..	5	Zool. 152 (Physiology) ..	5	Zool. 153 (Physiology) ...	5
Chem. 141 (Physiology) ..	5	Chem. 142 (Physiology) ..	5	Pharm. (Tox. & M. Med.)	5
Bact. 110 (Pathology) ..	4	Bact. 111 (Pathology) ..	4	Bact. 112 (Pathology) ..	4
Anat. 104 (Topog.) .....	4	Pharm. (Tox. & M. Med.)	5	Elective .....	4

## C. 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 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). These 15 units should include the following:

- 3 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.
- 1 unit of Physics.
- 2 units of either French or German.

### The curriculum:

The curriculum:			FIRST YEAR			
<i>Autumn Quarter</i>	<i>Credits</i>		<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Physics 89	5		Physics 90	5	Chem. 6	5
Econ. 1	5		Chem. 5	5	Psych. 1	5
English 1	5		Zoology 8	5	English 2	5
Nursing 1	2		Physical Ed.	2	Physical Ed.	2
Phys. Ed.	2					
SECOND YEAR						
Physiology 54	5		Physiology 55	5	Anatomy 102	4
Philosophy 1	5		Anatomy 101	6	Home Ec. 106	4
Home Ec. 4	3		Home Ec. 105	4	Sociology 1	5
Electives	3		Phys. Ed.	2	Dram. Arts	3
Phys. Ed.	2				Phys. Ed.	2
THIRD YEAR						
English Lit. 73	5		Psychology 126	5	Education 95	3
Bacteriology 101	4		Bacteriology 102	4	Bacteriology 103	2
Pharmacy 13	5		Nursing 102	3	English Lit. 75	5
Electives	2		Electives	3-5	Nursing 103	3
					Electives	2-4

### CURRICULUM TO BE FOLLOWED IN A SELECTED HOSPITAL

	<i>Credits</i>		<i>Credits</i>
Demonstration of Nursing	5	Eye, Ear, Nose and Throat Nursing	5
Anesthesia	10	Neurological Nursing	5
Clinical Analysis	10	Children's Nursing	5
Medical Nursing	20	Infectious and Contagious Disease Nursing	5
Surgical Nursing	20	Administration	5
Obstetrical and Gynecological Nursing	20		

### III. 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 student to prepare in more sciences by not requiring three years of any one science.

FRESHMAN	<i>Credits</i>	SOPHOMORE	<i>Credits</i>
Science (botany, geology, or zoology)	10	History	10
Science (physics or chemistry)	10	Economics, Pol. Sci. or Sociology	10
Mathematics	5	Science	20
English	0 to 10	Elective	5
German or French	10	Phil. Sci. or Phys. Ed.	6
Phil. Sci. or Phys. Ed.	6		
JUNIOR		SENIOR	
Philosophy and Psychology	10	Education	13
Science	20	Science	10
Elective	15	Elective	17

## REGULATIONS GOVERNING THIS CURRICULUM

- (a) A student may select any three of the following sciences and must do the amount of work in any particular science, as indicated.  
 Botany (exclusive of bacteriology), 20 credits.  
 Chemistry, 20 credits.  
 Geology, 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 zoology.
- (c) In (a) chemistry and zoology may not be selected in a group together
- (d) If 20 credits of chemistry are taken, only 15 of geology are required
- (e) When mathematics is selected as one of the three sciences, physics must be selected also
- (f) The modern foreign language required shall be either French or German and a continuation of the language taken in high school
- (g) The work in freshman composition shall be 0 to 10 credits

## IV. 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. For those who wish to enter commercial work there is provided, through the cooperation of business houses, opportunity to work in stores.

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 one month.

Accordingly, the following grouping is arranged as a guide in selecting the work that will best satisfy the requirements of each individual.

Group I 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 to dietitians in hospitals, sanatoria or private work. Those who intend to become sanitary and food inspectors are also advised to take the course.

Group III, Teachers' Curriculum. There is always a demand for the well-trained home economics teacher. This group combines some liberal arts subjects in other departments, chemistry, physics, bacteriology, fine arts, physiology and economics. The courses are

especially arranged to meet in the most efficient manner the particular needs of home economics students. Practice teaching extending through one quarter in the Seattle schools is required. Graduates of this courses will upon application to the State Board of Vocational Education receive a Smith-Hughes certificate.

Group IV, Institutional Management. In this course there are combined 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. Institutions operating for groups of people are seeking trained women to manage the commissary and housekeeping departments.

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, 61, 62, 107, 143, 144, 145, 146, 147.

Any one of the five lines may lead to the degree of bachelor of science. 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 + 12 credits are required for graduation from any of these curricula.

#### 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.)

FRESHMAN					
<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
English 1 .....	5	English 2 .....	5	Phys. 8 .....	5
Zool 1 or Bot. 1 .....	5	Chem. 5 .....	5	Chem. 6 .....	5
Elective .....	5	Zool. 2 or Bot. 2 .....	5	Lang. ....	5
Phys. Ed. ....	2	Phys. Ed. ....	2	Phys. Ed. ....	2
Preferred electives—H. E. 4, 8, 25, 43; Nursing 5.					
SOPHOMORE					
Language .....	5	Language .....	5	Language .....	5
History .....	5	History .....	5	Psychology 2 .....	5
Phys. Ed. ....	2	Phys. Ed. ....	2	Economics 1 .....	5
				Phys. Ed. ....	2
Preferred electives—H. E. 5, 6; Fine Arts III. 3.					
JUNIOR					
Philosophy 2 .....	5	Sociology 1 .....	5		
Preferred electives—H. E. 105-100, 112-113; Fine Arts II, 1-2; Physics 89-90					
SENIOR					
Preferred electives—H. E. 144-145, 147; Bacteriology 101-102; Nursing. 5.					

## GROUP II—FOOD AND NUTRITION

## FRESHMAN

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
English 1 .....	5	English 2 .....	5	Chemistry 6 .....	5
Phys. Ed. ....	2	Chemistry 5 .....	5	Physiology 8 .....	5
		Phys. Ed. ....	2	Lang. Lit. or Hist. ....	5
				Phys. Ed. ....	2

Preferred electives—H. E. 4, 8, 25; Fine Arts III. 3.

## SOPHOMORE

Lang., Lit. or Hist. ....	5	Lang., Lit. or Hist. ....	5	Lang., Lit. or Hist. ....	5
Chemistry 35 .....	5	Chemistry 36 .....	5	Chemistry 44 .....	5
Phys. Ed. ....	2	Phys. Ed. ....	2	Psychology 1 .....	5
				Phys. Ed. ....	2

Preferred electives—H. E. 5-6.

## JUNIOR

Chemistry 104 .....	4	Economics .....	5	Sociology .....	5
Bacteriology 101 .....	4	Bacteriology 102 .....	4		

Preferred electives—H. E. 107-108; Nursing 5; Physics 89-90.

## SENIOR

Preferred electives—H. E. 103, 110 and related sciences.

## GROUP III—SMITH-HUGHES TEACHER TRAINING

## FRESHMAN

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
English 1 .....	5	English 2 .....	5	Lang., Lit. or Hist. ....	5
Physiology 8 .....	5	Chem. 5 .....	5	Chem. 6 .....	5
Phys. Ed. ....	2	Phys. Ed. ....	2	Phys. Ed. ....	2

Preferred electives—H. E. 4, 8; H. E. 25; Fine Arts III 3.

If H. E. 4 and 8 are carried in High School substitute H. E. 43 and Nursing 5.

## SOPHOMORE

Lang., Lit. or Hist. ....	5	Lang., Lit. or Hist. ....	5	Lang., Lit. or Hist. ....	5
Chem. 35 .....	5	Chem. 36 .....	5	Chem. 144 .....	5
Phys. Ed. ....	2	Phys. Ed. ....	2	Psych. 1 .....	5
				Phys. Ed. ....	2

Preferred electives—

H. E. 5 .....	5	H. E. 6 .....	5
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## JUNIOR

Educ. 75 .....	5	Educ. 95 .....	3	Educ. 1 .....	5
				Educ. 119 .....	5
				Soc. 1 .....	5
Preferred electives—					
Physics 89 .....	5	Physics 90 .....	5		
H. E. 112 .....	5	H. E. 113 .....	5		
Fine Arts II (Arch. 1-2)					

## SENIOR

Ed. 140 .....	3	H. E. 147 .....	3	Ed. 145 .....	5
H. E. 146 .....	3				

Preferred electives—

H. E. 107 .....	4	H. E. 108 .....	4	H. E. 145 .....	3
H. E. 148 .....		H. E. 144 .....	3	H. E. 143 .....	3
Bact. 101 .....	4	Bact. 102 .....	4		

## GROUP IV—INSTITUTIONAL MANAGEMENT

To be taken by those students who wish to fit themselves for the following vocations:

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

## FRESHMAN

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
English 1 .....	5	English 2 .....	5	Chemistry 6 .....	5
Physiology .....	5	Chemistry 5 .....	5	Lang., Lit. or Hist. ....	5
Physical Ed. ....	2	Physical Ed. ....	2	Physical Ed. ....	2

Preferred electives—H. E. 25, 4; Fine Arts III 3; Law 54.

## SOPHOMORE

Lang., Lit. or Hist. ....	5	Lang., Lit. or Hist. ....	5	Lang., Lit. or Hist. ....	5
Chemistry 35 .....	5	Chemistry 30 .....	5	Chemistry 144 .....	5
Physical Ed. ....	2	Physical Ed. ....	2	Psychology 1 .....	5
				Physical Ed. ....	2

Preferred electives—H. E. 5-6.

## JUNIOR

Economics 1 .....	5	Sociology 1 .....	5
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Preferred electives—H. E. 143, 124, 125, 144, 145. Bacteriology 101, 102.

## GROUP V—TEXTILES, CLOTHING AND FINE ARTS

## SUMMARY

	Credits		Credits
College requirements .....	64	Free electives .....	20
Fine Arts .....	31	Physical Education .....	12
Home Economics .....	56		
			192

College Requirements	Credits	Fine Arts	Credits	Home Economics	Credits
English .....	10	Fine Arts III-3-10-11 .....	13	H. E. 25, Textiles .....	5
Lang., Lit. or Hist. ....	20	Fine Arts III-16-17-18 .....	3	H. E. 8 Ele. Clothing .....	3
Laboratory Science .....	10	Fine Arts III-169-170 .....	4	H. E. 11-12 Needlework .....	4
Physiology .....	5	Fine Arts II-102, Arch. ....	5	H. E. 27 Non-textiles .....	3
Economics .....	5	Fine Arts III-111-112 ...	6	H. E. 61-62 (clothing) ....	10
Sociology .....	5			H. E. 130-131 Trade	
Psychology .....	5			dressmaking .....	12
Philosophy .....	5			H. E. 133-134 Costume	
				design .....	10
				H. E. 143 Home Furnish .....	3
				H. E. 135 Millinery .....	3
				H. E. 144 House Managem't ..	3
Total .....	64	Total .....	31	Total .....	56
Free Electives .....	29				
Physical Education .....	12				

## V. 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 12 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 180 plus 12 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.

## VI. 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 12 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 end of the fifth year. (See Library School.)

## COURSES

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

# COLLEGE OF EDUCATION

## THE FACULTY

- HENRY SUZZALLO, PH. D. (Columbia), LL. D. (California), PRESIDENT.
- 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.
- CLIFFORD WOODY, PH. D. (Columbia), Associate Professor of Education.
- GEORGE EARL FREELAND, PH. D. (Clark), Assistant Professor of Education
- GEORGE HENRY JENSEN, B. S. (Valparaiso), Assistant Professor of Vocational Education and  
Supervisor of Teacher Training in the Trades and Industries.
- 
- CAROLINE HAVEN OREN, Professor of Spanish.
- TREVOR KINCAID, A. M. (Washington), Professor of Zoology.
- FREDERICK MORGAN PADEFORD, PH. D. (Yale), Professor of English.
- FREDERICK ARTHUR OSBORN, PH. D. (Michigan), Professor of Physics; Director of the Physics  
Laboratories.
- WILLIAM SAVERY, PH. D. (Harvard), Professor of Philosophy.
- DAVID THOMSON, B. A. (Toronto), Professor of Latin; Dean of the College of Liberal Arts.
- PIERRE JOSEPH FRKIN, PH. D. (Johns Hopkins), Professor of French.
- THEODORE CHRISTIAN FRYE, PH. D. (Chicago), Professor of Botany.
- ROBERT EDQUARD MORITZ, PH. D. (Nebraska), PH. N. D. (Strassburg), Professor of Mathe-  
matics.
- DAVID CONNOLLY HALL, SC. M., M. D. (Chicago), University Health Officer.
- IRVING MACKAY GLEN, A. M. (Oregon), Professor of Music; Dean of the College of Fine Arts.
- JOHN WEINZIRL, PH. D. (Wisconsin), Professor of Bacteriology.
- EDWIN JOHN VICKNER, PH. D. (Minnesota), Professor of Scandinavian Languages.
- EFFIE ISABEL RAITT, A. M. (Columbia), Professor of Home Economics; Director of the Depart-
- EFFIE ISABEL RAITT, A. M. (Columbia), Professor of Home Economics.
- STEVENSON SMITH, PH. D. (Pennsylvania), Professor of Psychology.
- STEPHEN IVAN MILLER, JR., A. B. (Stanford), LL. B. (Michigan), Professor of Economics;  
Dean of the College of Business Administration.
- HOWARD WOOLSTON, PH. D., (Columbia) Professor of Sociology.
- EDWARD MCMAHON, A. M. (Wisconsin), Associate Professor of American History.
- GEORGE WALLACE UMPHREY, PH. D. (Harvard), Associate Professor of Spanish.
- EDWIN JAMES SAUNDERS, A. M. (Harvard), Assistant Professor of Geology.
- ROBERT MAX GARRETT, PH. D. (Munich), Assistant Professor of English.
- HARVEY BRUCE DENSMORE, A. B. (Oxford), Assistant Professor of Greek.
- ALLEN FULLER CARPENTER, PH. D. (Chicago), Assistant Professor of Mathematics.
- ERNEST OTTO ECKELMAN, PH. D. (Heidelberg), Assistant Professor of German.
- FRANCES DICKEY, A. M. (Columbia), Assistant Professor of Music.
- EDWIN R. GUTHRIE, PH. D. (Pennsylvania), Assistant Professor of Psychology.
- MARY EMMA GROSS, A. M. (Columbia), Assistant Professor of Physical Education.
- WILLIAM B. WILSON, A. B. (Washington), Instructor in Psychology.

## COLLEGE OF EDUCATION

*Scope and Aims.*—The curriculum of the College 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 college is especially fitted to provide teachers of the following types: (1) High school teachers; (2) high school principals; (3) superintendents 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 thorough 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 in connection 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, and (c) the courses in zoology, psychology, and sociology, fundamental to those in education.



*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 pre-vocational classes are maintained in various parts of the city.

Under the terms of the Smith-Hughes act "the training of teachers for trades and industries in resident work and extension work shall be conducted through the University of Washington, under the supervision of the State Board of Vocational Education, with the approval of the Federal Board."

*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 accomodate 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.

## ORGANIZATION AND REQUIREMENTS

*Lines of Work.*—Three lines of work are provided in the College of Education: (a) The course leading to the degree of bachelor of education; (b) the courses leading to the degrees of master of arts in education and master of science in education; (c) work leading to the degree of master of arts or master of science with education as a major subject; (d) work leading to the normal diploma and life diploma in connection with a degree from the College of Liberal Arts, the College of Science or the College of Education.

The College of Education is so organized that the student shall begin to think of the profession of teaching immediately upon entering the University. While the main work in education does not come until the junior and senior years, the student receives guidance and counsel from the outset in selecting his courses and is helped to get in touch with the professional atmosphere that should surround a teachers' college. The foundation work in zoology and psychology will be given as far as possible with the teaching profession in mind. It is planned to give some work of a general nature in education during the two first years that will serve as vocational guidance and will assist the student to arrange his work most advantageously and to accomplish it most economically. By the more prolonged individual acquaintance between students and the faculty of the College of Education it is hoped that the student will receive greater professional help and the faculty will be better able to judge of the teaching qualities of the students.

Under the new plan the student does not take so many required courses as formerly. The specific requirements in foreign language, physical science, mathematics, history and a half year of philosophy have been omitted. The student may elect these if he chooses. By this means the curriculum will be much more flexible and the student will be given the important educational privileges of choosing largely his own courses. This is in harmony with the idea of the greater vocationalizing of education.

The work of education and allied courses has been so extended that adequate professional preparation can now be secured. The courses in zoology, psychology, and sociology are all directly contributory to knowledge and interpretation of the courses in education.

A degree may be obtained at the end of the fourth year, but the standard which the University encourages and hopes to establish for high school teaching is the five-year course, consisting of thorough professional work combined with advanced academic work. Students expecting to teach are encouraged on entering to plan their courses for the master's degree in education. While the extended combined course is preferred it is possible for students with adequate preparation to secure the master's degree in a year of graduate work.

## REQUIREMENTS FOR ADMISSION

Full information regarding requirements for admission, registration, and expenses may be found on pages 40-50.

## REQUIREMENTS FOR GRADUATION WITH THE DEGREE OF BACHELOR OF EDUCATION

To secure the degree of bachelor of education the candidate must fulfill the following conditions:

1. Comply with the admission regulations as stated above.	
2. Complete the requirements in college subjects as follows:	<i>Credits</i>
*Zoology .....	10
Psychology .....	5
Sociology .....	5
Physical education .....	12
Education .....	36
†English .....	10
Teaching subjects:	
(a) Two academic majors or	
(b) One academic major and two academic minors.	
‡Free electives, depending upon the foregoing selections.....	
Total for graduation .....	192

1. An academic major consists of from 35 to 45 credits in some subject other than education. At the option of the major professor this may include the teachers' course.

2. An academic minor consists of from 20 to 30 credits in some subject other than education.

3. The distribution of the work in the academic majors and minors is under the advice of the dean of the College of Education and the head of the department in which the academic major is selected. The distribution of the majors and minors is considered in the light of the actual calls for teachers year by year.

4. The teachers' course in the academic major is required, if offered.

5. The teaching subjects may be selected from any subject now recognized in the Colleges of Liberal Arts, Science, Fine Arts, or Economics and Business Administration.

6. The 36 credits in education required for the degree of bachelor of education should include as foundation work the 18 credits required for the normal diploma. The work should also include a course in the history of education and one in childhood or adolescence. The remainder of the work should be selected so as to emphasize the line of special interest, as, for example, administration, secondary education, educational psychology, child study, etc.

\* Students who have had one year in zoology in the high school may be excused from the laboratory work in zoology in the University, but shall be required to take the courses in ethnology and evolution. The distribution of the required work in zoology shall be determined by the head of the department of zoology.

† All freshmen are given an opportunity to take an examination in English on entrance to the College of Education. Those whose standings are especially high in the examination may be excused from a part of the required ten credits.

‡ The student's free electives will vary from 15 to 50 credits, according to the exemption in English and the number of credits secured in the major and minor subjects.

7. The required English must be completed during the first year. The required zoology or some other year of science must be taken during the first two years. If history or foreign language are elected one course in the ones selected must be completed during the first two years. If mathematics is elected, five credits in it must be completed during the first two years. If the foregoing courses are not completed as specified, only half credit will be allowed.

8. Candidates for the bachelor's degree in the College of Education must receive grades of A, B, or C in at least three-fourths of the credits required for the degree. This rule does not apply to grades given before the year 1910-1911.

9. Students are allowed to combine, in preparation for teaching, courses from the departments of political science, sociology and business administration, for the academic majors or the academic minors. Such combinations must be approved by the dean and the head of the department in which the academic major is selected.

10. Courses in manual and industrial arts, or in those combined with drawing, will be accepted as a minor toward the degree of bachelor of education.

11. Students in the College of Liberal Arts have the right to major in the department of education. Students majoring in education must take at least 36 credits. Students in the Colleges of Science, Engineering, Forestry, Mines, Law, Pharmacy, Fine Arts, and Business Administration may elect courses in education according to conditions fixed by these colleges.

#### FRESHMAN YEAR

During the freshman year the student should aim to take approximately the following work:

	Credits
English .....	10
Zoology .....	10
Physical Education .....	6
Psychology .....	5
Sociology .....	5
Introduction to education .....	2
Probable academic major .....	15

#### ELECTIVES OPEN TO FRESHMEN

*Languages:* English, French, German, Greek, Italian, Scandinavian, Spanish.

*Sciences:* Astronomy, botany, chemistry, geology, home economics, mathematics, physics, zoology.

*Social and Philosophical Subjects:* Economics, education, history, journalism, philosophy, political science, psychology, sociology.

*Fine Arts:* Drawing, design, music, painting, dramatic art.

*Manual and Industrial Arts:* Drawing, woodwork, forgework.

#### SOPHOMORE YEAR

During the sophomore year the student should continue physical education. If psychology and sociology have not been taken in the freshman year they should be taken during the first quarter of

the sophomore year. Principles of Education should be taken during the sophomore year, the academic major should be continued, and at least one academic minor begun. The range of electives open to sophomores is very wide. For limitations see the departmental statements.

#### JUNIOR AND SENIOR YEARS

During the junior and senior years about five hours of work in education will be necessary each quarter. The academic major and minors should also be completed. The remainder of the work is elective.

#### ADMISSION OF NORMAL SCHOOL GRADUATES TO ADVANCED STANDING

Graduates of the normal schools of this state and of institutions of like standing elsewhere, who are likewise graduates of accredited four year high schools, are admitted to full junior standing in the College of Education. Their courses of study are determined by the dean of the College of Education subject to the approval of the head of the department in which the academic major is selected. The distribution of the majors and minors is considered in the light of actual calls for teachers year by year. The presumption is that they will take all the required subjects in the College of Education for which they have not had a fair equivalent elsewhere. Requests for modification of this procedure will be considered by the committee on graduation only when recommended by the dean of the college.

Graduates from the approved normal schools who major in education in the College of Liberal Arts may be exempted from such portions of the work in education as they have completed satisfactorily in the normal school, such exemption to be granted only upon the recommendation of the head of the department of education. 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 NORMAL DIPLOMAS AND LIFE DIPLOMAS

The University is authorized by law to issue teachers' diplomas, valid as teachers' licenses in all public schools of the state, as described below. Candidates for these diplomas should consult with the dean of the College of Education as early as possible regarding their work for the diploma and their preparation for teaching.

*I. The University Five-Year Normal Diploma*, valid for a period of five years from date of issue, is granted on the following conditions:

1. (a) Graduation from this University from the Colleges of Liberal Arts, Science, Education, Fine Arts, or Business Ad-

ministration. (b) Completion of at least 18 credits (quarter hours) in the department of education. (c) Completion of a teachers' course in the major academic subject, if offered: maximum, 9 credits. (d) General psychology, 5 credits. (e) Evidence of such general scholarship and personal qualities as give promise of success and credit in the profession of teaching. Legible handwriting, good spelling and correct English are indispensable. Active interest in the prospective work of a teacher will be considered.

The courses in education include the following:

	<i>Credits</i>
Principles of Education .....	5
Educational Sociology .....	3
High School curriculum .....	3
Methods of teaching .....	3
Practice of teaching .....	5

The department reserves the right to adjust these requirements in education subject to individual cases. Variations will sometimes need to be made in the case of normal school students, persons who have taken education courses in summer sessions, and teachers with considerable experience. No deviations will be permitted except on approval of the dean of the College of Education.

2. Persons who have received the master's or doctor's degree from this University are eligible to the University five-year normal diploma, provided they have fulfilled the specific requirements exacted of those with the bachelor's degree.

3. Graduates of other accredited colleges or universities than the University of Washington who desire the University five-year normal diploma are required to be in residence in this University at least one quarter subsequent to graduation and to earn not less than 15 credits in approved subjects. Of these 15 credits 5 credits must be in courses in education approved by the dean of the College of Education, and 10 credits in teaching subjects, in courses approved by the major professor. They must have earned here or elsewhere at least 5 credits in psychology, a total of 18 credits in education, and have completed a teachers' course in an academic subject.

4. Graduates of the advanced courses of state normal schools who subsequently graduate from this University and who become candidates for the University five-year diplomas must earn at least 12 credits in education in this University.

*II. The University Life Diploma* is granted to candidates who fulfill the requirements for the University five-year diploma and also give satisfactory evidence of having taught successfully for at least twenty-four months.

#### COURSES

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

## LIBRARY SCHOOL

### THE FACULTY

HENRY SUZZALLO, Ph. D. (Columbia), LL. D. (California), PRESIDENT.

JOHN THOMAS CONDON, LL. M. (Northwestern), DEAN OF FACULTIES.

WILLIAM ELMER HENRY, 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 Economy (Washington), Certificate (Carnegie Library School), Instructor in Library Science.

ROBINSON SPENCER, A. B. (Wesleyan University), B. L. S. (Illinois), Instructor in Library Science.

ETHEL M. STANLEY, A. B. (Fairmont College), one year Illinois Library School, Instructor in Library Science.

The Library School is a graduate professional school established for the purpose of training young men and women in librarianship.

It is made a graduate school because it is believed that the conduct of a library requires a larger and more comprehensive educational equipment and outlook than can be had with less than the equivalent of the bachelor's degree. The library is an educational institution, and cannot be entrusted to persons of only elementary acquirements.

The technical curriculum is but one year in length, based upon the baccalaureate degree, because the general educational equipment of the librarian is of larger significance than the technical training, but neither is sufficient without the other.

The graduates are competent to take charge of the smaller type of public library, or to take an assistant's position in any department of the larger libraries, and after a reasonable experience in either of these two positions have shown themselves competent to conduct libraries of medium size with excellent success.

*Admission.*—The Library School curriculum is based upon two years of college work (known as the lower division) in either the College of Liberal Arts or the College of Science, as the student may elect.

It consists of a three-year curriculum of liberal arts or sciences and library science combined, making a five-year curriculum, four of which are academic and one professional. For admission to the Library School, therefore, the student must complete the requirements of the lower division in either the College of Liberal Arts or the College of Science.



## CURRICULA

*I. Requirements for the Degree of Bachelor of Arts.*—The bachelor of arts degree is granted at the end of the senior year to those who have finished the liberal arts requirements of the lower division and who have taken liberal arts electives totaling 192 credits.

The electives taken must include three groups of minors of not less than 24 credits each in the following groups: language and literature; natural sciences; history, political, economic and social sciences; philosophy; psychology, and education.

A subject major is not required.

*II. Requirements for the Degree of Bachelor of Science.*—The bachelor of science degree is granted at the end of the senior year to those who have finished the work of the lower division in the College of Science and who shall have earned 192 credits, 90 of which shall be in science under the following restrictions:

A. The student may select any three of the following sciences and must do the amount of work in any particular science as indicated:

Botany, 24 credits  
Chemistry, 24 credits  
Geology, 24 credits  
Mathematics, 24 credits  
Physics, 24 credits  
Zoology, 24 credits

B. Either included or in addition to the work in (A) every student must take six credits in mathematics, 12 credits in physics, 12 credits in chemistry, 12 credits in botany or zoology.

C. If 24 credits in chemistry are taken, only 18 credits in geology are required.

The following would ordinarily be the most satisfactory combination:

Botany, 24 credits  
Chemistry, 24 credits  
Geology, 18 credits  
Mathematics, 6 credits  
Physics, 12 credits  
Zoology, 6 credits

*III. Requirements for the Degree of Bachelor of Science in Library Science.*—The curriculum in library science, constituting one year of work, consists of 48 credits distributed through the senior and graduate years, 20 credits being earned in the senior year and 28 in the graduate year.

At the end of the graduate or fifth year, or upon the completion of 240 credits, 48 of which must be in library science, the degree of bachelor of science in library science is granted.

## CURRICULUM IN LIBRARY SCIENCE

	<i>Credits</i>
Order, accession, and loan systems .....	2
Classification and subject headings .....	3
Cataloguing .....	6
Reference .....	6
Books and libraries .....	1
Organization and extension .....	3
Administration .....	2
Subject bibliography .....	2
Book selection .....	7
Work with children and schools .....	2
Special lectures .....	1
Special study of specific libraries .....	1
Practice (360 clock hours) .....	12

Each recitation or lecture period presupposes two hours preparation and twelve such periods are counted as one credit. Two and one-half clock hours of practice count as one recitation or lecture period, and thirty clock hours of practice are counted as one credit.

No course in this curriculum is open to election by students outside the Library School.

*Practice.*—Practice work under careful supervision covers 360 practice hours, distributed as six hours per week through five quarters for those who do a part of the work as under-graduates, or 12 hours per week for 30 weeks for those who enter as graduate students and complete the work in three quarters.

The practice time is divided about equally between the University Library and the Seattle Public Library.

The Seattle Public Library offers rather unusual opportunity for students to practice in varied phases of work under careful supervision of trained librarians of large experience.

*Graduate Standing.*—Graduates of the University of Washington or of other colleges and universities of equal rank may enter the Library School and finish the work and receive the professional degree in one year, upon compliance with the following provisions:

A. No one may be admitted to the senior year or to graduate standing with less than 20 credits each in two modern foreign languages, French and German preferred.

B. Before entering upon the work of the senior year each student must be able to operate a typewriting machine with accuracy and fair speed.

C. If at any time there are more applicants for admission to the Library School than can be adequately cared for, preference will be given to residents of the state of Washington if other qualifications are essentially equal.

## ADVISORY SUGGESTIONS

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

B. Persons beyond thirty years of age should not attempt to enter library work, unless they have been continuously engaged in intellectual pursuits since graduating from college.

#### 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), 'PRESIDENT

JOHN THOMAS CONDON, LL. M. (Northwestern), DEAN OF FACULTIES.

STEPHEN IVAN MILLER, JR., A. B. (Stanford), LL. B. (Michigan), Professor of Economics, DEAN.

J. ANTON DE HAAS, A. M. (Harvard), PH. D. (Stanford), Professor of Business Administration.

VANDERVEER CURTIS, PH. D. (Harvard), Associate Professor of Economics.

PAUL H. DOUGLAS, A. M. (Columbia), Associate Professor of Business Administration.

HARRY E. SMITH, PH. D. (Cornell), Associate Professor of Business Administration.

WILLIAM D. MORIARTY, PH. D. (Michigan), Associate Professor of Business Administration.

THERESA S. McMAHON, PH. D. (Wisconsin), Assistant Professor of Economics.

MARY M. SKINNER, PH. D. (Harvard), Assistant Professor of Business Administration.

WILLIAM E. COX, A. M. (Texas), Assistant Professor of Business Administration.

CARL S. DAKAN, B. S. (Missouri), Assistant Professor of Business Administration.

\_\_\_\_\_, Assistant Professor of Transportation

CLEMENT AKEEMAN, A. M. (Harvard), Instructor in Economics.

HOMER E. GREGORY, A. M. (Chicago), Instructor in Business Administration.

JAMES E. GOULD, A. M. (Harvard), Lecturer on Navigation.

KARL LEIB, A. R., Instructor in Business Administration.

FRED A. MORRILL, B. S., Instructor in Business Administration.

\_\_\_\_\_, Instructor in Business Administration .

HAROLD L. TURPIN, Teaching Assistant.

R. W. BISBEE, Research Assistant.

J. ALLEN SMITH, PH. D. (Michigan), Professor of Political Science.

EDMOND STEPHEN MEANY, M. L. (Wisconsin), Professor of History.

FREDERICK MORGAN PADELFORD, PH. D. (Yale), Professor of English and Dean of the Graduate School.

WILLIAM SAVERY, PH. D. (Harvard), Professor of Philosophy.

PIERRE JOSEPH FREIN, PH. D. (Johns Hopkins), Professor of Romanic Languages.

ROBERT EDOUARD MORITZ, PH. D. (Nebraska), PH. N. D. (Strassburg), Professor of Mathematics.

HENRY KREITZER BENSON, PH. D. (Columbia), Professor of Chemical Engineering.

FREDERICK ELMER BOLTON, PH. D. (Clark), Professor of Education and Dean of the College of Education.

EFFIE ISABEL RAITT, A. M. (Columbia), Professor of Home Economics.

STEVENSON SMITH, PH. D. (Pennsylvania), Professor of Psychology.

LESLIE JAMES AYER, B. S., J. D. (Chicago), Professor of Law.

## THE COLLEGE OF BUSINESS ADMINISTRATION

Modern business has reached that stage where internal and external economies 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 40-50.

### GRADUATION

*Degrees.*—The College of Business Administration is a professional college, and 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 fulfilled the entrance requirements and who presents 192 credits in subjects required or approved by the faculty of the College of Business Administration.

The degree of master of business administration will be conferred upon students who continue their work for an additional year, after completing the requirements for the degree of bachelor of business administration. Students will not be advised to do graduate work unless they have shown unusual ability in their previous courses. All graduate work must be selected after a consultation with the instructor in charge of the special department in which the

student is interested, and after 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:

FRESHMAN		Credits
B. A. 1	General Economics. Autumn, winter or spring .....	5
B. A. 7	Resources of the World. Autumn, winter or spring .....	5
B. A. 11-12	Elementary Accounting. Beginning autumn or winter .....	10
Psych. 1	General Psychology. Autumn, winter or spring .....	5
Math. 11-12	Mathematical Theory of Investment. Beginning autumn or winter .....	10
English 1-2	Written and Oral English. Beginning autumn or winter .....	10
		45
SOPHOMORE		
B. A. 51	Economics of Transportation. Autumn, winter or spring .....	3
B. A. 54-55-56	Business Law. Beginning autumn .....	9
B. A. 57	Money and Banking. Autumn, winter, spring or summer .....	5
B. A. 58	Risk and Insurance. Autumn, winter or spring .....	3
B. A. 61	Social and Economic Standards of Living. Autumn, winter or spring .....	3
B. A. 71	Economics of Markets. Autumn, winter or spring .....	3
History 57-58-59	U. S. History. Beginning Autumn .....	9
Approved Electives .....		10
		45
JUNIOR		
Sociology 1	Introduction to Sociology. Autumn or spring .....	5
Pol. Science I	Elements of Government. Autumn, winter or spring .....	5
Philosophy 1	Philosophy Autumn, winter or spring .....	5
Philosophy 2	Introduction to Social Ethics. Winter, or .....	
Philosophy 3	Introduction to Ethics. Spring .....	5
Approved Electives .....		25
		45
SENIOR		
B. A. 160	Advanced Economics. Autumn, winter or spring .....	5
Approved Research Autumn, winter or spring .....		4
Approved Electives. Autumn, winter or spring .....		30
		45

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 (a) reached at least junior standing and (b) satisfied the prerequisites to these courses.

The prerequisites to the junior-senior courses have been established after the most careful consideration of (a) the standard of efficiency and performance aimed at in the course, and (b) 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 the 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 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.

*Fields of Training.*—The following fields of business training are suggested:

- |                          |                         |
|--------------------------|-------------------------|
| 1. Accounting            | 8. Transportation       |
| 2. Business Finance      | 9. Maritime Commerce    |
| 3. Employment Management | 10. Foreign Trade       |
| 4. Executive Management  | 11. Insurance           |
| 5. Marketing and Sales   | 12. Secretarial Work    |
| 6. Retail Store Service  | 13. Commercial Teaching |
| 7. Advertising           |                         |

### SUGGESTED COURSES FOR THE PROFESSIONAL FIELDS

In the first year the student fulfills the standardized requirements (see pages 41-45).

For the second, third and fourth years in addition to the standardized requirements the following courses are suggested:\*

### ACCOUNTING

#### SOPHOMORE

Second Year Accounting, 3 credits for each quarter: Total 9 credits.

#### JUNIOR

<i>Autumn</i>	<i>Credits</i>	<i>Winter</i>	<i>Credit</i>	<i>Spring</i>	<i>Credits</i>
Sociology .....	5	Philosophy .....	5	Ethics .....	5
Political Science .....	5	Statistical Methods .....	5	Advanced Accounting .....	3
Advanced Accounting .....	3	Advanced Accounting .....	3	Commercial Credits .....	2
Bank Accounting .....	3	Accounting Systems .....	3	Railroad Accounting .....	3
				Business Correspondence .....	3
	16		16		16

#### SENIOR

Auditing .....	3	Corporation Finance .....	3	C. P. A. Problems .....	3
Corporation Accounting ..	3	Cost Accounting .....	3	Advanced Economics .....	5
Trusts and Combinations ..	3	Income Tax Accounting ..	3	Technique of Foreign Trade	3
Research in Accounting ..	2	Office Management .....	2	Investments .....	3
Fire Insurance .....	5	Research in Accounting ..	2	Real Estate Problems .....	2
		Banking Practice .....	3		
	16		16		16

\*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.

## BUSINESS FINANCE

## SOPHOMORE

Second Year Accounting, 3 credits per quarter: Total 9 credits.

JUNIOR					
Autumn	Credits	Winter	Credits	Spring	Credits
Trusts and Combinations..	3	Corporation Finance .....	3	Investments .....	3
Banking Accounting .....	3	Banking Practice .....	3	Commercial Credits .....	2
Foreign Exchange .....	2	Statistical Methods .....	5	Political Science .....	5
Philosophy .....	5	Sociology .....	5	Ethics .....	5
Electives .....	8				
	16		16		15

## SENIOR

Business Statistics .....	2	Advanced Economics ....	5	Real Estate Problems ....	2
Public Finance .....	5	Problems in Taxation ....	3	Municipal Finance .....	3
Corporation Accounting ..	3	Railroad Finance .....	3	Research in Money and	
Research in Trusts and		Research in Money and		Banking .....	2
Combinations .....	2	Banking .....	2	Approved Electives .....	8
Approved Electives .....	4	Approved Electives .....	3		
	16		16		15

## EMPLOYMENT MANAGEMENT

## SOPHOMORE

Second Year Accounting, 3 credits per quarter: Total 9 credits.

JUNIOR					
Autumn	Credits	Winter	Credits	Spring	Credits
Philosophy .....	5	Sociology .....	5	Business Statistics .....	2
Statistical Methods .....	5	Immigration and Labor..	2	Political Science .....	5
Labor Legislation .....	3	Social Insurance .....	3	Ethics .....	5
Approved Electives .....	5	Approved Electives .....	5	Approved Electives .....	3
	16		15		16

## SENIOR

History of Labor .....	3	Modern Labor Problems...	3	European Labor Problems.	3
Women in Industry .....	3	Industrial Management ..	3	Business Administration ..	3
Research in Industrial		Cost Accounting .....	3	Employment Management ..	3
Management .....	2	Advanced Economics ....	5	Research in Industrial	
Approved Electives .....	7	Research in Industrial		Management .....	2
	15	Management .....	2	Approved Electives .....	5
			16		16

## EXECUTIVE MANAGEMENT

## SOPHOMORE

Second Year Accounting, 3 credits per quarter: Total 9 credits.

JUNIOR					
Autumn	Credits	Winter	Credits	Spring	Credits
Philosophy .....	5	Ethics .....	5	Political Science .....	5
Business Administration ..	3	Statistical Methods .....	5	Sales Management .....	3
Trusts and Combinations..	3	Corporation Finance .....	3	Investments .....	3
Sociology .....	5	Marketing of Manufac-		Approved Electives .....	5
		tured Products .....	3		
	16		16		16

## SENIOR

History of Labor .....	3	Industrial Management ..	3	Employment Management ..	3
Advanced Economics .....	5	Modern Labor Problems...	3	Business Statistics .....	2
Research in Industrial		Cost Accounting .....	3	Research in Industrial	
Management .....	2	Research in Industrial		Management .....	2
Approved Electives .....	5	Management .....	2	Approved Electives .....	8
	15	Approved Electives .....	4		
			15		15



## MARKETING AND SALES

## SOPHOMORE

Marketing of Manufactured Products.....	3 credits
Sales Management .....	3 credits

## JUNIOR

Autumn	Credits	Winter	Credits	Spring	Credits
Economics of Advertising..	3	Principles of Advertising..	3	Advertising Campaigns ...	3
Trade of the Far East ....	3	Trade of the Near East... 3		Trade of Latin America ..	3
Trusts & Combinations ....	3	Regulation of Industry ...	3	Ports and Terminals .....	3
Foreign Exchange .....	2	Economics of Consumption..	2	Commercial Credits .....	2
Philosophy .....	5	Sociology .....	5	Political Science .....	5
	16		16		16

## SENIOR

	Credits		Credits		Credits
Research in Advertising and Marketing .....	2	Research in Advertising and Marketing .....	2	Research in Advertising and Marketing .....	2
Trade of the North West..	2	Technique of Foreign Trade	3	Trade of Europe .....	3
Business Administration ..	3	Business Correspondence ..	3	Rail and Marine Rates ..	3
Ethics .....	5	Corporation Finance .....	3	Advanced Economics .....	5
Approved Electives .....	3	Approved Electives .....	4	Approved Electives .....	2
	15		15		15

## RETAIL STORE SELLING

## FRESHMAN

Autumn	Credits	Winter	Credits	Spring	Credits
Textiles .....	5	Sewing .....	3	Elementary Physiology ....	5
Written and Oral English..	5	Written and Oral English..	5	Economic Resources of the World .....	5
General Economics .....	5	Painting, Sculpture and Design .....	5	Approved Electives .....	5
	15	Approved Electives .....	2		15

## SOPHOMORE

	Credits		Credits		Credits
Dressmaking .....	5	Non Textiles .....	3	Home Furnishings .....	3
Textile and Costume Design	2	Marketing of Manufactured Products .....	3	Ethics .....	5
Economics of Markets ....	3	Psychology .....	5	Sociology .....	5
Social and Economic Standards of Living....	3	Approved Electives .....	5	Approved Electives .....	2
Approved Electives .....	8		16		15

## JUNIOR

	Credits		Credits		Credits
Physics of the Home ....	5	Physics of the Home ....	5	Principles of Education... 5	
Department Store Training .....	3	Applied Psychology .....	5	Department Store Training .....	3
Practice Selling .....	3	Department Store Training .....	3	Practice Selling .....	3
Approved Electives .....	4	Practice Selling .....	3	Approved Electives .....	4
	15		16		15

## SENIOR

	Credits		Credits		Credits
History of American Labor. 3		Sociology .....	3	Sales Management .....	3
Household Management ....	3	Statistical Methods .....	5	Employment Management ..	3
High School Curriculum ...	3	Modern Labor Problems ...	3	Practice Teaching .....	5
Methods of Teaching.....	3	Approved Electives .....	4	Approved Electives .....	4
Approved Electives .....	3		15		15

## ADVERTISING

## SOPHOMORE

Marketing of Manufactured Products .....	3 credits
Sales Management .....	3 credits

## JUNIOR

Autumn	Credits	Winter	Credits	Spring	Credits
Economics of Advertising..	3	Principles of Advertising. 3		Advertising Campaigns ....	3
Adv. English Composition 3		Adv. English Composition 3		Adv. English Composition 3	
Trade of the Far East ....	3	Trade of Near East .....	3	Trade of Latin America ...	3
Foreign Exchange .....	2	Economics of Consumption. 2		Commercial Credits .....	2
Philosophy .....	5	Sociology .....	5	Political Science .....	5
	16		16		16

SENIOR					
Autumn	Credits	Winter	Credits	Spring	Credits
Research in Marketing and Advertising .....	2	Research in Marketing and Advertising .....	2	Research in Marketing and Advertising .....	2
Typography of Advertising .....	2	Typography of Advertising .....	2	Typography of Advertising .....	2
Trade of the North West .....	2	Commercial Policies .....	2	Trade of Europe .....	3
Ethics .....	5	Technique of Foreign Trade .....	3	Advanced Economics .....	5
Approved Electives .....	4	Business Correspondence .....	3	Approved Electives .....	3
	15	Approved Electives .....	3		15

## TRANSPORTATION

## SOPHOMORE

Second Year Accounting, 3 credits per quarter: Total 9 credits.

JUNIOR					
Autumn	Credits	Winter	Credits	Spring	Credits
Railroad Administration ..	3	Railroad Finance .....	3	Railroad Accounting .....	3
Philosophy .....	3	Ethics .....	5	Political Science .....	5
Sociology .....	5	Statistical Method .....	5	Business Statistics .....	2
Business Correspondence ..	3	Water Transportation .....	2	Investments .....	3
	10		15	Approved Electives .....	2

SENIOR					
Autumn	Credits	Winter	Credits	Spring	Credits
Trusts & Combinations ....	3	Marine Insurance .....	3	Rail and Marine Rates ....	3
Admiralty Law .....	3	Law of Public Utilities ..	3	Advanced Economics .....	5
Organization of Foreign Trade .....	3	Technique of Foreign Trade	3	Ports and Terminals .....	3
Research in Transportation ..	4	Corporation Finance .....	3	Research in Transportation	2
Approved Electives .....	4	Approved Electives .....	4	Law of Public Utilities...	3
	17		16		16

## MARITIME COMMERCE

Giving preliminary training for the position of general manager and foreign representative in firms engaged in foreign trade, for port managers, auditors, and desk officers in shipping organizations.

The courses after the first year will be taken on the alternating quarter system, quarters of office practice and sea service being coordinated with the academic work.

First Quarter	Credits	Second Quarter	Credits	Third Quarter	Credits
Elementary Accounting ..	5	Accounting .....	5	Economic Resources ..	5
Business Correspondence	3	Business Statistics ....	2	Risk and Insurance....	3
Ship Operation I or Elective .....	3	Ship Operation II or Elective .....	3	Ship Operation or Elective .....	3
Typewriting .....	1	Typewriting .....	1	Elective .....	4
Elective .....	3	Elective .....	4	Mil. Sci. ....	2
Mil. Sci. ....	2	Mil. Sci. ....	2		
	15+2		15+2		15+2
Fourth Quarter	Credits	Fifth Quarter	Credits	Sixth Quarter	Credits
Econ's of Transportation	3	Water Transportation ..	3	Markets .....	3
Modern Language .....	5	Modern Language .....	5	Modern Language .....	5
Business Law .....	3	Business Law .....	3	Business Law .....	3
Elective .....	4	Elective .....	4	Elective .....	4
Mil. Sci. ....	2	Mil. Sci. ....	2	Mil. Sci. ....	2
	15+2		15+2		15+2
Seventh Quarter	Credits	Eighth Quarter	Credits	Ninth Quarter	Credits
Business Admin .....	3	Money and Banking ..	5	Rail and Marine Rates ..	3
Foreign Trade .....	3	Foreign Trade .....	3	Ports & Terminals ....	3
Advertising .....	3	Marine Insurance .....	2	Commercial Credits ....	2
Elective .....	6	Elective .....	5	Elective .....	7
	15		15		15

<i>Tenth Quarter</i>	<i>Credits</i>	<i>Eleventh Quarter</i>	<i>Credits</i>	<i>Twelfth Quarter</i>	<i>Credits</i>
Foreign Exchange .... 2		Admiralty Law ..... 2		Port Management..... 3	
Employment Management 3		Commercial Policies... 2		Corporation Finance .. 3	
Elective .....10		Elective .....11		Elective ..... 9	
	15		15		15

## FOREIGN TRADE\*

## SOPHOMORE

Water Transportation .....	2 credits
Marketing of Manufactured Products .....	3 credits

## JUNIOR

<i>Autumn</i>	<i>Credits</i>	<i>Autumn</i>	<i>Credits</i>	<i>Spring</i>	<i>Credits</i>
Organization of Foreign Trade .....	3	Technique of Foreign Trade ..	3	Ports & Terminals .....	3
Trade of Far East .....	3	Trade of the Near East ..	3	Trade of Latin America..	3
Trade of the Northwest..	2	Trade of Australasia and Africa .....	2	Trade of Europe .....	3
Foreign Exchange .....	2	Commercial Policies .....	2	Commercial Credits .....	2
Political Science .....	5	Philosophy .....	5	Sociology .....	5
	15		15		15

## SENIOR

<i>Autumn</i>	<i>Credits</i>	<i>Winter</i>	<i>Credits</i>	<i>Spring</i>	<i>Credits</i>
Research in Foreign Trade ..	2	Marine Insurance .....	2	Research in Foreign Trade ..	2
Economics of Advertising..	3	Principles of Advertising..	3	Rail and Marine Rates...	3
International Law .....	3	Ethics .....	5	Sales Management .....	3
Admiralty Law .....	3	Approved Electives .....	5	Business Correspondence ..	3
Approved Electives .....	4			Advanced Economics .....	5
	15		15		15

## INSURANCE

## SOPHOMORE

Second Year Accounting, 3 credits per quarter: Total 9 credits.

## JUNIOR

<i>Autumn</i>	<i>Credits</i>	<i>Winter</i>	<i>Credits</i>	<i>Spring</i>	<i>Credits</i>
Philosophy .....	5	Sociology .....	5	Political Science .....	5
Fire Insurance .....	5	Social Insurance .....	3	Life Insurance .....	5
Statistical Methods .....	5	Marine Insurance .....	2	Business Statistics .....	2
	15	Ethics .....	5	Approved Elective .....	3
			15		15

## SENIOR

	<i>Credits</i>		<i>Credits</i>		<i>Credits</i>
Advanced Economics ....	5	Principles of Advertising..	3	Advertising Campaigns ...	3
Economics of Advertising..	3	Banking Practice .....	3	Commercial Credits .....	2
Business Administration ..	3	Cost Accounting .....	3	Sales Management .....	3
Research in Insurance ....	2	Research in Insurance ....	2	Research in Insurance ....	2
Approved Electives .....	2	Approved Electives .....	4	Approved Electives .....	5
	15		15		15

## SECRETARIAL WORK

## SOPHOMORE

Typewriting .....	3 credits
Advanced English Composition .....	6 credits
Current Events .....	2 credits

## JUNIOR

<i>Autumn</i>	<i>Credits</i>	<i>Winter</i>	<i>Credits</i>	<i>Spring</i>	<i>Credits</i>
Philosophy .....	5	Political Science .....	5	Sociology .....	5
Contemporary Literature ..	3	Contemporary Literature ..	3	Contemporary Literature ..	3
Business Correspondence ..	3	Office Management .....	3	Public Speaking .....	3
Shorthand .....	2	Shorthand .....	2	Shorthand .....	2
Approved Elective .....	2	Approved Elective .....	2	Approved Elective .....	2
	15		15		15

\*It is assumed that the student will have had at least two years of a modern foreign language before entering upon the course. If he has not fulfilled this requirement, he will be expected to take some modern foreign language for at least three quarters before the end of his junior year. High School students looking forward to majoring in Foreign Trade are advised to take French or Spanish for four years at their High School.

SENIOR					
<i>Autumn</i>	<i>Credits</i>	<i>Winter</i>	<i>Credits</i>	<i>Spring</i>	<i>Credits</i>
Elements of Reporting .. 3		Elements of Reporting .. 3		Elements of Reporting .. 3	
Statistical Method ..... 5		Advanced Economics ..... 5		Ethics ..... 5	
Secretarial Research ..... 2		Secretarial Research ..... 2		Secretarial Research ..... 2	
Secretarial Training ..... 2		Secretarial Training ..... 2		Secretarial Training ..... 2	
Approved Elective ..... 8		Approved Elective ..... 8		Approved Elective ..... 8	
	<u>15</u>		<u>15</u>		<u>15</u>

NOTE: Students in the College of Liberal Arts may elect the Secretarial Work in their junior and senior years. They should offer Typewriting as part of their junior certificate work.

### COMMERCIAL TEACHING

SOPHOMORE	
Typewriting .....	3 credits
Advanced English Composition .....	6 credits
Current Events .....	2 credits

JUNIOR					
<i>Autumn</i>	<i>Credits</i>	<i>Winter</i>	<i>Credits</i>	<i>Spring</i>	<i>Credits</i>
Philosophy ..... 5		Political Science ..... 5		Sociology ..... 5	
Principles of Education.. 5		Educational Sociology .... 3		High School Curriculum... 3	
Shorthand ..... 2		Shorthand ..... 2		Shorthand ..... 2	
Business Correspondence... 3		Office Management ..... 3		Public Speaking ..... 3	
		Approved Electives ..... 2		Approved Electives ..... 2	
	<u>15</u>		<u>15</u>		<u>15</u>
SENIOR					
Statistical Methods ..... 5		Banking Practice ..... 3		Ethics ..... 5	
Methods of Teaching ..... 3		Advanced Economics ..... 5		Practice Teaching ..... 3	
Secretarial Training ..... 2		Secretarial Training ..... 2		Secretarial Training ..... 2	
Commercial Teachers' Course 2		Commercial Teachers' Course 2		Commercial Teachers' Course 2	
Approved Electives ..... 3		Approved Electives ..... 3		Approved Electives ..... 2	
	<u>15</u>		<u>15</u>		<u>16</u>

### COURSES

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

## SCHOOL OF JOURNALISM

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### THE FACULTY

HENRY SUZZALLO, P.H. D. (Columbia), LL. D. (California), PRESIDENT.

JOHN THOMAS CONDON, LL. M. (Northwestern), DEAN OF FACULTIES.

MATTHEW LYLE SPENCER, PH. D. (Chicago), Professor of Journalism, DIRECTOR.

FRED WASHINGTON KENNEDY, Assistant Professor of Journalism, DIRECTOR of the Journalism Laboratories.

RALPH D. CASEY, A. B. (Washington), Assistant Professor of Journalism.

ROBERT W. JONES, A. M. (So. Dakota), Assistant Professor of Journalism.

GRACE HARTLEY EDGINGTON, A. B. (Oregon), Associate in Journalism.

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LESLIE JAMES AYER, B. S., J. D. (Chicago), Professor of Law.

WILLIAM DANIEL MORIARTY, PH. D. (Michigan), Associate Professor of Business Administration.

HORACE HARDY LESTER, PH. D. (Princeton), Instructor in Newspaper Photography.

AMBROSE PATTERSON, Associate in Fine Arts.

HAROLD L. TURPIN, Assistant in Business Administration.

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### 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 other departments of the Colleges of Liberal Arts and Science are planned with two distinct aims in view: first, to offer instruction and practice in all the important details of newspaper work; second, to provide such studies as are best adapted to give the broad training necessary for the 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. The 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.

*Equipment.*—Journalism and printing take up the entire lower floor of Commerce Hall, 208 x 70 feet, occupied first in September, 1917. On this floor are the class rooms, the exchange room, the journalism library and reading room, the faculty offices, the University of Washington Daily offices, the Tyee and Sun Dodger quarters, the printing and stock rooms, and all the mechanical equipment for teaching practical journalism. The printing laboratory of the School does practically all the printing and publishing work required on the University 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 has been installed a journalism "morgue", for newspaper and periodical clippings on current topics classified for instant reference. This contains biography, book reviews, and dramatic criticism, besides the continuous history of events.

*Student Publications.*—The editorial and business offices of the University of Washington Daily, Sun Dodger, and Tyee are on the first floor of Commerce Hall. Ownership of The Daily and Tyee is vested in the student body. Ownership and control of Sun Dodger is held by a corporation of students. None of these is supervised by the School of Journalism, though the staff members of each are recruited mainly from the School. All these publications offer opportunities for practical experience in journalistic work. Places on the editorial and business staffs of each are awarded for the most part on a basis of literary and executive ability and 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 evening paper by the students.

*Journalism Clubs.*—Three national organizations are maintained by the 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 \$50 a month, according to the services given. Promise of employment, however, cannot be made in advance. Positions are usually given those on the ground who are able to show by actual experience that they can do the work required.

#### ADMISSION AND GRADUATION

*Correspondence and Credentials.*—All correspondence regarding admission to any college or school of the University, credentials, and requests for bulletins should be addressed to the Registrar, University of Washington. Full information regarding requirements for admission is given on pages 40-45.

*Courses for Freshmen and Sophomores.*—Courses in news writing, elements of publishing, and the country newspaper are open to students of sophomore rank, and a special course for freshman is given in Literary Backgrounds for News Writers. From the beginning of the freshman year a specific curriculum of studies (see page 108) is required of students expecting to major in journalism. During the freshman and sophomore years the Director of the School of Journalism serves as the adviser of prospective majors in journalism. The election blank mailed each student by the registrar should be taken to the Director for guidance in the choice of courses and for final approval. Formal admission to the School of Journalism is not permitted until the junior year.

*Admission.*—On the successful completion of 90 plus 12 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 automatically to the School of Journalism. Persons over twenty-one years of age, not candidates for a degree, but wishing to take special studies, are permitted to elect journalism courses as special students on giving satisfactory evidence that they have sufficient preparation to profit by the courses chosen. (See page 43.)

*Graduation.*—The curriculum of the School of Journalism leads to the degree of bachelor of arts, for which 180 credits must be obtained, plus 12 hours in physical training or military science. Sixty of these credits must be in journalism, and a minimum of 90 plus 12 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 the teaching of 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 will be 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 is granted by the University.

*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.

*Shorthand and Typewriting.*—All written work in all courses in journalism except Journalism 1-2 must be done on the typewriter. Both shorthand and typewriting are required for graduation. Prospective students may save themselves much time, however, by learning shorthand and typewriting before entering the University. Tests in each are given quarterly, and those who pass them successfully are excused from taking the University courses.

#### COURSES

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



## CURRICULUM

The 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 starred are required.

FRESHMEN<sup>1</sup>*\*Economics*

1. General Economics. 5 Credits
51. Typewriting. 1 Credit

*\*English*

- 1-2. Freshman English. 5 Credits

*\*Journalism*

- 1-2. Literary Backgrounds for News Writers. 10 Credits

*\*Military Science*

- 1-2-3. Theoretical Military Science. 6 Credits.

*\*Political Science*

1. Elements of Government. 5 Credits
10. American Government. 3 Credits.
11. State Government. 3 Credits.

*Foreign Language.* 15 Credits.*History.*

- 5-6-7. Europe and the Near East. 9 Credits.

*Painting*

- 5-6-7. Freehand Drawing. 9 Credits

*Science.* 15 Credits*Sociology*

1. Introductory Sociology. 5 Credits

## SOPHOMORES

*\*Economics*

54. Shorthand. 1 Credit

*\*History*

- 57-58-59. History of the United States. 9 Credits

*\*Journalism*

- 51-52-53. News Writing. 9 Credits
- 61-62-63. The Country Newspaper. 3 Credits
- 75-76-77. Elements of Publishing. 3 Credits
90. Current Events. 1 Credit

*\*Military Science*

- 4-5-6. Practical Military Science. 6 Credits

*\*Psychology*

1. General Psychology. 5 Credits

*Economics*

- 11-12-13. Elementary Accounting. 9 Credits
- 76-77-78. Advertising. 9 Credits

*English*

- 70-71. Shakespeare. 6 Credits

*Foreign Language.* 9 Credits*History*

- 71-72-73. Ancient History. 9 Credits

*Music*

- 1-2-3. Music Appreciation. 6 Credits
- 4-5-6. History of Music. 6 Credits

*Painting*

- 56-57-58. Illustration and Life Study. 9 Credits

*Philosophy*

5. Elements of Logic. 5 Credits

*Political Science*

52. Political Parties. 5 Credits

*Science.* 15 Credits*Sociology*

51. Evolution of Material Culture. 8 Credits
55. Programs of Social Reform. 3 Credits
56. Criminology. 3 Credits
57. Race Problems in America. 2 Credits

<sup>1</sup>Students who have not had science in high school are required to take ten hours of chemistry or physics and ten of botany or zoology in the University. Students entering without foreign language are required to take two years of a modern foreign language in the University.

## JUNIORS

*\*English*

161. Early Nineteenth Century in American Literature. 3 Credits  
 162. Middle Nineteenth Century in America. 3 Credits  
 163. American Literature after 1870. 3 Credits

*\*Greek<sup>1</sup>*

11. Greek Civilization. 5 Credits

*\*Journalism*

- 101-102-103. Advanced News Writing. 6 Credits  
 120-121-122. Copy Reading. 9 Credits  
 140-141-142. Business Office (I). 6 Credits

*\*Latin<sup>1</sup>*

11. Roman Civilization. 5 Credits

*\*Law*

- 54-55-56. Business Law. 9 Credits

*\*Physical Education.**Architecture*

- 101-102-103. History of Architecture. 6 Credits

*Astronomy*

1. Introduction to Astronomy. 1 Credit

*Economics*

42. Elements of Statistics. 3 Credits  
 90. Business Correspondence. 3 Credits

*English*

- 111-112-113. History of English Prose. 6 Credits  
 144-145-146. Romantic Movement. 9 Credits  
 183-184-185. General Literature. 9 Credits

*Foreign Language. 9 Credits**History*

111. Medieval Civilization. 3 Credits  
 130. Europe, 1814-1870. 3 Credits  
 131. Europe since 1870. 5 Credits  
 147. History of the Civil War Period. 3 Credits  
 148. History of the Reconstruction Period. 3 Credits  
 149. History of National Development. 3 Credits

*Journalism*

105. The Sporting Page. 2 Credits  
 109. Critical Writing. 3 Credits  
 130. Function of Newspaper Advertising. 3 Credits  
 131. Display Advertising. 3 Credits  
 132. General Publicity. 3 Credits  
 133-134-135. Advertising Typography. 6 Credits  
 130-137. Comparative Journalism. 4 Credits

*Philosophy*

- 101-102-103. History of Philosophy. 3 Credits  
 114-115-116. History of Religion. 3 Credits

*Political Science*

100. Municipal Government. 3 Credits  
 102. Municipal Problems. 5 Credits

*Psychology*

111. History of Psychology. 2 Credits  
 126. Abnormal Psychology. 5 Credits

*Science. 15 Credits**Sociology*

129. Social Statistics. 3 Credits

## SENIORS

*\*English*

- 174-175-176. Romantic and Victorian Poets. 9 Credits

*\*Journalism*

139. History of Journalism. 4 Credits  
 150. Editorial Writing. 4 Credits  
 153. Editorial Policy. 2 Credits  
 200. Senior Conference. 1 Credit

*\*Physical Education.**Architecture*

- 151-152-153. History of Architecture. 6 Credits  
 157-158-159. Freehand Drawing. 6 Credits

*Economics*

105. Trusts and Combinations. 3 Credits  
 120. Business Administration. 3 Credits  
 121. Corporation Finance. 3 Credits  
 153. Railroad Administration. 2 Credits  
 161. History of the American Labor Movement. 3 Credits  
 102. Modern Labor Problems. 3 Credits

*English*

- 103-104-105. Contemporary Literature. 9 Credits

- 177-178-179. The Nineteenth Century. 3 Credits  
 183-184-185. General Literature. 9 Credits

*Foreign Language. 9 Credits**History*

- 163-164-165. Northwestern History. 6 Credits  
 201-202-203. Historical Criticism. 6 Credits

*Journalism*

- 143-144-145. The Business Office (II). 6 Credits  
 160-161-162. Trade Journalism. 9 Credits  
 170-171-172. Magazine and Feature Writing. 6 Credits  
 173-174-175. Short Story. 9 Credits  
 185. Teachers' Course. 2 Credits

*Political Science*

- 110-111. International Law and Politics. 6 Credits

*Science. 15 Credits*

<sup>1</sup>Students who have taken, or who plan to take, three or more years of ancient language may omit this requirement.

# COLLEGE OF ENGINEERING

## THE FACULTY

- HENRY SUZZALLO, PH. D. (Columbia), LL. D. (California), PRESIDENT
- JOHN THOMAS CONDON, LL. M. (Northwestern), DEAN OF FACULTIES.
- CARL EDWARD MAGNUSSEN, PH. D. (Wisconsin), E. E. (Minnesota), Professor of Electrical Engineering; ACTING DEAN.
- EVERETT OWEN EASTWOOD, C. E., M. A. (Virginia), S. B. (Massachusetts Institute of Technology), Professor of Mechanical Engineering.
- CHARLES CHURCH MORE, M. S., C. E. (Lafayette), M. C. E. (Cornell), Professor of Civil Engineering.
- WILLIAM FRANKLIN ALLISON, B. S., C. E. (Purdue), C. E. (Cornell), Professor of Municipal and Highway Engineering.
- GEORGE SAMUEL WILSON, B. S. (Nebraska), Associate Professor of Mechanical Engineering.
- CHARLES WILLIAM HARRIS, C. E., (Cornell), Associate Professor of Civil Engineering.
- <sup>1</sup>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), Associate Professor of Mechanical Engineering.
- HARRY RUBEY, B. S. (C. E.), (Illinois) Associate Professor of Civil Engineering.
- <sup>1</sup>FREDERICK KURT KIRSTEN, B. S., E. E. (Washington), Assistant Professor of Electrical Engineering.
- LESLIE FOREST CURTIS, B. S. (Tufts), M. S. (E. E.) (Washington), Assistant Professor of Electrical Engineering.
- JOHN CHARLES RATHBUN, JR., A. M., B. S., C. E. (Washington) Assistant Professor of Civil Engineering.
- IRA LEONARD COLLIER, B. S. (C. E.) (Washington), Assistant Professor of Civil Engineering.
- CHARLES CULBERTSON MAY, D. S. (C. E.), (Washington), Assistant Professor of Civil Engineering.
- JOHN CHARLES RATHBUN, JR., A. M., B. S., C. E. (Washington) assistant Professor of Civil Engineering.
- FRED FALCONER WELD, C. E. (Pennsylvania State College), Associate in Civil Engineering.
- SAMUEL THOMAS BLATTIE, Instructor in Woodwork.
- SANDY MORROW KANE, Instructor in Metal Work.
- CLARENCE LESTER WHITE, C. E. (Iowa), Instructor in Civil Engineering.
- GORDON RUSSELL SHUCK, E. E. (Minnesota), Instructor in Electrical Engineering.
- JAMES BAKER HAMILTON, Instructor in Civil Engineering.
- RUSSEL H. WHITE, B. S. (Massachusetts Institute of Technology), Instructor in Civil Engineering.
- WILLIAM SPRAGEN, B. S. (E. E.) (Union College), Instructor in Electrical Engineering.
- HARRY MCINTYRE, B. S. (M. E.) (Washington), Instructor in Mechanical Engineering.
- EDMOND CLARENCE MILLER, B. S. (E. E.) (Washington), Acting Instructor in Civil Engineering.
- JOHN HOWARD THOMPSON, B. S. in Metallurgical Engineering (Washington) Acting Instructor in Civil Engineering.

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<sup>1</sup>Absent on leave, 1919-1920.

ROBERT QUIXOTE BROWN, B. S. (E. E.) (Washington), Acting Instructor in Civil Engineering.

ROBERT BOWMAN VAN HORN, B. S. (C. E.) (Washington), Acting Instructor in Civil Engineering.

LOUIS GUSTAV GERHARDT, B. S. (Min. E.) (Washington), Acting Instructor in Civil Engineering.

ELWOOD MORTON WILBUR, B. S. (C. E.), (Maine), Instructor in Civil Engineering.

CHRIS GRENSIDE DOBSON, E. M. (Montana School of Mines), Acting Instructor in Civil Engineering.

FOREST CHARLES DANA, B. S. (C. E.) (Washington), Acting Instructor in Civil Engineering.

M. L. WETZEL, Assistant in Mechanical Engineering.

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FREDERICK MORGAN PADELFORD, PH. D., (Yale), Professor of English.

FREDERICK ARTHUR OSBORN, PH. D. (Michigan), Professor of Physics and Director of the Physics Laboratories.

ROBERT EDOUARD MORITZ, PH. D (Nebraska), PH. N.D. (Strassburg), Professor of Mathematics.

HENRY KREITZER BENSON, PH. D., (Columbia), Professor of Chemical Engineering.

GEORGE MCPHAIL SMITH, PH. D., (Freiburg), Professor of Inorganic Chemistry.

JOHN WEINZIRL, PH. D., (Wisconsin), DR. P. H., (Harvard), Professor of Bacteriology.

LESLIE JAMES AYER, B. S. (Upper Iowa), J. D. (Chicago), Professor of Law.

SAMUEL LATIMER BOOTHROYD, M. S. (Colorado Agricultural College), Associate Professor of Astronomy.

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 HERBERT ANDERSON, PH. D. (Illinois), Assistant Professor of Physics.

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## THE COLLEGE OF ENGINEERING

*Curricula and Degrees.*—The College of Engineering offers two four-year 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 broader foundation of general training than is possible 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, lead 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) given by engineering instructors in two three-hour periods a week and 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, thus making it possible for a student to delay the definite choice until the beginning of the sophomore year.

All freshman and much 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. Thus freshmen may enter at the opening of any quarter with the assurance of continuity of work for at least two years. 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, B or C. The candidate must also 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 two years on graduates of this college holding the degree (M. S.) and in three years on those with (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.

## REQUIREMENTS FOR ADMISSION

Full information regarding requirements for admission, registration, and expense may be found on pages 40-50.

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

## FRESHMEN

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Alg. Math. 51.....	3	Trig. Math. 52.....	3	Anal. Geom. Math. 53....	3
Engr. Prob. C. E. 11.....	3	Engr. Prob. C. E. 12.....	3	Engr. Prob. C. E. 13.....	3
Gen. Chem. 1 or 21.....	5	Gen. Chem. 2 or 22.....	5	Gen. Chem. 3 or 23.....	5
Drawing, C. E. 1.....	3	Drawing, C. E. 2.....	3	Surveying, C. E. 21.....	3
Woodwork, M. E. 1.....	1	Woodwork, M. E. 2.....	1	Woodwork, M. E. 3.....	1
Mil. Sci. 1.....	2	Mil. Sci. 2.....	2	Mil. Sci. 3.....	2
	17		17		17

## IN CHEMICAL ENGINEERING

Leading to the degree of Bachelor of Science in  
Chemical Engineering

## FRESHMAN

The same for all curricula. See above.

## SOPHOMORE

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Diff. Cal. Math. 61.....	3	Int. Cal. Math. 62.....	3	Dir. Cur. E. E. 99.....	4
Physics 97.....	5	Physics 98.....	5	D. C. Lab. E. E. 100.....	2
Qual. Chem. 43.....	5	Quant. Chem. 101.....	4	Physics 99.....	5
Metalwork, M. E. 53.....	1	St. Engr. M. E. 82.....	3	Quant. Chem. 102.....	4
Mil. Sci. 4.....	2	Metalwork, M. E. 54.....	1	Metalwork, M. E. 55.....	1
		Mil. Sci. 5.....	2	Mil. Sci. 6.....	2
	16		18		18

## JUNIOR

Organic Chem. 131.....	5	Organic Chem. 132.....	5	Organic Chem. 133.....	5
Indust. Chem. 121.....	5	Indust. Chem. 122.....	5	Indust. Chem. 123.....	5
Alt. Cur. E. E. 121.....	4	Mechanics, C. E. 131.....	3	Mach. Des. M. E. 90.....	3
A. C. Lab. E. E. 122.....	2	Mechanism, M. E. 81.....	3	English 8.....	3
	16		16		16

## SENIOR

Phys. Chem. 161.....	5	Phys. Chem. 162.....	5	Elec. Chem. 184.....	5
Metallurgy, Min. 101.....	5	Mach. Des. M. E. 115.....	3	Elective.....	9
Steam Lab. M. E. 83.....	3	Thesis or Ch. E. 215.....	5		
Elective.....	3	Elective.....	3		
	16		16		14

Electives must in all cases be approved by the head of the department.

## IN CIVIL ENGINEERING

## Leading to the degree of Bachelor of Science in Civil Engineering

## FRESHMAN

The same for all curricula. See page 113.

## SOPHOMORE

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Cal. Math. 61.....	3	Cal. Math. 62.....	3	Steam Lab. M. E. 83.....	3
Mach. Des. M. E. 90.....	3	Mach. Des. M. E. 91.....	3	St. Eng. M. E. 82.....	3
Physics 97.....	5	Physics 98.....	5	Physics 99.....	5
Mechanics, C. E. 131.....	3	Mechanics, C. E. 132.....	3	Field Eng. C. E. 24.....	4
Mil. Sci. 4.....	2	Mil. Sci. 5.....	2	Mil. Sci. 6.....	2
	<u>16</u>		<u>16</u>		<u>17</u>

## JUNIOR

R. R. Surv. C. E. 22.....	4	Higher Surv. C. E. 23.....	4	Reinforced Conc. C. E. 133	3
Hydraulics, C. E. 142.....	5	Higher Surv. C. E. 23.....	4	Direct Cur., E. E. 99.....	4
English 5.....	3	Highways, C. E. 122.....	3	D. C. Lab., E. E. 100.....	2
Geology 5.....	5	English 6.....	3	Str. Mtls., C. E. 107.....	3
	<u>17</u>	Elective .....	3	Engr. Con., C. E. 41.....	3
			<u>16</u>		<u>15</u>

## SENIOR

Frame Struc., C. E. 134... 3	Elective .....	11	Elective .....	14
Business Law 54..... 3	Business Law 55.....	3		
Thesis or Engr. Elective... 5				
Elective .....				
	<u>10</u>		<u>14</u>	<u>14</u>

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 113.

## SOPHOMORE

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Dif. Cal. Math. 61.....	3	Int. Cal. Math. 62.....	3	Dir. Cur., E. E. 99.....	4
Mechanism, M. E. 81.....	3	St. Engr., M. E. 82.....	3	D. C. Lab., E. E. 100.....	2
Physics 97 .....	5	Physics 98.....	5	Physics 99 .....	5
Mach. Des., M. E. 90.....	3	Mach. Des., M. E. 91.....	3	Cal. Math. 63.....	3
Metalwork, M. E. 53.....	1	Metalwork, M. E. 54.....	1	Metalwork, M. E. 55.....	1
Mil. Sci. 4.....	2	Mil. Sci. 5.....	2	Mil. Sci. 6.....	2
	<u>17</u>		<u>17</u>		<u>17</u>

## JUNIOR

Dir. Cur., E. E. 103.....	5	Alt. Cur. E. E. 161.....	5	Alt. Cur., E. E. 163.....	5
D. C. Lab., E. E. 104.....	4	A. C. Lab., E. E. 162.....	4	A. C. Lab., E. E. 164.....	4
Steam Lab., M. E. 83.....	3	English 6.....	3	Physics 114.....	3
Mechanics, C. E. 131.....	3	Mechanics, C. E. 132.....	3	Elective .....	3
	<u>15</u>		<u>15</u>		<u>15</u>

## SENIOR

Transients, E. E. 196, 197, or Thesis 105.....	5	El. Des., E. E. 151.....	5	Elective .....	15
Hydraulics, C. E. 142.....	5	Elective .....	10		
Elective .....	5				
	<u>15</u>		<u>15</u>		<u>15</u>

Electives must in all cases be approved by the head of the department.

## IN MECHANICAL ENGINEERING

Leading to the degree of Bachelor of Science in  
Mechanical Engineering

## FRESHMAN

The same for all curricula. See page 113.

## SOPHOMORE

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Cal. Math. 61.....	3	Cal. Math. 62.....	3	Cal. Math. 63.....	3
Mechanism, M. E. 81.....	3	English 5.....	3	St. Eng., M. E. 82.....	3
Mach. Des., M. E. 90.....	3	Mach. Des., M. E. 91.....	3	Steam Eng. Lab., M. E. 83..	3
Physics 97.....	5	Physics 98.....	5	Physics 99.....	5
Metalwork, M. E. 53.....	1	Metalwork, M. E. 54.....	1	Metalwork, M. E. 55.....	1
Mil. Sci. 4.....	2	Mil. Sci. 5.....	2	Mil. Sci. 6.....	2
	17		17		17

## JUNIOR

Dir. Cur., E. E. 90.....	4	Alt. Cur., E. E. 121.....	4	Hydraulics, C. E. 142....	5
D. C. Lab., E. E. 100.....	2	A. C. Lab., E. E. 122....	2	Str. Matis., C. E. 167....	3
Exp. Eng., M. E. 151.....	3	Exp. Eng., M. E. 152....	3	Exp. Engr., M. F. 153....	3
Eng. & Boil., M. E. 123....	3	Eng. & Boil., M. E. 124..	3	Eng. & Boil., Des., M. E.	
Mechanics, C. E. 131.....	3	Mechanics, C. E. 132....	3	125.....	3
Metalwork, M. E. 105.....	1	Metalwork, M. E. 106....	1	Metalwork, M. E. 107....	1
	16		16		15

## SENIOR

Business Law 54.....	3	Gas. Eng., M. E. 198....	3	Power Plants, M. E. 184..	3
Thermodynamics and Re-		Heat. & Vent., M. E. 182..	3	Steam Turb., M. E. 179...	3
frigeration, M. E. 183..	5	Mach. Des., M. E. 102....	2	Mach. Des., M. E. 103 or	
Mach. Des., M. E. 101....	2	Thesis or Elective.....	3	199.....	3
Elective.....	5	Elective.....	4	Thesis or Elective.....	3
	15		15	Elective.....	3

Electives 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 113.

## SOPHOMORE

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Cal. Math. 61.....	3	Cal. Math. 62.....	3	Cal. Math. 63.....	3
Mechanism, M. E. 81.....	3	English 5.....	3	St. Eng., M. E. 82.....	3
Mach. Des., M. E. 90.....	3	Mach. Des., M. E. 91.....	3	Steam Eng. Lab., M. E. 83..	3
Physics 97.....	5	Physics 98.....	5	Physics 99.....	5
Metalwork, M. E. 53.....	1	Metalwork, M. E. 54.....	1	Metalwork, M. E. 55.....	1
Mil. Sci. 4.....	2	Mil. Sci. 5.....	2	Mil. Sci. 6.....	2
	17		17		17

## JUNIOR

Dir. Cur., E. E. 90.....	4	Alt. Cur., E. E. 121.....	4	Exp. Eng., M. F. 153.....	3
D. C. Lab., E. E. 100.....	2	A. C. Lab., E. E. 122....	2	Hydraulics, C. E. 142....	5
Exp. Eng., M. E. 151.....	3	Exp. Eng., M. E. 152....	3	Str. Matis., C. E. 167....	3
Nav. Arch., M. E. 185....	3	Nav. Ar. Draw., M. E. 186..	3	Nav. Ar. Draw., M. E. 187..	3
Mechanics, C. E. 131.....	3	Mechanics, C. E. 132....	3	Metalwork, M. E. 107....	1
Metalwork, M. E. 105.....	1	Metalwork, M. E. 106....	1		
	16		16		15

## SENIOR

Thermodynamics and Re-		Gas Engines, M. E. 199..	3	Mar. Engr., M. E. 100... 3
frigeration, M. E. 183..	5	Ship Design, M. E. 189... 2		Mar. Engr. & B. Des., M. E.
Ship Design, M. E. 188... 2		Heat. & Vent., M. E. 182.. 3		124.....
Business Law 54.....	3	Elective.....	7	Steam Turb., M. E. 179... 3
Elective.....	5			Elective.....
	15		15	Thesis.....

Electives must in all cases be approved by the head of the department.



## 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.

	<i>Credits</i>
Mathematics 51, 52, 53, 61, 62, 63.....	18
Physics 87, 98, 99.....	15
Chemistry 1, 2, 3, or 21, 22, 23.....	15
English 5 .....	3
Civil Engineering 1, 2, 11, 12, 13, 21, 131.....	21
Electrical Engineering 99, 100, 121, 122, or 161, 162.....	12
Mechanical Engineering 1, 2, 3, 81, 82, 90, 140.....	15
Business Administration 1, 11, 12, 13, 117, 195, 42, 145, 167....	20
Military Science or Physical Education.....	12
General electives .....	31
Technical electives in the department in which the student is registered, at least.....	21
	<hr/> 192

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.
- 111. Aerial Propellers.
- 121. Airplane Design.
- 141. Airships.
- 161. Aerial Transportation.

Electives must in all cases be approved by the dean.

## COURSES

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

## ENGINEERING EXPERIMENT STATION

## THE STAFF

HENRY SUZZALLO, PH. D. (Columbia), LL. D. (California), PRESIDENT.

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.

MILNOR ROBERTS, A. B. (Stanford), Mining and Metallurgy.

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 Standards and Tests.

For description of the work of the Experiment Station see page 34.

## COLLEGE OF FINE ARTS

### THE FACULTY

- HENRY SUZZALLO, PH. D. (Columbia), LL. D. (California), PRESIDENT  
JOHN THOMAS CONDON, LL. M. (Northwestern), DEAN OF FACULTIES  
IRVING MACKAY GLEN, A. M. (Oregon), Professor of Music, DEAN.  
WILLIAM PIERCE GORSUCH, A. B. (Knox), Professor of Dramatic Art.  
CARL FREELINGHUYSEN GOULD, A. B. (Harvard), Associate Professor of Architecture.  
CARL PAIGE WOOD, A. M. (Harvard), Assistant Professor of Music.  
MORITZ ROSEN, Graduate (Warsaw Conservatory), Assistant Professor of Music.  
ALBERT FRANZ VENINO (New York College, Stuttgart Conservatory, Leschetizky), Assistant Professor of Music.  
FRANCES DICKEY, A. M. (Columbia), Assistant Professor of Music.  
ROBERT FULTON McCLELLAND, (Massachusetts Institute of Technology), Instructor in Architecture.  
\_\_\_\_\_, Instructor in Music.  
MRS. LOUISE VAN OGLE, Instructor in Music.  
EILENE FRENCH, BAC. MUS. (Washington), M. A. (Columbia), Instructor in Music.  
HAROLD OGDON SEXSMITH, (Armour Institute), Instructor in Architecture  
ALBERT PORTER ADAMS, Instructor in Music.  
HELEN FERRYMAN, BAC. MUS. (Washington), Assistant in Music.  
GEORGE C. KIRCHNER, (Leipzig), Instructor in Music.  
ANNETTE EDENS, (New York School of Fine and Applied Arts, Columbia), Instructor in Design.  
\_\_\_\_\_, Instructor in Design.  
GLENN HUGHES, A. B. (Stanford), Instructor in Dramatic Art.  
AMBROSE PATTERSON, Associate in Fine Arts  
MRS. EUGENIA WORMAN, Associate in Fine Arts  
PAUL GUSTIN, Associate in Fine Arts.  
JAMES A. WEHN, Associate in Modelling and Sculpture.  
DAVID J. MYERS, Associate in Architecture.  
ELEANOR CAMPBELL, Instructor in Fine Arts.  
\_\_\_\_\_  
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).  
THOMAS TALBOT WATERMAN, PH. D. (Columbia), Associate Professor of Anthropology.  
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.  
GEORGE EARL FRELAND, PH. D. (Clark), Assistant Professor of Education.  
HARVEY 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.  
SAMUEL HERBERT ANDERSON, PH. D. (Illinois), Assistant Professor of Physics.  
MARY EMMA GROSS, A. M. (Teachers' College, Columbia), Assistant Professor of Physical Education.  
ERIC TEMPLE BELL, PH. D. (Columbia), Assistant Professor of Mathematics.  
CURT JOHN DUCASSE, PH. D. (Harvard), Assistant Professor of Philosophy.

## COLLEGE OF FINE ARTS

This college comprises the departments of architecture, dramatic art, music, and sculpture, painting and design. 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, 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 interpretations.

*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.

## REQUIREMENTS FOR ADMISSION

Full information regarding requirements for admission, registration, and expenses may be found on pages 40-50.

## COURSES

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

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)

## FRESHMAN

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Music 1 (Apprec.) . . . . .	2	Music 2 . . . . .	2	Music 3 . . . . .	2
4 (History) . . . . .	2	5 . . . . .	2	5 . . . . .	2
7 (Sight S.) . . . . .	2	8 . . . . .	2	9 . . . . .	2
14 (Ear Tr.) . . . . .	2	15 . . . . .	2	16 . . . . .	2
31 (Applied) . . . . .	3	32 . . . . .	3	33 . . . . .	3
10 (Chorus) elective . . . . .	1	11 or elective . . . . .	1	12 or elective . . . . .	1
English Comp. . . . .	3	English Comp. . . . .	3	English Comp. . . . .	3
Phys. Ed. . . . .	2	Phys. Ed. . . . .	2	Phys. Ed. . . . .	2
	<u>17</u>		<u>17</u>		<u>17</u>

## SOPHOMORE

Music 10 or elective . . . . .	1	Music 11 (or elective) . . . . .	1	Music 12 (or elective) . . . . .	1
68 (Applied) . . . . .	3	69 (Applied) . . . . .	3	70 . . . . .	3
51 (Harmony) . . . . .	3	52 . . . . .	3	53 . . . . .	3
Pol. Sci. . . . .	5	Physics 51 . . . . .	5	Physics 52 . . . . .	5
Mod. Lang. . . . .	5	Mod. Lang. . . . .	5	Mod. Lang. . . . .	5
Phys. Ed. . . . .	2	Phys. Ed. . . . .	2	Phys. Ed. . . . .	2
	<u>19</u>		<u>19</u>		<u>19</u>

## JUNIOR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Music 10 (or elective) . . . . .	1	Music 11 (or elective) . . . . .	1	Music 12 (or elective) . . . . .	1
118 (Applied) . . . . .	3	119 . . . . .	3	120 . . . . .	3
101 (Adv. Har.) . . . . .	3	102 . . . . .	3	103 . . . . .	3
104 (Adv. Hls.) . . . . .	2	105 . . . . .	2	106 . . . . .	2
107 (Counterp.) . . . . .	2	108 . . . . .	2	109 . . . . .	2
110 (Instr. Form) . . . . .	2	111 . . . . .	2	112 . . . . .	2
Mod. Lang. . . . .	5	Elective . . . . .	5	Elective . . . . .	5
	<u>18</u>		<u>18</u>		<u>18</u>

## SENIOR

Music 10 or elective . . . . .	1	Music 11 (or elective) . . . . .	1	Music 12 (or elective) . . . . .	1
168 Applied . . . . .	3	169 . . . . .	3	170 . . . . .	3
157 (Compos.) . . . . .	2	158 . . . . .	2	159 . . . . .	2
151 (Adv. Appr.) . . . . .	2	152 . . . . .	2	153 . . . . .	2
Elective . . . . .	8	Elective . . . . .	8	Philosophy 129 (Aesth.) . . . . .	5
	<u>16</u>		<u>16</u>	Senior Program* . . . . .	2
					<u>15</u>

\*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

FOR THE BACHELOR OF MUSIC DEGREE WITH A MAJOR  
IN COMPOSITION

FRESHMAN

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Music 1 (Apprec.) . . . . .	2	Music 2 . . . . .	2	Music 3 . . . . .	2
4 (History) . . . . .	2	5 . . . . .	2	6 . . . . .	2
7 (Sight S.) . . . . .	2	8 . . . . .	2	9 . . . . .	2
14 (Ear Tr.) . . . . .	2	15 . . . . .	2	16 . . . . .	2
51 (Beg. Har.) . . . . .	3	52 . . . . .	3	53 . . . . .	3
31 (Applied) . . . . .	3	32 . . . . .	3	33 . . . . .	3
English Comp. . . . .	3	English Comp. . . . .	3	English Comp. . . . .	3
Phys. Ed. . . . .	2	Phys. Ed. . . . .	2	Phys. Ed. . . . .	2
	<hr/> 19		<hr/> 19		<hr/> 19

SOPHOMORE

Music 10 (Chor.) or Elect. . . . .	1	Music 11 or Elect. . . . .	1	Music 12 or Elect. . . . .	1
101 (Adv. Har.) . . . . .	3	102 . . . . .	3	103 . . . . .	3
107 (Counterpoint) . . . . .	2	108 . . . . .	2	109 . . . . .	2
Modern Language . . . . .	5	Modern Language . . . . .	5	Modern Language . . . . .	5
Political Science . . . . .	5	Physics 51 . . . . .	5	Physics 52 . . . . .	5
Phys. Ed. . . . .	2	Phys. Ed. . . . .	2	Phys. Ed. . . . .	2
	<hr/> 18		<hr/> 18		<hr/> 18

JUNIOR

Music 10 (Chor.) or Elect. . . . .	1	Music 11 (Chor.) or Elect . . . . .	1	Music 12 (Chor) or Elect. . . . .	1
68 (Applied) . . . . .	3	69 . . . . .	3	70 . . . . .	3
110 (Instr. Form.) . . . . .	2	111 . . . . .	2	112 . . . . .	2
157 (Composition) . . . . .	2	158 . . . . .	2	159 . . . . .	2
104 (Adv. Hist.) . . . . .	2	105 . . . . .	2	106 . . . . .	2
Modern Language . . . . .	5	Elective . . . . .	5	Elective . . . . .	5
	<hr/> 15		<hr/> 15		<hr/> 15

SENIOR

Music 10 (Chor.) or Elect. . . . .	1	Music 11 (Chor.) or Elect . . . . .	1	Music 12 (Chor) or Elect. . . . .	1
118 (Applied) . . . . .	3	119 . . . . .	3	120 . . . . .	3
151 (Adv. Appr.) . . . . .	2	152 . . . . .	2	153 . . . . .	2
160 (Polyphonic) . . . . .	2	161 . . . . .	2	162 . . . . .	2
201 (Adv. Comp.) . . . . .	2	202 . . . . .	2	203 . . . . .	2
204 (Orchest.) . . . . .	2	205 . . . . .	2	206 . . . . .	2
Elective . . . . .	5	Elective . . . . .	5	Philosophy 120 (Aesth.) . . . . .	5
	<hr/> 17		<hr/> 17		<hr/> 17

FOR THE BACHELOR OF MUSIC DEGREE WITH A MAJOR  
IN PUBLIC SCHOOL MUSIC

FRESHMAN

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Music 1 (Appreciation) . . . . .	2	Music 2 (Appreciation) . . . . .	2	Music 3 (Appreciation) . . . . .	2
4 (History) . . . . .	2	5 (History) . . . . .	2	6 (History) . . . . .	2
7 (Sight Singing) . . . . .	2	8 (Sight Singing) . . . . .	2	9 (Sight Singing) . . . . .	2
10 (Chor.) or Elect. . . . .	1	11 Chor.) or Elect. . . . .	1	12 (Chor.) or Elect. . . . .	1
14 (Ear Training) . . . . .	2	15 (Ear Training) . . . . .	2	16 (Ear Training) . . . . .	2
31 (Applied) . . . . .	3	32 (Applied) . . . . .	3	33 (Applied) . . . . .	3
English Composition . . . . .	3	English Composition . . . . .	3	English Composition . . . . .	3
Physical Education . . . . .	2	Physical Education . . . . .	2	Physical Education . . . . .	2
	<hr/> 17		<hr/> 17		<hr/> 17

SOPHOMORE

54 (School Music) . . . . .	2	Music 52 (Harmony) . . . . .	3	Music 53 (Harmony) . . . . .	3
Music 51 (Harmony) . . . . .	3	55 (School Music) . . . . .	2	56 (School Music) . . . . .	2
10 (Chor.) or Elect. . . . .	1	11 Chor.) or Elect. . . . .	1	12 (Chor.) or Elect. . . . .	1
Psychology 1 . . . . .	5	Physics 51 . . . . .	5	Physics 52 . . . . .	5
Modern Language . . . . .	5	Modern Language . . . . .	5	Modern Language . . . . .	5
Physical Education . . . . .	2	Physical Education . . . . .	2	Physical Education . . . . .	2
	<hr/> 18		<hr/> 18		<hr/> 18

# COLLEGE OF FINE ARTS

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## JUNIOR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Music 68 (Applied) .....	3	Music 69 (Applied) .....	3	Music 70 (Applied) .....	3
101 (Adv. Harmony) .....	3	102 (Adv. Harmony) .....	3	103 (Adv. Harmony) .....	3
113 (Education) .....	2	114 (Education) .....	2	115 (Education) .....	2
Modern Language .....	5	Education 75 (Princp.) .....	5	Education 85 (Soc. F) .....	5
Political Science .....	5	Elective or Mod. Language .....	5	Elective or Mod. Language .....	5
	18		18		18

## SENIOR

Music 107 (Counterpoint) ..	2	Music 108 (Counterpoint) ..	2	Music 109 (Counterpoint) ..	2
110 (Instr. Forms) ..	2	111 (Instr. Forms) ..	2	112 (Instr. Forms) ..	2
151 (Adv. Apprec.) ..	2	152 (Adv. Apprec.) ..	2	153 (Adv. Apprec.) ..	2
154 (Ed. & Superv.) ..	2	155 (Ed. & Superv.) ..	2	156 (Ed. & Superv.) ..	2
Phys. Ed. 104 (Folk D) ..	5	Education 165 (Pract.) ..	5	Philosophy 129 (Aesth.) ..	5
Elective or Mod. Language ..	5	Elective or Mod. Language ..	5	Elective .....	3
	18		18		16

## FOR THE DEGREE OF BACHELOR OF ARTS IN MUSIC

### FRESHMAN

<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>	<i>Autumn Quarter</i>	<i>Credits</i>
*Music, elective .....	3	*Music, elective .....	3	*Music, elective .....	3
English Composition .....	3	English Composition .....	3	English Composition .....	3
Modern Language .....	5	Modern Language .....	5	Modern Language .....	5
Chem., Botany or Zoology ..	5	Chem., Botany or Zoology ..	5	Elective .....	3
Phys. Ed. or Mil. Sci. ..	2	Phys. Ed. or Mil. Sci. ..	2	Phys. Ed. or Mil. Sci. ..	2
	18		18		18

### SOPHOMORE

*Music, elective .....	5	Music, elective .....	5	Music, elective .....	5
Political Science .....	5	Physics 51-52 .....	5	Physics 51-52 .....	5
Foreign Lang. or elective ..	5	Foreign Lang. or elective ..	5	Foreign Lang. or elective ..	5
Phys. Ed. or Mil. Sci. ..	2	Phys. Ed. or Mil. Sci. ..	2	Phys. Ed. or Mil. Sci. ..	2
	17		17		17

### JUNIOR

Music, elective .....	6	Music, elective .....	6	Music, elective .....	6
Psychology .....	5	Liberal Arts, elective .....	10	Philosophy .....	5
Liberal Arts, elective .....	5			Liberal Arts, elective .....	10
	16		16		16

### SENIOR

Music, elective .....	5	Music, elective .....	5	Music, elective .....	5
Liberal Arts, elective .....	10	Liberal Arts, elective .....	10	Liberal Arts, elective .....	10
	15		15		15

A total of forty hours of modern 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 deficiency in addition to the hours demanded by the respective curricula, without credit. If he presents on entrance two years of Latin, he may be excused from ten hours of the modern language requirement at the discretion of the dean.

Students of the public school music course are required to take Education 165 in the senior year. This practice teaching substitutes for the senior thesis.

\* (1) Among the music courses indicated above the following are required: 1-2-3, 4-5-6, 7-8-9, 51-52-53, 101-102-103.

(2) Liberal Arts electives for junior and senior years must be chosen from courses in the senior college, except with the consent of the dean

# CURRICULUM IN ARCHITECTURE LEADING TO THE DEGREE OF BACHELOR OF ARCHITECTURE

## FRESHMAN

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Hist. & Elem. Archt. 1 2		Hist. & Elem. Archt. 2..2		Hist. & Elem. Archt. 3 2	
Arch. Drawing 4 .... 3		Arch. Drawing 5..... 3		Arch. Drawing 6 .... 3	
Descr. Geom. 7..... 3		Shades & Shadows 8.. 3		Perspective 9 ..... 3	
Mechanics 47 ..... 5		Mechanics 48 ..... 5		Modern Language .... 5	
Freehand Draw. 10 ... 1		Freehand Draw. 11 .. 1		Freehand Draw. 12 .. 1	
English 3 ..... 3		English 4 ..... 3		English 5 ..... 3	
Phys. Ed., Mil. Sci. .. 2		Phys. Ed., Mil. Sci. .. 2		Phys. Ed., Mil. Sci. .. 2	
	17+2		17+2		17+2

## SOPHOMORE

Hist. & Elem. Archt. 51 2		Hist. & Elem. Archt. 52 2		Hist. & Elem. Archt. 53 2	
Arch. Design 54 ..... 3		Arch. Design 55 ..... 3		Arch. Design 56 ..... 3	
Bldg. Constr. 60 ..... 2		Bldg. Constr. 61 ..... 2		Bldg. Constr. 62 ..... 2	
Modeling 72 ..... 1		Freehand Draw. 73 .... 1		Freehand Draw. 74.... 1	
Mathematics 57 ..... 3		Mathematics 58 ..... 3		Mathematics 59 ..... 3	
Modern Language 1 .. 5		Modern Language 2.... 5		Modern Language 3 .. 5	
Phys. Ed., Mil. Sci. .. 2		Phys. Ed., Mil. Sci. .. 2		Phys. Ed., Mil. Sci. .. 2	
	16+2		16+2		16+2

## JUNIOR

Hist. Archt. 101 ..... 2		Hist. Archt. 102 ..... 2		Hist. Archt. 103 ..... 2	
Arch. Design 104 ..... 3		Arch. Design 105 ..... 3		Arch. Design 106 ..... 3	
Modeling 112 ..... 1		Water Color 113 ..... 1		Water Color 114 ..... 1	
Mechanics (C. E.) 131 .. 3		Mechanics (C. E.) 132 .. 3		Rnf. Concrete (C. E.) 133 3	
Physics (Gen.) 1 ..... 5		Physics (Gen.) 2 ..... 5		Forestry 103 ..... 2	
Sanita & Plumb. 115 .... 1		Sanita. & Plumb. 116 .... 1		Elective ..... 5	
	15		15		15

## SENIOR

### (Design Option)

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Hist. Archt. 151 ..... 2		Hist. Archt. 152 ..... 2		Hist. Archt. 153 ..... 2	
Arch. Design 154 ..... 5		Arch. Design 155 ..... 5		Arch. Design 156 ..... 5	
Freehand Draw. 157 .... 2		Freehand Draw. 158.... 2		Freehand Draw. 159 .... 2	
Art. Apprec. 166 ..... 1		Art. Apprec. 167 ..... 1		Art. Apprec. 168 ..... 1	
Steam Eng. (M. E.) 82 ... 3		Heat. & Vent. (M. E.) 182 3		Pl. Survey (C. E.) 21 .... 3	
Elective ..... 2		Elective ..... 2		Elective ..... 2	
	15		15		15

## SENIOR

### (Architectural Engineering Option)

Frame Struc. (C. E.) 134. 3		Bridges (C. E.) 161 .... 5		Pl. Survey (C. E.) 21.... 3	
Steam Eng. (M. E.) 82.. 3		Elec. Course (E. E.) 11... 5		Thesis ..... 5	
Accus. Illum. (Phys.) 87 5		Heat. & Vent. (M. E.) 182. 3		Struc. Mat. (C. E.) 167.. 3	
Bus. Law (Law) 54 ..... 3		Bus. Law 55 ..... 3		Bus. Law 56 ..... 3	
Elective ..... 1		Elective ..... 1		Elective ..... 1	
	15		15		15

# FOR THE DEGREE OF BACHELOR OF FINE ARTS WITH A MAJOR IN PAINTING AND DESIGN

## FRESHMAN

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
P. D. (Freehand) 5..... 3		P. D. (Freehand) 6.... 3		P. H. (Freehand cast) 7... 3	
*P. D. (Art Struc.) 9.... 4		*P. D. (Art Struc.) 10.... 4		*P. D. (Art Struc.) 11... 4	
Art. Apprec. 10..... 1		Art. Apprec. 17 ..... 1		Art. Apprec. 18 ..... 1	
English Composition ..... 3		English Composition ..... 3		English Composition ..... 3	
Modern Language ..... 5		Modern Language ..... 5		Modern Language ..... 5	
Phys. Ed. or Mil. Sci... 2		Phys. Ed. or Mil. Sci... 2		Phys. Ed. or Mil. Sci... 2	
	18		18		18

\*The course in art structure comprise the following: Freshman, principles of design; sophomore, needle designing, woodblock printing, design; junior, pottery, interior decorating, posters; seniors, jewelry, landscape composition, design.

# COLLEGE OF FINE ARTS

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## SOPHOMORE

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
*P. H. (Art Struc.) 58 ... 4		*P. D. (Art Struc.) 54... 4		P. D. (Illustration) 58.... 3	
P. D. (Illustration) 56 ... 3		P. D. (Illustration) 57.... 3		Modern Language ..... 5	
Greek Art 9 ..... 1		Modern Language ..... 5		*P. D. (Art Struc.) 55.... 4	
Modern Language ..... 5		Greek Art 10 ..... 1		Greek Art 11 ..... 1	
Elective ..... 3		Elective ..... 3		Elective ..... 3	
Phys. Ed. or Mil. Sci... 2		Phys. Ed. or Mil. Sci... 2		Phys. Ed. or Mil. Sci... 2	
<u>18</u>		<u>18</u>		<u>18</u>	

## JUNIOR

Arch. 1 (Arch. Dr.) ... 3		Arch. 2 (Arch. Dr.) ... 2		Arch. 3 (Arch. Dr.) ..... 2	
*P. D. (Art Struc.) 103... 3		*P. D. (Art Struc.) 104... 3		P. D. (Portrait 109)... 3	
P. D. (Portrait) 107 ... 3		P. D. (Portrait) 108.... 3		Roman Art (Lat. 16) ... 1	
Roman Art (Lat. 14)... 1		Roman Art (Lat. 15)... 1		Laboratory Science ..... 5	
Political Science ..... 5		Laboratory Science ..... 5		Elective ..... 4	
<u>15</u>		<u>16</u>		<u>15</u>	

## SENIOR

*P. D. (Art Struc.) 157 .. 3		*P. D. (Art Struc.) 158.. 3		*P. D. (Art Struc.) 159.. 3	
P. D. (Life 160, or		P. D. (Life 161, or		P. D. (Life 162, or	
Mural Dec. 163) .... 3		Mural Dec. 164) ..... 3		Mural Dec. 165)..... 3	
Elective ..... 9		Elective ..... 9		Elective ..... 9	
<u>15</u>		<u>15</u>		<u>15</u>	

## FOR THE DEGREE OF BACHELOR OF FINE ARTS WITH A MAJOR IN PUBLIC SCHOOL DRAWING

### FRESHMAN

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
P. D. (freehand draw.) 5... 3		P. D. (freehand draw.) 6... 3		P. D. (freehand draw.) 7... 3	
P. D. (art struc.) 9..... 4		P. D. (art struc.) 9..... 4		P. D. (art struc.) 11.... 4	
Art Appreciation 18 ..... 1		Art Appreciation 17..... 1		Art Appreciation 18 ..... 1	
English Composition ..... 3		English Composition ..... 3		English Composition ..... 3	
Modern Language ..... 5		Modern Language ..... 5		Modern Language ..... 5	
Phys. Ed. or Mil. Sci.... 2		Phys. Ed. or Mil. Sci.... 2		Phys. Ed. or Mil. Sci.... 2	
<u>18</u>		<u>18</u>		<u>18</u>	

### SOPHOMORE

P. D. (art struc.) 53.... 4		P. D. (art struc.) 54..... 4		P. D. (art struc.) 55.... 4	
P. D. (illus.) 56 ..... 3		P. D. (illus.) 57 ..... 3		P. D. (illus.) 58..... 3	
Political Science ..... 5		Modern Language ..... 3		Psychology ..... 5	
Modern Language ..... 3		Phys. Ed. or Mil. Sci.... 2		Modern Language ..... 3	
Phys. Ed. or Mil. Sci.... 2		Elective ..... 5		Phys. Ed. or Mil. Sci.... 2	
<u>17</u>		<u>17</u>		<u>17</u>	

### JUNIOR

P. D. (art struc.) 103 .. 3		P. D. (art struc.) 104.... 3		P. D. (art struc.) 105 ... 3	
P. D. (illus.) 107 ..... 3		P. D. (illus.) 108 ..... 3		P. D. (illus.) 109..... 3	
Greek Art 8..... 1		Greek Art 9 ..... 1		Greek Art 10 ..... 1	
Education ..... 5		Education ..... 3		Education ..... 3	
Elective ..... 3		Laboratory Science ..... 5		Laboratory Science ..... 5	
<u>15</u>		<u>15</u>		<u>15</u>	

### SENIOR

P. D. (art struc.) 157 .... 3		P. D. (art struc.) 158 .... 3		P. D. (art struc.) 159.... 3	
*Education ..... 5		Education ..... 3		Philosophy ..... 5	
Elective ..... 4		Phys. Ed. 109 (folk danc.) 2		Elective ..... 8	
<u>15</u>		<u>15</u>		<u>16</u>	

\*Among the courses in Education, Practice Teaching must be included in the senior year.



FOR THE DEGREE OF BACHELOR OF FINE ARTS WITH A MAJOR IN  
INTERIOR DECORATION

FRESHMAN

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
P. S. D. (Freehand) 5....	3	P. S. D. (Freehand) 6 ...	3	P. S. D. (Freehand) 7 ..	3
P. S. D. (Art Struc.) 9 ..	4	P. S. D. (Art Struc.) 10 ..	4	P. S. D. (Art Struc.) 11.	4
P. S. D. (Art App.) 16 ..	1	P. S. D. (Art App.) 17 ..	1	P. S. D. (Art App.) 18 ..	1
English Composition .....	3	English Composition .....	3	English Composition .....	3
Modern Language .....	5	Modern Language .....	5	Modern Language .....	5
Phys. Ed. ....	2	Phys. Ed. ....	2	Phys. Ed. ....	2
	<hr/> 18		<hr/> 18		<hr/> 18

SOPHOMORE

P. S. D. (Hshld Des.) 59. 3	P. S. D. (Hshld. Des.) 60.. 3	P. S. D. (Hshld. Des.) 61.. 3
Arch. (History) 1 .....	Arch. (History) 2 .....	Arch. (History) 3 .....
Arch. (Mech. Dr.) 7 .....	Arch. (Shades & Shadows) 3	Arch. (Perspective) 9 .....
Modern Language .....	Modern Language .....	Home Ec. (Textiles) 25 ..
Electives .....	Electives .....	Electives .....
Phys. Ed. ....	Phys. Ed. ....	Phys. Ed. ....
	<hr/> 18	<hr/> 18

JUNIOR

P. S. D. (Int'or Decotn) 110 3	P. S. D. (Int. Dec.) 111.. 3	P. S. D. (Int. Dec.) 112.. 3
P. S. D. (Furn. Design) 113 2	P. S. D. (Furn. Desn.) 114 2	P. S. D. (Furn. Desn.) 115 2
Political Science .....	Laboratory Science .....	Laboratory Science .....
Electives .....	Electives .....	Electives .....
	<hr/> 15	<hr/> 15

SENIOR

P. S. D. (Int. Dec.) 172.. 5	P. S. D. (Int. Dec.) 173. 5	P. S. D. (Int. Dec.) 174. 5
Greek Art 8 or Roman Art 1	Greek Art 9 or Roman Art 1	Greek Art 10 or Roman Art 1
Fine or Lib. A. Elec. ... 6	Fine or Lib. A. Elec. .... 9	Fine or Lib. Art. Elec. .. 9
H. E. House Furn. 143 .. 3		
	<hr/> 15	<hr/> 15

FOR THE DEGREE OF BACHELOR OF FINE ARTS WITH A MAJOR IN  
MUSIC AND DRAWING

FRESHMAN

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Music 4 (hist of music) ...	2	Music 5 (hist. of music) .	2	Music 6 (hist. of music) .	2
Music 7 (slight singing) ...	2	Music 8 (slight singing) .	2	Music 9 (slight singing) .	2
P. D. 5 (drawing) .....	4	P. D. 6 (drawing) .....	4	P. D. 7 (drawing) .....	4
Modern Language .....	5	Modern Language .....	5	Modern Language .....	5
English Composition .....	3	English Composition .....	3	English Composition .....	3
Phys. Ed. or Mil. Sci. ...	2	Phys. Ed. or Mil. Sci. ...	2	Phys. Ed. or Mil. Sci. ...	2
	<hr/> 18		<hr/> 18		<hr/> 18

SOPHOMORE

Music 14 (ear tr. or elec.)	2	Music 15 (ear tr. or elec.)	2	Music 16 (ear tr. or elec.)	2
Music 54 (school music) ..	2	Music 55 (school music) ..	2	Music 56 (school music) .	2
Modern Language .....	5	Modern Language .....	5	Psychology .....	5
Political Science .....	5	Laboratory Science .....	5	Laboratory Science .....	5
P. D. 9 (art struc.) .....	3	P. D. 10 (art struc.) .....	3	P. D. 11 (art struc.) .....	3
Phys. Ed. or Mil. Sci. ...	2	Phys. Ed. or Mil. Sci. ...	2	Phys. Ed. or Mil. Sci. ...	2
	<hr/> 19		<hr/> 19		<hr/> 19

JUNIOR

Music 31 (ap. music) ....	1	Music 32 (ap. music) ....	1	Music 33 (ap. music) ....	1
Music 51 (harmony) .....	3	Music 52 (harmony) .....	3	Music 53 (harmony) .....	3
Music 113 (music ed.) .....	2	Music 114 (music ed.) .....	2	Music 115 (music ed.) .....	2
P. D. 53 (art struc.) .....	3	P. D. 54 (art struc.) .....	3	P. D. 55 (art struc.) .....	3
P. D. 16 (art apprec.) .....	1	P. D. 17 (art apprec.) .....	1	P. D. 18 (art apprec.) .....	1
P. D. 103 (pottery) .....	3	P. D. 104 (pottery) .....	3	Education .....	3
Education .....	5	Education .....	3	Elective .....	5
	<hr/> 18		<hr/> 19		<hr/> 18

# COLLEGE OF FINE ARTS

125

## SENIOR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Music 68 (ap. music) ....	2	Music 69 (ap. music) ....	2	Music 70 (ap. music) ....	2
Music 151 (music apprec.)..	2	Music 152 (music apprec.)..	2	Music 153 (music ap.) ...	2
Music 154 (music super)..	2	Music 155-6 (music super.)	2	Music 154 (music super)..	2
P. D. 153 (pub. school		P. D. 57 (illus. and life)..	3	P. D. 101 (pub. school	
drawing methods) .....	3	Education .....	3	drawing methods) .....	3
P. D. 56 (illus. and life)..	3	Elective .....	3	P. D. 58 (illus. and life). 3	
*Education .....	5			Elective .....	3
	17		15		15

## CURRICULUM IN ART LEADING TO CERTIFICATES OF PROFICIENCY FOR SUPERVISORS OF ART

### FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
P. D. (art struc.) 0 .....	4	P. D. (art struc.) 10.....	4	P. D. (art struc.) 11....	4
P. D. (freehand) 5.....	3	P. D. (freehand) 6 .....	3	P. D. (freehand cast) 7 ...	3
English Composition .....	3	English Composition .....	3	English Composition .....	3
Modern Language .....	5	Modern Language .....	5	Modern Language .....	5
Art Appreciation 16.....	1	Art Appreciation 17 .....	1	Art Appreciation 18 .....	1
	16		16		16

### SECOND YEAR

P. D. (art struc.) 53 ....	4	P. D. (art struc.) 54 ....	4	P. D. (art struc.) 55 ....	4
P. D. (freehand) 56 .....	3	P. D. (freehand) 57 .....	3	P. D. (freehand) 58 .....	3
Psychology .....	5	Education .....	5	Education .....	5
Methods of Teaching Art ..	3	Elective .....	3	Public School Draw. 101 .	3
	15		15	Elective .....	1
					16

## CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF ARTS IN DRAMATIC ART

### FRESHMAN

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Dramatic Art, elective ...	3	Dramatic Art, elective ...	3	Dramatic Art, elective ...	3
English Composition .....	3	English Composition .....	3	English Composition .....	3
Modern Language .....	5	Modern Language .....	5	Modern Language .....	5
Chem, Botany or Zool. ...	5	Chem., Botany or Zool. ...	5	Elective .....	5
Phys. Ed. or Mil. Sci.....	2	Phys. Ed. or Mil. Sci.....	2	Phys. Ed. or Mil. Sci.....	2
	18		18		18

### SOPHOMORE

Dramatic Art, elective ...	5	Dramatic Art, elective ...	5	Dramatic Art, elective ...	5
Political Science .....	5	Costume design .....	2	Costume design .....	2
Foreign Lang. or Elec. ...	5	Arch. 1-2-3 .....	2	Arch. 1-2-3 .....	2
Phys. Ed. or Mil. Sci.....	2	Phys. Ed. or Mil. Sci.....	2	Phys Ed. or Mil. Sci ...	2
	17	Foreign Lang. or Elec. ...	5	Foreign Lang. or Elec. ..	5
			16		16

### JUNIOR

Dramatic Art, elective ...	6	Dramatic Art, elective ...	6	Dramatic Art, elective ...	6
Psychology .....	5	Liberal Arts, elective ....	10	Liberal Arts, elective ....	10
Liberal Arts, elective ...	5				
	16		16		16

### SENIOR

Dramatic Art, elective ...	5	Dramatic Art, elective ...	5	Dramatic Art, elective ...	5
Liberal Arts, elective ....	10	Liberal Arts, elective ....	10	Liberal Arts, elective ....	10
	15		15		15

\*Among the courses in Education, Practice Teaching must be included in the senior year.

# THE COLLEGE OF FISHERIES

## THE FACULTY

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## 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. A model hatchery with feeding tanks and aquaria is located in the office building of the State Fish Commissioner in Seattle. This is open at all times for inspection. At Friday Harbor the University owns and operates an excellent marine biological laboratory. These many advantages present unrivaled opportunities for the studying of the fisheries, aquatic life and fish culture.

## REQUIREMENTS FOR ADMISSION

Full information regarding requirements for admission, registration, and expenses may be found on pages 40-50.

*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, B, or C. A graduate of any other institution of equal rank will be given full graduate standing. The selection of work for this degree must, in each case, be approved by the Director of the College.

## 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, 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 Fish and Game Commission, at Fourth avenue and University street, Seattle, a working aquarium is available for study purposes.

*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. 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, 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, providing 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 examination. 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.

## CURRICULA

## I. FISH CULTURE

## FRESHMEN

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Zoology 1.....	5	Zoology 2.....	5	Genl. Embryology (Zool. 5.)	5
Intro. to Fisheries 1.....	2	Intro. to Fisheries 2.....	2	Chemistry 3.....	5
Chemistry 1 or 21.....	5	Chemistry 2 or 22.....	5	Economics 1.....	5
English .....	3	English .....	3	Military Science.....	2
Military Science.....	2	Military Science.....	2		

## SOPHOMORE

Ichthyology 3.....	5	Ichthyology 4.....	5	Aquatic Botany 53.....	5
*Physics 47 or elective....	5	*Physics 48 or elective....	5	Ichthyology 5.....	5
Elective .....	5	Elective .....	5	Pacific Fisheries 6.....	2
Military Science.....	2	Military Science.....	2	Elective .....	3
				Military Science.....	2

## JUNIOR

Bacteriology 101.....	4	Bacteriology 102.....	4	Fish Culture 103.....	5
Fish Culture 101.....	5	Fish Culture 102.....	5	Fishery Methods 105.....	5
Plankton (Zool. 106).....	5	Fishery Methods 104.....	5	Elective .....	5
Elective .....	2	Elective .....	2		

## SENIOR

Culture Problems 107.....	5	Culture Problems 108.....	5	Culture Problems 109.....	5
Fish Diseases 117 .....	5	Electives .....	10	Elective .....	10
Elective .....	5				

## II. FISHERIES TECHNOLOGY

## FRESHMEN

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Zoology 1.....	5	Zoology 2.....	5	Economics 1.....	5
Intro to Fisheries 1.....	2	Intro to Fisheries 2.....	2	Chemistry 3.....	5
Chemistry 1 or 21.....	5	Chemistry 2 or 22.....	5	Electives .....	5
English .....	3	English .....	3	Military Science.....	2
Military Science.....	2	Military Science.....	2		

## SOPHOMORE

Organic Chem. 37.....	5	Org. Chemistry 38.....	5	Quantitative Chemistry 101.	4
Ichthyology 3.....	5	Ichthyology 4.....	5	Pacific Fisheries 6.....	2
*Physics 47 or elective....	5	Food Laws (Phar. 16).....	1	Ichthyology 5.....	5
Military Science.....	2	*Physics 48 or elective....	5	Elective .....	5
		Military Science.....	2	Military Science.....	2

## JUNIOR

Bacteriology 101.....	4	Bacteriology 102.....	4	Employment Management	
Bus. Administration 120...	3	Plant Management 195...	3	167 .....	3
Prep. Fishery Prod. 106...	5	Fishery Methods 104.....	5	Fishery Methods 105.....	5
Admiralty Law 165.....	3	Elective .....	3	Biology of the Seas (Zool.	
				108) .....	3
				Ec. Fish. Resources 115...	3

## SENIOR

Fishery Problems 110.....	5	Fishery Problems 111.....	5	Fishery Problems 112.....	5
M. Engineering 82.....	3	Electives .....	10	Electives .....	10
Electives .....	7				

While no regular fishing curriculum has been tabulated, students desiring it can, by means of electives given, easily arrange one. Courses in navigation, meteorology, oceanography and gas engineering are available, and these, in conjunction with either fish culture or fisheries technology curriculum, will amply answer the purpose.

## COURSES

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

\*If the student has taken one year of physics in high school he will substitute electives for Physics 47 and 48.

# COLLEGE OF FORESTRY

## THE FACULTY

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JOHN WILLIAM HOTSON, PH. D. (Harvard), Assistant Professor of Botany.  
DAVID CONNOLLY HALL, M. D. (Chicago), University Health Officer; Professor of Physical Education and Hygiene.  
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HON. MARK REED, Simpson Logging Co., Shelton.  
W. G. WEIGLE, Supervisor Snoqualmie National Forest, Seattle.

## PURPOSE AND LOCATION

The College of Forestry was established in 1907. It has exceptional advantages in its location. The university campus comprises 530 acres, 40 of which are in timber, and offer splendid opportunities for field work in silviculture and forest measurements. Other excellent 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.

*Short Courses for Forest Rangers and Lumbermen*.—These courses will be given during 1921, providing there are sufficient applicants. 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.

*Field Excursions*.—Much of the instruction in technical forestry is given in the field, necessitating frequent excursions in nearby forests, logging camps and sawmills. The expenses of these excursions never exceed \$10 for the freshman year, \$15 for the sophomore year, \$20 for the junior year, \$50 for the senior year, and usually are much less. (Other expenses see page 45.)

*Summer Work*.—Students of forestry are urged to spend their summer vacation in some line of practical work connected with the forest industry. Situated as the school is in the heart of a great lumbering section and near extensive national forests, ample opportunity is offered for summer employment. Students not only acquire valuable experience in this way, but earn a considerable portion of their university expenses.

*Forest Club*.—The Forest Club is an organization open to 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 men who are doing things worth while in these industries; to interest the public in the college and in the forestry and lumbering problems of the state.

Officers of the club for the year 1919-1920 are: President, Willis Corbitt; vice-president, Seldon Andrews; secretary-treasurer, Kenneth Pearce.

The club issues every May "The Forest Club Annual," a publication which contains articles and illustrations descriptive of the school, of scientific interest, and a complete roster of students, ex-students, and alumni. A special College of Forestry page is also published each month in the West Coast Lumberman.



## REQUIREMENTS FOR ADMISSION AND GRADUATION

*Admission.*—Full information regarding requirements for admission may be found on pages 40-45.

*Courses and Degrees.*—Beginning with September, 1914, the College of Forestry abandoned its fixed four-year groups of study, and has since then offered only one five-year course with a liberal allowance for electives. As technical forestry has reached a stage where some specialization is almost necessary, this arrangement gives the student ample opportunity for specialization along four distinct lines: (1) Forest service and state work, (2) logging engineering, (3) forest products and (4) the lumber business. *The course may, however, be pursued for only four years, and on the completion of four years of work the student will be awarded the degree of bachelor of science.* It should be emphasized that this arrangement will allow the student to receive practically as broad a training in four years as heretofore, but that if he desires to specialize he should pursue the work for five years.

*Undergraduate Work.*—For the degree of bachelor of science (B. S.) 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 students' class adviser, but in no case shall more than 23 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.*—For the degree of master of science in forestry (M. S. F.), the student in addition to being a graduate of this University or other institution of equal rank, and having a satisfactory knowledge of botany, geology, physics, chemistry, mathematics, surveying and languages, shall have been credited at this University with 225 credits, of which at least 78 are in technical forestry subjects, including silviculture, dendrology, wood technology, mensuration, management, lumbering, wood preservation, forest economics, and thesis. Only grades of A, B, and C can be counted toward a graduate degree.

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 should prove particularly attractive to 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. Emphasis is placed upon the fact that 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.

### OUTLINE FOR CURRICULUM

*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.

For specialization in Forest Management the following electives are recommended: Law 54, 55, 56 (Contracts); Botany 111; and Forestry and Lumbering 119, 120 (Administration).

For specialization in Logging Engineering: Civil Engineering 22 (Logging Railroads); Law 54, 55, 56 (Contracts); Electrical Engineering, 101, 102; and Forestry and Lumbering 185, 186, 187 (Logging Engineering) and 159 (Scientific Management).

For specialization in Forest Products: Chemistry 31, 32, 33; Botany 111 (Tree Diseases); and Forestry 183 (Milling), 184 (Marketing) and 159 (Scientific Management).

For specialization in the Business of Lumbering: Business Administration (Advertising); and Forestry 183, 184, and 159.

### 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

#### FRESHMAN

Autumn	Credits	Winter	Credits	Spring	Credits
For. 1 (Dend.)	5	Bot. 11	5	Bot. 12	5
For. 2 (Gen. For.)	3	For. 3	3	Math. 56	3
Math. 54 (Foresters)	3	Math. 55	3	For. 4 (Protection)	3
English	3	C. E. 1	3	C. E. 56	5
For. 5 (Woodcraft)	2	C. E. 55	2	Mil. Science	+2
Mil. Science	+2	Mil. Science	+2		
Required	16+2	Required	16+2	Required	16+2
Shop		Shop		Shop	

#### SOPHOMORE

For. 53 (Const.)	3	Chem. 2	5	For. 52 (Mensurat.)	5
For. 57 (Silvics)	3	For. 51 (Mensurat.)	5	For. 53 (Silvicult.)	5
Chem. 1	5	English	3	Geol. 5 (Forestry)	5
Econ. 1 (Gen.)	5	Elective	2	Mil. Science	+2
Mil. Science	+2	Mil. Science	+2		
Required	16+2	Required	15+2	Required	15+2

## UPPER DIVISION

Beginning with the Upper Division, the student should carefully consider the electives with reference to the specialty he intends to make his life work

## JUNIOR

<i>Autumn</i>	<i>Credits</i>	<i>Winter</i>	<i>Credits</i>	<i>Spring</i>	<i>Credits</i>
For. 101 (Technol.) ....	5	For. 158 (Utili.) .....	5	For. 105 (Preserva.) ..	5
Phys. 92 (For.) .....	5	Phys. 93 .....	5	Elective .....	5
M. E. (Steam Engines) ..	3	B. A. 12 (Accounting) ..	5	For. 104 (Tim. Tests) ..	5
B. A. 11 (Accounting) ..	5	Recreation .....			
Recreation .....					
Required .....	16	Required .....	15	Required .....	15

*Suggested Electives*

Chem. 31 (Organic) ....	5	Chem. 32 (Organic) ..	5	Chem. 32 (Organic) ..	5
Jour. 76 (Adver) ....	3	Jour. 77 (Adver) ....	3	Econ. 139 (Salesman) ..	3
C. E. 22 (Log. R. R.) ..	5	B. A. 55 (Bus. Law) ..	3	Journ. 78 (Adver) ....	3
B. A. 71 (Markets) ..	3			Bot. 111 (Pathology) ..	5
B. A. 54 (Bus. Law) ..	3			B. A. 56 (Bus. Law) ..	3

## SENIOR

For. 151 (Management) ..	5	Econ. 126 .....	3	All elective.	
For. 153 (Gen. Lumber) ..	5	For. 152 (Management) ..	3	Recreation .....	
Recreation .....		Recreation .....			

*Suggested Electives*

For. 185 (Log. Eng.) ..	4	For. 186 (Log. Eng.) ..	4	For. 187 (Log. Eng.) ..	16
For. 188 (Milling) ....	5	For. 184 (Marketing) ..	3	For. 188 (Adv. Prod.) ..	5
For. 119 (Admin) ....	3	For. 120 (Nat. Admin.) ..	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. 202 (Thesis) ....	3	For. 202 (Thesis) ....	3	For. 202 (Thesis) ....	3
For. 201 (Adv. Dend.) ..	3	For. 209 (Seminar) ..	2	For. 222 (Adv. Prod.) ..	5
For. 208 (Seminar) ....	2	For. 221 (Hist) .....	2	For. 223 (Adv. Manage) ..	8
Elective .....	8	Elective .....	10	For. 224 (Adv. Milling and Marketing) .....	8

## COURSES

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

## SCHOOL OF LAW

### THE FACULTY

HENRY SUZZALLO, PH. D. (Columbia), LL. D. (California), PRESIDENT.  
JOHN THOMAS CONDON, LL. M. (Northwestern), Professor of Law, DEAN.  
HARVEY LANTZ, 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 AYER, 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 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 96,644 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 for one 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 ten dollars (\$10) per quarter is charged in the Law School, payable at the beginning of each quarter.

A diploma fee of five dollars (\$5) is charged all students to whom diplomas are issued. (Other expenses see page 45.)

*Self-Help for Students.*—The needs of a large city afford ample opportunity to the student for employment. The law courses are offered almost entirely in the forenoons, leaving the afternoons or evenings for employment. The University also offers employment for a smaller number of students. Many students earn a portion of their expenses while in the University, and a number earn their entire way. An employment bureau makes systematic efforts to obtain positions for students desiring work.

*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.

*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 Entrance Information, page 43) will be admitted to take such work in law as their previous preparation 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 Arts 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 will be granted upon the completion of both courses.

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 Arts by the end of the third year, so they can enter the law work clear in the fourth year.

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 this 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, except that in the 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), **DEAN OF FACULTIES.**  
MILNOR ROBERTS, A. B. (Stanford), Professor of Mining Engineering and Metallurgy; **DEAN.**  
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HEWITT WILSON, CER. E. (Ohio State University) 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. SCHONING, Foreman Miner in charge of Mine Rescue Training, U. S. Bureau of Mines, Mine Safety Station.  
BYRON M. BIRD, B. S. (Washington), Assistant in charge of Ore Dressing Laboratory  
LEVI J. MERRILL, Assistant in Metallurgy.  
OSCAR A. GLAESER, Assistant in Mining.  
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FRED HARVEY HEATH, PH. D. (Yale), Assistant Professor of Chemistry.  
SAMUEL THOMAS BEATTIE, Instructor in Woodwork.  
SANDY MORROW KANE, Instructor in Metal Work.  
CHRIS. G. DOBSON, E. M. (Montana State School of Mines), Acting Instructor in Civil Engineering.

### ADVISORY BOARD COLLEGE OF MINES

#### UNIVERSITY OF WASHINGTON

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JOHN ERIKSON, mine operator, Erikson Building, Seattle.  
J. T. HEFFERNAN, president of the Heffernan Engine Works, mine operator, 108 Railroad Avenue South, Seattle.  
CHARLES HUSSEY, general manager of estate of John A. Finch, mine operator, Empire State Building, Spokane.  
W. R. RUST, founder of the Tacoma Smelter, president of Tacoma Exploration Company, Box 1454, Tacoma.  
NATHANIEL D. MOORE, General Manager of Pacific Coast Coal Company, Seattle.

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<sup>2</sup>Absent on leave, 1920-1921.

## 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 Mine E.)
- V. Bachelor of science in ceramics, B. S. (Ceramics)

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 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-metallurgical work.

*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 \$900 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, metallurgy or ceramics, unless an equivalent degree has previously been earned.

*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.

#### UNITED STATES BUREAU OF MINES SEATTLE MINING EXPERIMENT STATION

The United States Bureau of Mines maintains a mining and metallurgical experiment station for the Pacific Northwest and the coast regions of Alaska at the College of Mines. 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 electro-metallurgy, 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.

*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 Pittsburg 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.

### REQUIREMENTS FOR ADMISSION

Full information regarding requirements for admission, registration, and expenses may be found on pages 40-50.

### CURRICULA OF THE COLLEGE OF MINES

#### FIRST AND SECOND YEAR FOR ALL CURRICULA

FRESHMAN					
Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Math. 51 (algebra) .....	3	Math. 52 (trig.) .....	3	Math. 53 (analytics) ....	3
C. E. 1 (drawing) .....	3	C. E. 2 (drawing) .....	3	C. E. 13 (engr. problems) .	3
C. E. 2 (engr. problems) ..	3	C. E. 11 (engr. problems) .	3	C. E. 21 (surveying) ....	3
Chem. 1 or 21 (general) ..	5	Chem. 2 or 22 (general) .	5	Chem. 3 or 23 (general) .	5
M. E. 53 (shop) .....	1	Min. 20 (timbering) .....	1	Min. 21 (timber framing) ..	1
Mil. Sci. ....	2	Mil. Sci. ....	2	Mil. Sci. ....	2
	17		17		17
SOPHOMORE					
Math 61 (calculus) .....	3	Math 62 (calculus) .....	3	*Eng. 4 (comp. for engr.)	3
Physics 97 (engr.) .....	5	Phys. 98 (engr.) .....	5	Phys. 99 (engr.) .....	5
Geol. 5 (engr.) .....	5	Geol. 21 (mineralogy) ....	5	Geol. 120 (petrology) ....	3
Min. 51 (elements) .....	3	C. E. 27 (min. surv.) ....	3	Chem. 111 (quant.) .....	4
Mil. Sci. ....	2	Mil. Sci. ....	2	Mil. Sci. ....	2
	18		18		17

†Mining practice in summer vacations.

### MINING ENGINEERING (OPTION I)

JUNIOR					
Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
C. E. 131 (mechanics) ....	3	C. E. 132 (mechanics) ...	3	Geol. 122 (field methods) ..	2
Geol. 123 (opt. miner.) ....	3	E. E. 99-100 (D. C.) ..	5	E. E. 121-122 (A. C.) ....	5
Min. 101 (milling) .....	3	Geol. 124 (petrography) .	4	Met. 102 (general) .....	5
Met. 101 (fire assay) ....	5	Min. 103 (rescue) .....	1	M. E. 55 (shop) .....	1
M. E. 54 (shop) .....	1	Met. 153 (wet assay) ....	3	Elective .....	3
	15		16		16
SENIOR					
Min. 151 (mining) .....	5	Min. 154 (thesis) .....	2	Min. 152 (ore dressing) ...	5
Min. 153 (thesis) .....	1	Min. 156 (law) .....	2	Min. 155 (thesis) .....	2
Met. 104 (copper-lead) ....	4	Min. 162 (methods) .....	3	Min. 182 (management) .	3
Met. 155 (iron-steel) ....	3	Geol. 127 (economic) ....	5	C. E. 142 (hydraulics) ....	5
Met. 162 (metallurg) .....	2	Elective .....	3		
	15		15		15

\*Ceramic students substitute Cer. 90 (materials), 3 credits in sophomore year for Eng. 4.

†Mining, metallurgical, or ceramic practice is required of all students during a summer vacation following the sophomore or junior year.

## GEOLOGY AND MINING (OPTION II)

## JUNIOR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
C. E. 131 (mechanics) ....	3	C. E. 132 (mechanics) ....	3	Geol. 122 (field methods) .	2
Geol. 123 (opt. miner.) ...	3	Geol. 124 (petrography) ..	4	Geol. 125 (adv. petrog.) .	2
Min. 101 (milling) ....	3	Min. 103 (rescue) ....	1	Min. 120 (coal resources) .	3
Met. 101 (fire assay) ....	5	Met. 103 (fuels) ....	3	Met. 102 (general) ....	5
M. E. 54 (shop) ....	1	Met. 153 (wet assay) ....	3	M. E. 55 (shop) ....	1
				Elective .....	3
	15		14		16
				Min. 106 (spring-excursion)	3

## SENIOR

Min. 151 (mining) ....	6	Min. 154 (thesis) ....	2	Min. 152 (ore dressing)...	5
Min. 153 (thesis) ....	1	Min. 158 (law) ....	2	Met. 155 (thesis) ....	2
Met. 104 (copper-lead) ..	4	Min. 162 (methods) ....	3	Geol. 132 (paleo.) ....	3
Met. 162 (metalog.) ....	2	Geol. 127 (economic) ....	5	Elective .....	5
Geol. 126 (economic) ....	3	Geol. 131 (paleo.).....	3		
	15		15		15

## METALLURGY (OPTION III)

## JUNIOR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
C. E. 131 (mechanics) ....	3	C. E. 132 (mechanics) ....	3	E. E. 121-122 (A. C.) ...	5
Min. 101 (milling) ....	3	E. E. 99-100 (D. C.) ....	5	Met. 102 (general) ....	5
Met. 101 (fire assay) ....	5	Min. 103 (rescue) ....	1	Met. 151 (gold-silver)...	3
M. E. 54 (shop) ....	1	Met. 103 (fuels) ....	3	Met. 160 (analysis) ....	2
Elective .....	3	Met. 153 (wet assay) ....	3	M. E. 55 (shop) ....	1
	15		15		16
				Min. 106 (spring excursion)	3

## SENIOR

Min. 151 (mining) ....	5	Min. 154 (thesis) ....	2	Min. 152 (ore dressing)---	5
Min. 153 (thesis) ....	1	Met. 163 (metalog.) ....	2	Min. 155 (thesis) ....	2
Met. 104 (copper-lead) ..	4	Met. 165 (calculations)...	2	Met. 166 (electro-met) ...	3
Met. 155 (iron-steel) ....	3	Geol. 127 (economic) ....	5	C. E. 142 (hydraulics) ...	5
Met. 162 (metalog.) ....	2	Elective .....	4		
	15		15		15

## COAL MINING (OPTION IV)

## JUNIOR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
C. E. 131 (mechanics) ....	3	C. E. 132 (mechanics) ....	3	E. E. 121-122 (A. C.) ..	5
Min. 101 (milling) ....	3	E. E. 99-100 (D. C.) ....	5	Min. 120 (coal resources)	3
M. E. 61 (mechanism) ....	3	Min. 103 (rescue) ....	1	Met. 102 (general) ....	5
M. E. 82 (steam eng.) ....	3	Min. 122 (coal mining) ..	3	M. E. 55 (shop) ....	1
M. E. 83 (steam, eng. lab)	3	Met. 103 (fuels) ....	3	Elective .....	2
M. E. 54 (shop).....	1				
	16		15		16
				Min. 106 (spring excursion)	3

## SENIOR

Min. 151 (mining) ....	5	Min. 154 (thesis) ....	2	Min. 155 (thesis) ....	2
Min. 153 (thesis) ....	1	Min. 171 (gases) ....	3	Min. 172 (plant) ....	3
Min. 170 (min. mach.) ...	3	Min. 176 (preparation) ..	5	Min. 178 (preparation	2
Met. 155 (iron-steel) ....	3	Elective .....	5	mach.) .....	3
Elective .....	3			Min. 182 (management) ...	2
	15		15	C. E. 142 (hydraulics) ...	5

## CERAMICS (OPTION V)

## JUNIOR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
C. E. 131 (mechanics) ...	3	C. E. 132 (mechanics) ...	3	Eng. 5 (comp. for engrs) ..	3
M. E. 81 (mechanism) ....	3	Met. 153 (wet assay) ....	3	Met. 102 (general) ....	5
Chem. 181 (phys. chem.) ..	3	Chem. 182 (phys. chem.) .	3	Cer. 102 (decoration) ....	3
Cer. 100 (product) ....	3	Cer. 101 (drying, burning)	3	Cer. 110 (measurement) .	4
Cer. 104 (calculations) ..	3	Cer. 105 (calculations) ..	3	M. E. 55 (shop) ....	1
M. E. 54 (shop) ....	1				
	<hr/> 16				<hr/> 16

## SENIOR

Cer. 120 (bodies) ....	5	Cer. 121 (bodies, glazes) .	5	Cer. 122 (bodies, glazes)	5
Cer. 125 (design) ....	3	Cer. 126 (design) ....	3	Cer. 127 (design) ....	3
Cer. 130 (thesis) ....	2	Cer. 131 (thesis) ....	3	Cer. 132 (thesis) ....	3
Elective .....	5	Met. 103 (fuels) ....	3	Elective .....	4
		Min. 103 (rescue) ....	1		
	<hr/> 15		<hr/> 15		<hr/> 15

## COURSES

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

## WINTER SESSION FOR MINING MEN

The twenty-fifth annual short session for mining men will open January 5, 1921, and continue until March 25. 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.

Three general groups of studies are offered: (1) quartz mining; (2) placer mining; (3) coal mining.

For more detailed information apply to the Dean of the College of Mines, Seattle, Washington.

## COLLEGE OF PHARMACY

### THE FACULTY

HENRY SUZZALLO, PH. D. (Columbia), LL. D. (California), PRESIDENT.

JOHN THOMAS CONDON, LL. M. (Northwestern), DEAN OF FACULTIES.

CHARLES WILLIS JOHNSON, PH. C., PH. D. (Michigan), Professor of Pharmaceutical Chemistry; DEAN AND STATE CHEMIST.

ARTHUR WILSON LINTON, B. S. (Michigan), M. S. (Washington), Associate Professor of Pharmacy.

----- Instructor in Pharmacy and Assistant State Chemist and Bacteriologist.

FOREST J. GOODEICH, PH. C., M. S. (Washington), Instructor in Pharmacy.

CORNELIUS OSSEWARD, PH. G. (Columbia), PH. C. (Northwestern), Lecturer on Commercial Pharmacy.

MARIA Y. OROSA, PH. C. (Washington), Assistant State Chemist.

JAMES THOMPSON, B. S. (Minnesota), Specialist U. S. Bureau of Plant Industry.

ROBIN JEAN WILKES, PH. C. (Washington), Graduate Assistant in Pharmacy.

-----

HENRY K. BENSON, PH. D. (Columbia), Professor of Chemistry.

FREDERICK MORGAN PADELFORD, PH. D. (Yale), Professor of English.

FREDERICK ARTHUR OSBORN, PH. D. (Michigan), Professor of Physics.

PIERRE JOSEPH FRMIN, PH. D. (John Hopkins), Professor of French.

THEODORE CHRISTIAN FRYE, PH. D. (Chicago), Professor of Botany.

ROBERT EDQUARD MORITZ, PH. D. (Strassburg), Professor of Mathematics.

LESLIE J. AYER, J. D. (Chicago), Professor of Law.

ERNST OTTO ECKELMAN, PH. D. (Heldelberg), Assistant Professor of German.

JOHN WEINZIRL, PH. D. (Wisconsin), Professor of Bacteriology.

WILLIAM MORRIS DEHN, PH. D. (Illinois), Professor of Chemistry.

ELI VICTOR SMITH, PH. D. (Northwestern), Assistant Professor of Zoology.

GEORGE BURTON RIGG, PH. D. (Chicago), Assistant Professor of Botany.

## COLLEGE OF PHARMACY

The College of Pharmacy was organized in 1894 for the purpose of offering an opportunity to young men and women to become well trained practical pharmacists. The work of the two year course as first organized has been extended to three, four and five year courses. In the two and three year courses a 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 Washington.*—To become a registered pharmacist, one must be twenty-one years of age and must be a graduate of at least a two year course in a college of pharmacy recognized by the Washington State Board of Pharmacy. This board recognizes such colleges as hold membership in the American Conference of Pharmaceutical Faculties and such foreign colleges as meet the requirements of the conference.

Graduates of the two-year course of the College of Pharmacy are admitted as registered pharmacists without examination, providing they have had two years of practical experience, and of the three year course providing they have had one and one-half years of practical experience.

Graduates of the four-year course of the College of Pharmacy are admitted as registered pharmacists without examination, providing they have had one year of practical experience.

Graduates of any course of the College of Pharmacy who have not had practical experience are admitted without examination as assistant registered pharmacists and serve as such until they have received the required practical experience for full registration.

Assistant registered pharmacists may work under the direction of a registered pharmacist and may take charge of a store only during his temporary absence.

*Higher Standard in Pharmacy.*—Never have opportunities in pharmaceutical vocations been so great as at the present time. Rapid advances are being made in educational requirements to practice pharmacy. Many states now require graduation from a college of pharmacy as a prerequisite to become a registered pharmacist. In the Northwest, the states of Montana, Oregon and Washington now have the educational requirement. The National Association of Boards of Pharmacy at its 1915 meeting recommended that in 1920 all state boards holding membership in the organization should require graduation as a prerequisite for registering pharmacists. This advance in the requirements for the practice of pharmacy is certain to make the profession more attractive.

*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 between 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.*—For several years the College of Pharmacy has maintained on the campus a garden in which plants of pharmaceutical importance have been cultivated. The area and scope of this garden have been gradually extended, until the college now has a very complete collection of medicinal plants which furnishes valuable material for classes in botany, materia medica and drug assay.

The Bureau of Plant Industry of the United States Department of Agriculture has, for some time, taken an active interest in the garden and has rendered valuable assistance in its maintenance. A specialist, in medicinal plant cultivation from the Bureau of Plant Industry, is permanently stationed at the University and in cooperation with one of the pharmacy staff is in charge of the drug garden work.

*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.

*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. The graduate 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 pharmacy. These allied subjects are: Theory and practice of pharmacy, manufacturing pharmacy, drug assaying, pharmaceutical botany, study of the United States Pharmacopœia 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 limited. Students with high school training are urged to consider these 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.

*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.

*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 1919-1920 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.

#### REQUIREMENTS FOR ADMISSION

1. ADMISSION TO THE TWO-YEAR COURSE LEADING TO THE DEGREE OF GRADUATE IN PHARMACY, AND THE THREE-YEAR COURSE LEADING TO THE DEGREE OF PHARMACEUTICAL CHEMIST.

For admission to either of these courses, no subjects are prescribed beyond the general requirements for freshman standing in the University. (See page 41.)

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 graduate in pharmacy (Ph. G.) will be conferred upon any student who has fulfilled the requirements for entrance to the two-year course and has completed the two-year course as outlined.

2. 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.

3. 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.

4. 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.

### CURRICULA REQUIRED FOR GRADUATION

1. A two-year course which prepares its graduates for responsible positions as practical pharmacists.

2. A three-year course which includes the work of the two-year course and in addition offers opportunity for training in commercial pharmacy, business law, advertising, accounting, advanced work in scientific pharmacy, bacteriology and chemistry.

3. 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.

4. A four-year combined scientific and business course which includes the regular pharmacy work of the two-year course together with advanced training in pharmacy, and courses in the College of

Business Administration and Schools of Journalism and Law which will insure the student a thorough business 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.

5. 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 GRADUATE IN PHARMACY. (Two-Year Course).

### FRESHMAN YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Phar. 1 (Manufacturing)...	5	Phar. 2 (Manufacturing)...	5	Phar. 3 (Commercial).....	2
Chem. 1 (General).....	5	Chem. 9 (General).....	5	Chem. 10 (Qualitative)....	4
Zool. 7 (Physiology).....	5	Bot. 13 (General).....	5	Bot. 14 (Microscopy).....	4
				Phar. 4 (Materia Medica)...	5
				Phar. 15 (Field Materia Medica) .....	1

### SOPHOMORE YEAR

Phar. 5 (Drug Assay)....	5	Phar. 6 (Drug Assay)....	5	Phar. 7 (Urinalysis).....	8
Chem. 37 (Organic).....	5	Chem. 38 (Organic).....	5	Bacteriology 5 .....	4
Phar. 9 (Prescriptions)...	2	Phar. 10 (Prescriptions)...	2	Phar. 14 (Toxicology).....	2
Phar. 12 (Therapeutics) ..	3	Phar. 8 (U. S. Pharm.)....	2	Phar. 11 (Prescriptions)...	2
		Phar. 13 (Therapeutics)...	2	Chem. 39 (Organic).....	5

Two years of Military Training (12 credits) are required of men.  
One year of Physical Education (6 credits) is required of women.

## 2. WITH DEGREE OF PHARMACEUTICAL CHEMIST. (Three-Year Course).

### FRESHMAN YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Phar. 1 (Manufacturing)...	5	Phar. 2 (Manufacturing)...	5	Phar. 3 (Commercial).....	2
Chem. 1 (General).....	5	Chem. 2 (General).....	5	Chem. 10 (Qualitative)....	4
Zoo. 7 (Physiology).....	5	Bot. 13 (General).....	5	Bot. 14 (Microscopy).....	4
				Phar. 4 (Materia Medica)...	5
				Phar. 15 (Field Materia Medica) .....	1

### SOPHOMORE YEAR

Phar. 5 (Drug Assay)....	5	Phar. 6 (Drug Assay)....	5	Phar. 7 (Urinalysis)...	8
Chem. 37 (Organic).....	5	Chem. 38 (Organic).....	5	Bacteriology 5 .....	4
Phar. 9 (Prescriptions)...	2	Phar. 8 (U. S. Pharm.)...	2	Phar. 14 (Toxicology).....	2
Phar. 12 (Therapeutics)...	3	Phar. 10 (Prescriptions)...	2	Phar. 11 (Prescriptions)...	2
		Phar. 13 (Therapeutics)...	2	Chem. 39 (Organic).....	5

### JUNIOR YEAR

Pharmacy .....	5	Pharmacy .....	5	Pharmacy .....	5
Elective .....	5	Elective .....	5	Elective .....	5
Elective .....	5	Elective .....	5	Elective .....	5

In addition to the work required in the two-year course, the student must complete 15 hours credit in pharmacy and electives sufficient to make 135 hours credit. Students expecting to go into commercial work are urged to elect courses in psychology, economics, business law, advertising and accounting. This work will apply on the four-year combined business and scientific course. Students expecting to enter a scientific field of work are expected to elect courses that will apply on the four-year scientific course. Two years of Military Training or Physical Education (12 credits) must be taken by the student.

# COLLEGE OF PHARMACY

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## 3. WITH DEGREE OF BACHELOR OF SCIENCE. (Four-Year Scientific Course).

### FRESHMAN YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Phar. 1 (Manufacturing)...	5	Phar. 2 (Manufacturing)...	5	Phar. 3 (Commercial)....	2
Chem. 1 (General).....	5	Chem. 2 (General).....	5	Chem. 10 (Qualitative)....	4
Zoo. 7 (Physiology).....	5	Bot. 13 (General).....	5	Bot. 14 (Microscopy)....	4
				Phar. 4 (Materia Medica)...	5
				Phar. 15 (Field Materia Medica) .....	1

### SOPHOMORE YEAR

Phar. 5 (Drug Assay).....	5	Phar. 6 (Drug Assay).....	5	Phar. 7 (Urinalysis)....	2
Chem. 37 (Organic).....	5	Chem. 38 (Organic).....	5	Bacteriology 5 .....	4
Language .....	5	Language .....	5	Chem. 39 (Organic).....	5
				Language .....	5

### JUNIOR YEAR

Phar. 9 (Prescriptions)....	2	Phar. 13 (Therapeutics)...	2	Phar. 11 (Prescriptions)...	2
Phar. 12 (Therapeutics)...	3	Phar. 8 (U. S. Pharm.)..	2	Phar. 14 (Toxicology)....	2
Language .....	5	Phar. 10 (Prescriptions)...	2	English 1 .....	3
Science .....	5	Language .....	5	Elective .....	3
		Science .....	5	Science .....	5

### SENIOR YEAR

Math. 4 (Trigonometry)....	5	Physics .....	5	Physics .....	5
Science .....	5	Science .....	5		
English 2 .....	3	Elective .....			
Elective .....					

The student is required to take 25 hours of one modern foreign language or 30 hours (15 each) if two languages are taken.

The elective work in science may be varied so as to prepare students for: (a) Entrance to colleges of medicine; (b) manufacturing pharmacists and chemists; (c) food and drug chemists; (d) bacteriologists; or (e) physiological chemists.

A total of 180 hours plus two years of military training or physical education (12 credits) are required for graduation.

## 4. WITH DEGREE OF BACHELOR OF SCIENCE. (Four-Year Combined Scientific and Business Course).

### FRESHMAN YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Phar. 1 (Manufacturing)...	5	Phar. 2 (Manufacturing)...	5	Phar. 3 (Commercial)....	2
Chem. 8 (General).....	5	Chem. 9 (General).....	5	Chem. 10 (Qualitative)....	4
Zool. 7 (Physiology).....	5	Bot. 13 (General).....	5	Bot. 14 (Microscopy)....	4
				Phar. 4 (Materia Medica)...	5
				Phar. 15 (Field Mat. Med.)	1

### SOPHOMORE YEAR

Phar. 5 (Drug Assay).....	5	Phar. 6 (Drug Assay).....	5	Phar. 7 (Urinalysis)....	3
Chem. 37 (Organic).....	5	Chem. 38 (Organic).....	5	Bacteriology 5 .....	4
Psychology 1.....	5	English 1 .....	3	Chem. 39 (Organic).....	5
		Economics 1 .....	3	English 2 .....	3

### JUNIOR YEAR

Phar. 9 (Prescriptions)....	2	Phar. 8 (U. S. Pharm.)...	2	Phar. 11 (Prescriptions)...	2
Phar. 12 (Therapeutics)...	3	Phar. 10 (Prescriptions)...	2	Phar. 14 (Toxicology)....	2
Law 54 (Business).....	3	Phar. 13 (Therapeutics)...	2	Law 56 (Business).....	3
Bus. 11 (Accounting).....	3	Law 55 (Business).....	3	Bus. 13 (Accounting).....	3
Bus. 71 (Evol. of Market)...	3	Bus. 12 (Accounting).....	3	Bus. 73 (Sales Mgmt.)...	3
		Bus. 10 (Bus. Principles)...	3	Elective .....	2

### SENIOR YEAR

Pharmacy .....	5	Pharmacy .....	5	Pharmacy .....	5
Bus. 76 (Advertising)....	3	Bus. 77 (Advertising)....	3	Bus. 78 (Advertising)....	3
Bus. 105 (Indus. Mgmt.)...	3	Bus. 89 (Office Mgmt.)...	3	Bus. 101 (Bus. Mgmt.)...	3
Elective .....		Elective .....		Elective .....	

A total of 180 hours plus two years of military training or physical education (12 credits) are required for graduation.

5. 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.

#### COURSES

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

## GRADUATE SCHOOL

### THE FACULTY

- HENRY SUZZALLO, PH. D. (Columbia), LL. D. (California), PRESIDENT.
- JOHN THOMAS CONDON, LL. M. (Northwestern), DEAN OF FACULTIES.
- FREDERICK MORGAN PADELFORD, PH. D. (Yale), Professor of English; DEAN.
- HENRY LANDES, A. M. (Harvard), Professor of Geology and Mineralogy; Dean of the College of Science.
- EDMOND STEPHEN MEANT, M. L. (Wisconsin), Professor of History.
- J. ALLEN SMITH, PH. D. (Michigan), Professor of Political Science.
- CAROLINE HAVEN ODER, Professor of Spanish.
- TREVOR KINCAID, A. M. (Washington), Professor of Zoology.
- MILNOR ROBERTS, A. B. (Stanford), Professor of Mining Engineering and Metallurgy; Dean of the College of Mines.
- FREDERICK ARTHUR OSBORN, PH. D. (Michigan), Professor of Physics; Director of Physical Laboratories.
- WILLIAM SAVERY, PH. D. (Harvard), Professor of Philosophy.
- 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.
- PIERRE JOSEPH FREIN, PH. D. (Johns Hopkins), Professor of French.
- THEODORE CHRISTIAN FRYE, PH. D. (Chicago), Professor of Botany.
- ROBERT EDOUARD MORITZ, PH. D. (Nebraska), PH. N. D. (Strassburg), Professor of Mathematics.
- CARL EDWARD MAGNUSSON, E. E. (Minnesota), PH. D. (Wisconsin), Professor of Electrical Engineering; Acting Dean of the College of Engineering.
- EVERETT OWEN EASTWOOD, C. E., M. A. (Virginia), S. B. (Massachusetts Institute of Technology), Professor of Mechanical Engineering.
- 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. (Heidelberg), 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), Professor of Bacteriology.
- 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 College of Education.
- EDWIN JOHN VICKNER, PH. D. (Minnesota), Professor of Scandinavian Languages.
- EFFIE ISABEL RAITT, B. S. (Columbia), Professor of Home Economics.
- WILLIAM FRANKLIN ALLISON, B. S., C. E. (Cornell), Professor of Municipal and Highway Engineering.
- STEVENSON SMITH, PH. D. (Pennsylvania), Professor of Psychology.
- ALLEN ROGERS BENHAM, PH. D. (Yale), Professor of English.
- STEPHEN IVAN MILLER, JR., A. B. (Stanford), LL. B. (Michigan), Professor of Economics; Dean of the College of Business Administration.
- RICHARD FREDERICK SCHOLZ, PH. D. (Wisconsin), Professor of Ancient History.



- FRED CARLETON AYER, PH. D., (Chicago), Professor of Education.
- WILLIAM MAURICE DEHN, PH. D. (Illinois), Professor of Chemistry.
- HOWARD WOOLSTON, PH. D., (Columbia), Professor of Sociology.
- 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.
- SAMUEL LATTIMER BOOTHROYD, M. S. (Colorado Agricultural College), Associate Professor of Astronomy.
- BURT PERSONS KIRKLAND, A. B. (Cornell), Associate Professor of Forestry.
- THOMAS KAY SIDEX, 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.
- GEORGE WALLACE UMPHREY, PH. D. (Harvard), Associate Professor of Spanish.
- OTTO PATZER, PH. D., (Wisconsin), Associate Professor of French.
- CHARLES WILLIAM HARRIS, C. R. (Cornell), Associate Professor of Civil Engineering.
- VANDEVEVER 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.
- THOMAS TALBOT WATERMAN, PH. D. (Columbia), Associate Professor of Anthropology.
- HENRY LOUIS BRAKEL, PH. D. (Cornell), Associate Professor of Engineering Physics.
- GEORGE BURTON RIGG, PH. D., (Chicago), Associate Professor of Botany.
- CLIFFORD WOODY, PH. D. (Columbia), Associate Professor of Education.
- ARTHUR MELVIN WINSLOW, PH. B. (Brown), B. S. (Massachusetts Institute of Technology), Associate Professor of Mechanical Engineering.
- EDWIN JAMES SAUNDERS, A. M. (Harvard), Assistant Professor of Geology.
- ELIAS TREAT CLARK, M. F. (Yale), Assistant Professor of Forestry.
- ELI VICTOR SMITH, PH. D. (Northwestern), Assistant Professor of Zoology.
- CLARENCE RAYMOND COREY, E. M. (Montana State School of Mines), A. M. (Columbia), Assistant Professor of Mining Engineering and Metallurgy.
- ERNST OTTO ECKELMAN, PH. D. (Heidelberg), 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.
- FRIEDRICH KURT KIRSTEN, B. S. (E. E.) (Washington), Assistant Professor of Electrical Engineering.
- MACY M. SKINNER, PH. D., (Harvard), Assistant Professor of Business Administration.
- CURT JOHN DUCASSE, PH. D. (Harvard), Assistant Professor of Philosophy.
- ERIC TEMPLE BELL, PH. D. (Columbia), Assistant Professor of Mathematics.
- BROD LEONARD GRONDAL, M. S. F. (Washington), Assistant Professor of Forestry.
- FRED H. HEATH, PH. D. (Yale), Assistant Professor of Chemistry.
- VICTOR L. O. CHITTICK, PH. D. (Columbia), Assistant Professor of English.
- LESLIE FOREST CURTIS, B. E. (Tufts), Assistant Professor of Electrical Engineering.
- EDWIN RAY GUTHRIE, PH. D. (Pennsylvania), Acting Assistant Professor of Psychology.
- HEWITT WILSON, Cert. Eng'r. (Ohio State University), Assistant Professor of Ceramics.
- ROY MARTIN WINGER, PH. D. (Johns Hopkins), Assistant Professor of Mathematics.
- NATHAN FASTEN, PH. D. (Wisconsin), Assistant Professor of Zoology.
- RALPH MASON BLAKE, PH. D. (Harvard) Instructor in Philosophy.

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GRADUATE COUNCIL: DEAN PADLIFORD, Chairman; DEANS CONDON, THOMSON AND ROBERTS;  
PROFESSORS OSBORN, FRYE, MORITZ, MAGNUSSON, DEHN, SCHOLZ, WOOLSTON, CUSTIS,  
WOODY, FASTEN.

## 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, including fellows, associates, and assistants, are required to pay a tuition of \$10 per quarter.

## GRADUATE FELLOWSHIPS AND SCHOLARSHIPS

Full description regarding fellowships and scholarships may be found on page 51.

## ADMISSION AND DEGREES

Three classes of students are recognized in the Graduate School:

1. Candidates for the master's degree.
2. Candidate 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. If the student is from a college or university which falls below a satisfactory standard in the character of its curriculum, the efficiency of its instruction, its equipment, and its requirement for graduation, he must take such undergraduate courses as may be specified before making application for an advanced degree.

Any graduate student who expects to become a candidate for a degree must file an outline of his proposed work with the Dean of the Graduate School, on a blank provided for the purpose, at the time of his registration. Registration will not be regarded as complete until this outline has been filed. When it has received the approval of the committee on graduate courses or of the graduate faculty, and the student has been notified thereof, he will be enrolled as a candidate for a degree.

*Students on the Staff.*—Assistants, associates, or others in the employ of the University are permitted to carry three hours of graduate work if full-time employees, and ten or eleven hours if half-time employees.

*Graduate Study in the Summer.*—As the summer offers leisure for advanced study to a large number of teachers, the University lays special emphasis upon graduate work during the summer quarter. Graduates of colleges or universities in attendance during the summer are urged to enroll for the strictly graduate courses, as these courses give them 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 and will be given an opportunity to discuss their courses of study in detail.

Attendance during two and one-half 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

Every graduate student who expects to take a degree in any quarter of a given year shall send to the registrar a written statement to that effect before the 15th of the first month of that quarter.

*The Master's Degree.*—Graduate students may receive the degree of master of arts or master of science by complying with the following requirements:

1. At least one year's work must be done in residence in undivided pursuit of the studies elected; or not less than two years in residence, if the candidate is employed as a teacher or regularly engaged in any other occupation or profession. Attendance during two and one-half summer quarters or their equivalent will satisfy the residence requirement.

2. The candidate must elect a major subject and either one or two minors. He must earn not less than thirty-six credits in residence, with a grade of A, B or C, at least one-half being in the

major subject, and present a thesis which shall embody independent though not necessarily original research. The requirement of a minor or minors may be waived, but only upon the recommendation of the head of the major department and with the consent of the committee on graduate courses. The total must represent the equivalent of at least forty-five hours.

3. No work done in the major subject may be counted toward the master's degree until the candidate for such degree has complied with the departmental requirement as to previous work in that subject, which in no case shall be less than eighteen hours.

4. Elementary or lower division courses may not count toward the minor requirement, and the teachers' courses may not count toward either the major or minor requirement.

5. Upon completion of the work as outlined in the application, the candidate shall be given an oral or an oral and written examination by a committee consisting of the major professor and all instructors with whom he has had work. The candidate in order to be recommended for a degree, must receive a two-thirds affirmative vote of each department represented in the examination.

6. The candidate's thesis shall be in charge of the instructor in whose field the subject of it falls, and it must be approved by the instructor in charge and receive a two-thirds favorable vote of the instructors of professorial rank in the department concerned. One copy of the thesis in typewritten or printed form (or library hand, in case the thesis is of such character that it cannot be typewritten), shall be deposited in the University library. The thesis must meet the approval of the librarian, and the cost and form of binding must be deposited with the thesis.

*The Doctor's Degree.*—Graduate students will be received as candidates for the degree of doctor of philosophy in such departments as are adequately equipped to furnish the requisite training.

Graduate students may receive the degree of doctor of philosophy by complying with the following requirements:

1. At least three years of graduate work, the last year of which must be spent in residence at the University of Washington. If a candidate is otherwise engaged in any regular employment, a correspondingly longer time will be required.

2. Evidence of a reading knowledge of both French and German and such other languages as individual departments may require. Evidence of sufficient attainment in these languages must be presented to the dean, and, upon his approval, filed with the registrar at least one academic year before the degree is granted.

3. Completion of courses of study in a major and two minor subjects, the work in the minors to constitute one-third of the total course. The major subject, in addition to the regular courses, shall include the preparation of a thesis embodying the results of a research which shall be a positive contribution to knowledge. This thesis must be approved by a committee appointed by the head of the major department, of which the instructor in charge of the thesis shall be a member, and also by the committee on graduate courses.

4. Oral examination in each of the minor subjects before a committee of three, including a representative of the major department. Certificates of the satisfaction of this requirement must be given before the candidate may be admitted to his major examination.

5. An exhaustive written examination in the major subject, not less than six hours in duration, no one session of which may exceed five hours.

6. An oral examination before a committee of three or more representatives of the major department, of not less than two hours. This examination must be approved by the entire committee. All examinations are open to members of the faculty.

7. 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.

The thesis, or such parts thereof as may be designated by the graduate council, must be printed in a form approved by the librarian and one hundred copies must be presented to the University library.

The completion of the requirements as specified shall be certified by the head of the major department not later than the Wednesday preceding commencement day.

For the present, members of the teaching staff of the University, of the grade of instructor or above, will not be received as candidates for the doctor's degree.

*Master of Science in Engineering.*—Courses leading to the degree of master of science in engineering are provided for students in civil engineering, electrical engineering, mechanical engineering, chemical engineering, and mining engineering.

For further information, see the Colleges of Engineering and Mines.

*Master of Science in Pharmacy.*—The degree of master of science in pharmacy will be conferred upon graduates of the four-year course in pharmacy who complete at least one year of graduate work as outlined and present a satisfactory thesis.

For further information, see College of Pharmacy.

*Master of Science in Forestry.*—For the degree of master of science in forestry, the student, must be a graduate of this University or other institution of equal rank, must have a satisfactory knowledge of botany, geology, physics, chemistry, mathematics, surveying and languages, and must be credited at this University with 249 credits, of which at least 78 are in technical forestry subjects, including silviculture, dendrology, wood technology, mensuration, management, lumbering, wood preservation, forest economics, and thesis.

For further information, see College of Forestry.

*Master's Degrees in Education.*—Advanced work for teachers leading to the master's degree in education is given by the University. For further information, see College of Education.

#### COURSES

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

## DEPARTMENTS OF INSTRUCTION

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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 1920-1921.

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### AERONAUTICAL ENGINEERING

#### *Engineering Hall*

**101. *Aerodynamics.***—Use of the wind tunnel in the determination of the characteristics of aerofoils; selection of aerofoils for a given purpose. Prerequisite, junior standing. Three credits.

**111. *Aerial Propellers.***—A 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 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.

161. *Aerial Transportation*.—The 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.

### ANATOMY

Science Hall and Anatomy Laboratory

ASSISTANT PROFESSOR WORCESTER

#### GROSS ANATOMY

101-102-103. *General Human Anatomy*.—A thorough study of the human body. The dissecting material is prepared after the most modern methods. Osteological collections are loaned to the students. Especially intended for students taking the pre-medical, nurses' or physical education courses, but open to others. Prerequisite, Zool 3 and 4 or their equivalent. Six credits per quarter; autumn, winter, and spring. Worcester

104. *Topographic Anatomy*.—Cross and sagittal sections for correlation. Prerequisites, courses 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 quarters. Worcester

#### MICROSCOPIC ANATOMY

105-106. *Histology and Embryology*.—The microscopic anatomy of developing and adult mammals studied both in their fresh and fixed conditions. Especially for students in pre-medical and nurses' courses but open to others. Prerequisite, Zool 3 and 4 or their equivalent. Five credits per quarter; autumn and winter. Worcester



107. *Neurology*.—The dissection of the human brain and cord and special organs of sense, also the comparative developmental history of the central nervous system, followed by a microscopic study of the nuclei and fiber tracts. Prerequisites, courses 105 and 106 or their equivalents. Especially for medical students but open to others. Five credits per quarter; spring. Worcester

## ARCHITECTURE

### *Architecture Building*

ASSOCIATE PROFESSOR GOULD; INSTRUCTORS MCCLELLAND, SEXSMITH; ASSOCIATE MYERS

1-2-3. *History and Elements of Architecture*.—Illustrated lectures and exercises in drawing and simpler elements of buildings. Excursions will be made to buildings and to builders' supply houses. In second and third quarters a general course in the history of architecture. Juniors in department of home economics and majors in painting and design take first and second quarters consecutively, receiving three credits first quarter. In the first quarter one two-hour laboratory period per week is required of juniors in home economics and juniors majoring in painting and design. One credit is added for this work. Two credits per quarter; autumn, winter, spring. Gould

4-5-6. *Architectural Drawing*.—Practical methods of presenting an architectural problem by means of plan, section and elevation. Individual instruction with occasional conferences. Recommended to students in engineering. Three credits per quarter; autumn, winter, spring. Sexsmith

7. *Descriptive Geometry*.—Training in draftsmanship and the ability to read drawings. Two three-hour laboratory periods per week. Three credits; autumn. Sexsmith

8. *Shades and Shadows*.—Construction by descriptive geometry of shades and shadows found in architectural renderings. Prerequisite, course 7. Two three-hour laboratory periods per week. Three credits; winter. Sexsmith

9. *Perspective Drawing*.—The 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 three-hour laboratory periods. Three credits; spring.

10-11-12. *Free Hand Drawing*.—The 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 per quarter; autumn, winter, spring. McClelland

47-48. *Mechanics*.—Statics; mechanics of building materials. No prerequisites. Five credits per quarter; autumn, winter. Sexsmith

51-52-53. *History and Elements of Architecture*.—First quarter, Egyptian, Greek and Roman architecture; second and third, Byzantine, Romanesque and Gothic, with concurrent study of outlines in general history. Illustrated lectures. Sophomore course, but may be taken the autumn quarter as a part course. Required of all students in the department and open to all students in the University. Two credits per quarter; autumn, winter, spring. Gould

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 work from leading architectural schools. Laboratory fee, \$2. Five credits per quarter; autumn, winter, spring. Gould

60-61-62. *Building Construction and Inspection*.—Lectures on methods employed in building construction, supplemented by detail drawing of various parts of buildings of all types. Visits will be made to the manufacturing plants of building materials and to all types of buildings under construction. Two credits per quarter; autumn, winter, spring. McClelland

72. *Modeling*.—Studies in clay of architectural ornament. One credit; autumn. Wehn

73-74. *Free Hand Drawing*.—Studies of architectural ornament and cast of the human figure. One credit per quarter; winter, spring.

101-102-103 *History of Architecture*. The architecture of the Renaissance; problems in ornamental design and planning. Two credits per quarter; autumn, winter, spring. McClelland

104-105-106. *Architectural Design*.—Advanced problems in ornamental design and planning as applied to different materials. Problems of industrial layouts, city squares, playgrounds, etc. Laboratory fee, \$2. Three credits per quarter autumn, winter, spring. McClelland

112. *Modeling*.—Design of simple architectural forms. One credit; autumn. Wehn

113-114. *Water Color*.—Still life studies, out-door subjects and architectural rendering. One credit per quarter; autumn, spring. McClelland

115-116. *Sanitation and Plumbing*.—Methods of sewage disposal and water supply in modern buildings; modern appliances and office practice; specifications. One credit per quarter; autumn, winter. Sexsmith

151-152-153. *History of Architecture*.—Modern architecture; city and industrial planning. Prerequisite Architecture 103. Two credits per quarter; autumn, winter, spring. Gould

154-155-156. *Architectural Design*.—Beaux Arts Class A projects first two quarters; third quarter, thesis. Five credits per quarter; autumn, winter, spring. McClelland

157-158-159. *Free Hand Drawing*.—Studies from life. Two credits per quarter; autumn, winter, spring.

166-167-168. *Art Appreciation*.—A survey of the history of art, principles of composition and arrangement. One credit per quarter; autumn, winter, spring.

*Electives*.—Electives may be chosen from among the following subjects: Analytical geometry, calculus, modern language, music, economics, naval architecture, psychology, public speaking, geology 5, public speaking and debate 1.

In addition students who elect design in their fourth year may select from the following subjects: Bridges, higher structures, structural materials (C. E. 167), frame structures (C. E. 134), electrical engineering 11.

These two courses are suggested as electives in the spring quarter of the junior year in architecture: Engineering geology (Geology 5), and practical public speaking (Dramatic Art 31).

## ASTRONOMY AND NAVIGATION

*The Observatory*

ASSOCIATE PROFESSOR BOOTHROYD

The work in astronomy is planned for three 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; and (c) those who wish to pursue the subject more intensively than either of the other classes.

In navigation the aim is to give a thorough mastery of the science and as much of the art as can be given with the limited equipment of the laboratory and class room. Men having the necessary experience in seamanship should have no difficulty in securing a master's license after successfully completing the course in navigation.

In the College of Science, courses 11 and 12 satisfy the science requirements.

In the College of Liberal Arts, courses 11 and 12 are recommended for those electing astronomy for the science requirement. Those who want only five hours may take courses 11 or 1, 2 and 31.

For a major in Astronomy 36 credits, including courses 11 and 12, must be taken.

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. Laboratory deposit, \$1. One credit; autumn, winter, spring. Boothroyd

2. *Elements of Astronomy*.—A brief 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. Two credits each quarter.

3. *Elements of Navigation*.—For fishermen in the short course in the College of Fisheries. Study of the compass, compass corrections, piloting and dead reckoning. Open only to short course students. Laboratory deposit, \$1. Winter. Boothroyd

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. Laboratory deposit, \$1. Five credits; autumn, winter. Boothroyd

12. *The Sun and Stars*.—Prerequisite, course 11 or 1 and 2 or the equivalent. Five recitation periods per week. Five credits; spring. Boothroyd

106. *Modern Astronomy*.—Recent work on planets, sun, stars and the general problems of the structure of the universe. Prerequisites, Physics 93, Math, 4 or its equivalent, and course 12. Five lecture and discussion periods per week. Five credits; spring. Offered alternate years, not offered 1920-1921. Boothroyd

*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. Laboratory deposit, \$2. Two laboratory periods per week. Two credits; autumn. Boothroyd

*124-125. Navigation.*—Study and use of nautical instruments and charts, piloting, the sailings, dead reckoning, the Sumner method and the "new navigation," air navigation. Prerequisite, course 123. Laboratory deposit, \$2. Three credits; winter, spring. Boothroyd

*131. History of Astronomy.*—An exposition of the scientific method as illustrated by the progress of astronomy. Prerequisites course 11 or 2, Physics 47, 48, 49 or equivalent. Two lecture and recitation periods per week. Two credits; spring. Boothroyd

*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 per week. Two credits; autumn. Laboratory fee, \$2. Boothroyd

*172. Geodetic Astronomy.*—The precise determination of time, latitude and azimuth. Prerequisites, course 171, Math. 62. Ten hours laboratory work per week. Five credits; winter. Laboratory deposit, \$5. Boothroyd

*173. Geodesy.*—Figure of the earth, geodetic positions, adjustment of triangulation systems, gravity determination and isostasy, mapping and map projection. Prerequisites, course 122 and Math. 62. Five lecture and recitation periods per week with outside assignments of problems and reading. Five credits; spring quarter. Boothroyd

\*203-204-205. *Practical Astronomy.*

\*251-252-253. *Celestial Mechanics.*

## BACTERIOLOGY AND PATHOLOGY

*Science Hall*

PROFESSOR WEINZIRL; ASSISTANT PROFESSOR NICKSON;  
ASSISTANT MISS STAER

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.

## PLAN OF COURSES AND ELECTIONS

<i>Autumn</i>	<i>Winter</i>	<i>Spring</i>	<i>Summer</i>	<i>For</i>
	Bact. 4 Short Course Fisheries	Bact. 5 Pharm. Bact.		4 - Fisheries, S.C. only. 5 - Pharmacy Engineers
Bact. 101 Gen. Bact.	Bact. 102 Sanit. Bact.	Bact. 103 Pub. Hygiene	Bact. 101, 102 103	Majors, Home Ec. Fisheries, Engi- neers and others
Bact. 104 Med. Bact.	Bact. 105 Inf. Dis.			Medicine and Nursing
Bact. 110 Pathology	Bact. 111 Pathology	Bact. 112 Pathology		Medicine and Majors
Bact. 201 Serology	Bact. 202 Bact. Diag.	Bact. 203 Clin. Diag.		Majors and Medicine
Bact. 210 Seminar	Bact. 211 Seminar	Bact. 212 Seminar		Majors and others
Bact. 213 Research	Bact. 214 Research	Bact. 215 Research	Bact. 213 Research	Majors and others

4. *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. Laboratory deposit, \$3. Winter. Weinzirl

5. *Pharmacy Bacteriology.*—A general course with emphasis upon pharmaceutical problems such as sterilization, disinfectants, and biological products. Prerequisite, sophomore standing and general chemistry. Laboratory deposit, \$3. Four credits; spring.

Weinzirl and Assistant

101. *General Bacteriology.*—Technique in growing and examining bacteria, their 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. Laboratory deposit, \$3. Four credits; autumn, 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. Laboratory deposit, \$3. Four credits; winter, summer.

Weinzirl and Assistant

103. *Public Hygiene*.—The conservation of health; prevention of diseases; school hygiene; industrial hygiene, etc. Prerequisite, junior standing except for bacteriology majors. Two or four credits, two lectures only, or two lectures and two laboratory periods. Spring quarter. Weinzirl

104. *Medical Bacteriology*.—The technique and principles of general bacteriology; identification of species; theories of infectious disease and of immunity. Prerequisites, general chemistry, histology, and junior standing. Laboratory deposit, \$3. Four credits; autumn. Weinzirl and Assistant

105. *Infectious Diseases*.—A detailed study of the pathogenic bacteria, and methods for the diagnosis of infectious diseases. Prerequisite, course 104. Laboratory deposit, \$3. Four credits; winter. Weinzirl and Assistant

110. *Pathology*.—Laboratory deposit, \$3. Three credits; autumn. Nickson

111. *Pathology*.—Laboratory deposit, \$3. Three credits; winter. Nickson

112. *Pathology*.—Laboratory deposit, \$3. Four credits; spring. Nickson

201. *Serology*.—A consideration of the types of immunity; immunization of animals and man; study of immune products. Prerequisite, courses 5, 102, or 105, and senior or graduate standing. Laboratory deposit, \$3. Four credits; autumn. Weinzirl

202. *Bacteriological Diagnosis*.—The diagnosis of infectious diseases. Intended for those specializing in bacteriology. Prerequisite course 102. Laboratory deposit \$3. Four credits, winter quarter. Weinzirl

203. *Clinical Diagnosis*.—The examination of sputum, urine, blood, gastric and intestinal contents, parasites, etc. Prerequisite, 105 and 106, or 102 and 103. Laboratory deposit, \$3. Four credits; spring. Weinzirl

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 course 102 or 105. Two credits per 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 quarters. Weinzirl

## BOTANY

*Science Hall*

PROFESSOR FRYE, ASSISTANT PROFESSORS RIGG AND HOTSON

## SUGGESTED SELECTIONS

For the required biological science in the Colleges of Liberal Arts and Science, only courses 1, 2, 3, 11, 12, 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 unless 11 and 12 were taken in the freshman year.

For teaching botany: 3, 105, 106, 140, 141, 142, 143, 144, 145.

For pharmacy students: 13, 14.

For forestry students: 11, 12, 140, 141, 142, 261, 262.

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 the high school. Five credits; autumn.. Rigg and Assistants

2. *Elementary Botany*.—Types of the great groups of plants from the lowest to the highest. 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, Rigg and Assistants

8, 9, 10. *Ecology and Taxonomy*.—For city teachers. Field trips every other Saturday, with noon campfire talks. Two or three credits per quarter; autumn, winter and spring quarters. Frye

11, 12. *Foresters' Botany*.—A study of types of plants to illustrate the advances in complexity. For forestry students. Five credits per quarter; winter and spring. Prerequisite, course 7.

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 quarter.

Rigg and Assistant

26. *School Garden*.—Prerequisite, courses 1, 2, or 10. Five credits; spring quarter. Hotson

53. *Aquatic Botany*.—A course on the plants of fresh water habitats, especially those involved in the study of fishes and their culture. Five credits; spring.



105. *Taxonomy*.—The flowering plants. Prerequisite, one year high school botany or 10 credits in the University. Five credits; autumn. Frye and Assistant

106, 107. *Morphology and Evolution*.—A 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, courses 2 or 10, or Zool. 1 and 2. Sophomore standing, or senior standing without prerequisites. Five credits per quarter; winter, spring. Frye and Assistant

111. *Forest Pathology*.—The recognition and treatment of common wood-destroying fungi. Prerequisites, courses 10 or 105. Five credits; spring. Hotson and Assistant

119. *Plant Histology*.—Preparation of slides for the compound microscope. Prerequisite, courses 12 or 106. Three credits; any quarter. Frye

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. Frye

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

140-141-142. *General Fungi*.—Morphology and classification of fungi as a basis for plant pathology. Prerequisite, course 11 or 105, junior standing. Five credits per quarter; autumn, winter, spring. Hotson

143, 144, 145. *Plant Physiology*.—Prerequisite, two quarters of botany and Chem. 21, junior standing. Five credits per quarter; autumn, winter and spring quarters. Rigg

200. *Proseminar*.—Semi-independent work by students. Open only on consultation with the head of the department. Credit to be arranged; any quarter. Frye, Rigg, Hotson

233. *Research*.—Credit to be arranged; any quarter. Frye, Rigg, Hotson

250. *Algae*.—Prerequisite, course 11 or 105. Five credits; any quarter. Frye

251. *Bryophytes*.—Prerequisite, course 12 or 106. Five credits; any quarter. Frye

252. *Pteridophytes*.—Prerequisite, course 12 or 106. Five credits; any quarter. Frye

253. *Gymnosperms*.—Prerequisite, course 12 or 107. Five credits; any quarter. Frye

254. *Angiosperms*.—Prerequisite, course 12 or 107. Five credits; any quarter. Frye

261, 262, 263. *Plant Pathology*.—A study of the diseases of plants and the fungi which produce them. Prerequisite, course 142. Five credits per quarter; autumn, winter, spring. Hotson

271, 272, 273. *Experimental Morphology*. — Prerequisite, course 12 or 106, one year chemistry, senior standing. Two credits per quarter. Frye

279. *Colloidal Biology*.—Prerequisite, course 143, Chem. 32, senior standing. Five credits; any quarter. Rigg

280. *Micrometabolism*.—Prerequisite, courses 12 or 107, 148 senior standing. Five credits; any quarter.

## CHEMISTRY

Bagley Hall

PROFESSORS DENSON, JOHNSON, DEHN, SMITH; ASSISTANT PROFESSORS TARTAR, HEATH, BARTON AND THOMPSON; INSTRUCTOR WETTON; ASSOCIATES POWELL, WHITWELL, RADFORD, FREEMAN, WHIPPLE

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 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

For a major a minimum of thirty-six credits selected from the courses outlined and including courses in general chemistry, and 131, 132, 133, 112, 113, or their equivalent.

The fee for each laboratory course is \$5 per quarter. This deposit covers the cost of materials furnished by the laboratory and provides the student for a full quarter's work. The student is required to purchase a breakage ticket when he obtains his locker key. The cost of the ticket is \$5, and any portion of it unused will be refunded.

1-2-3. *General Chemistry*.—The first two quarters are devoted to general chemistry and the chemistry of the non-metals; the third quarter to the chemistry of the metals. Open only to students who have had no high school chemistry. Three lectures and two laboratory periods per week. Five credits per quarter; autumn, winter, spring. Smith

3-1-2. *General Chemistry*.—A repetition of the course described above. Five credits per quarter. Tartar

2-3-1. *General Chemistry*.—A repetition of the course described above. Five credits per quarter. Tartar

4. *General Chemistry*.—For short course miners. Three lectures and one four-hour laboratory period per week. No credit; winter. Benson

5-6. *General Chemistry*.—For students in the department of home economics. Only women admitted. Three lectures and two laboratory periods per week. Five credits per quarter; winter, spring. Tartar

10. *Qualitative Analysis*.—For students of pharmacy. Two lectures and two laboratory periods per week. Four credits; spring.

21-22-23. *General Chemistry*.—For students who have had a high school course in chemistry, and especially for students in the colleges of Science and Engineering. Prerequisite, an accredited high school course in chemistry. Three lectures and two laboratory periods per week. Five credits per quarter; autumn, winter, spring. Smith

22-23-21. *General Chemistry*.—A repetition of the course above beginning the spring quarter. Five credits per quarter. Tartar

23-21-22. *General Chemistry*.—A repetition of the course described above. Five credits per quarter. Tartar

37-38-39. *Organic Chemistry for Pharmacy Students*.—Three lectures and two laboratory periods per week; autumn, winter, spring. Johnson

51. *Engineering Chemistry*.—An elective for engineering students. The course deals with the chemistry of fuels and construction materials. Two lectures and one laboratory period per week. Prerequisite, course 3 to 23. Three credits; spring.

Benson, Whitwell

101. *Qualitative Analysis*.—For students of chemistry and chemical engineering. Two lectures and three laboratory periods per week. Prerequisite, course 23 or its equivalent. Five credits; autumn, winter, spring. Thompson

105-106-107. *Chemistry and Analysis of Food*.—Laboratory and class work in analysis of food products and the study of federal and state laws regulating the sale of food products and drug products. Laboratory deposit, \$5. Five credits per quarter; autumn, winter, spring. Johnson

108. *Food Analysis*.—For students in the department of home economics. Methods of analysis of various foods and federal and state laws studied. Two lectures and two laboratory periods per week. Four credits; spring. Johnson

111. *Quantitative Analysis*.—A brief course which deals with both gravimetric and volumetric methods. This course is intended for students in general science. Prerequisite, course 23 or its equivalent. One lecture and three laboratory periods per week. Four credits; autumn, winter, spring. Heath

112. *Quantitative Analysis*.—A course in gravimetric analysis. Prerequisite, course 23 or its equivalent. One lecture and three laboratory periods per week. Four credits; autumn, winter, spring. Heath

113. *Quantitative Analysis*.—A course in volumetric analysis. Prerequisite, course 23 or its equivalent. One lecture and three laboratory periods per week. Four credits; autumn, winter, spring. Heath

114. *Quantitative Analysis*.—An advanced course in quantitative methods. Prerequisite, course 23, and either 112 or 113. One lecture and three laboratory periods per week. Four credits; spring. Heath

121. *Industrial Chemistry*.—Three lectures and two laboratory periods per week. Prerequisite, course 112. Five credits per quarter; autumn. Benson

121-122-123. *Industrial Chemistry*.—The first quarter deals with fuels, gases, cements, refractories, iron and steel, and alloys with special reference to technical testing. The second quarter deals with the machinery and processes for the manufacture of acids and alkalies. The third quarter deals with 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 laboratory periods per week. Prerequisite, course 113. Five credits per quarter; autumn, winter, spring. Benson, Whitwell

131-132-133. *Organic Chemistry*.—Designed especially for major students in chemistry and for students preparing for medicine. Prerequisite, course 3 or its equivalent. Three lectures and two laboratory periods per week. Five credits; autumn, winter, spring. Dehn

135-136. *Organic Chemistry*.—For students in the department of home economics. Only women are admitted. Three lectures and two laboratory periods per week. Prerequisite, course 6 or its equivalent. Five credits per quarter; autumn, winter. Dehn

*141-142. Physiological Chemistry.*—A general course for students of medicine, biology and bacteriology. Chemical composition of foods, tissues, secretions and excretions, their physiological and pathological changes. Prerequisite, courses 111 or 113 and 133. Three lectures and two laboratory periods. Five credits; autumn, winter. Barton

*144. Physiological Chemistry.*—For students in the department of home economics and those desiring a brief course. Three lectures and two laboratory periods per week. Prerequisite, course 136. Five credits; spring. Barton

*146. Urinary Analysis.*—A study of normal and pathological urine. A course intended for pre-medical students. Prerequisite, courses 111 or 113 and 133. One lecture and two laboratory periods. Three credits. Barton

*153. Sanitary Chemistry.*—Materials and processes used in the purification of water, sewage, and in sanitation. Two lectures, one laboratory period per week. Prerequisite, course 3 or 23. Three credits; autumn. Benson

*155.—Forest Products.*—Wood distillation, tannin, wood pulp, alcohol, viscose, vulcanized fiber and wood oils. An elective for students in forestry and chemical engineering. Two lectures and one laboratory period per week. Prerequisite, course 3 or 23. Three credits; autumn. Benson

*156. Road Materials.*—Bitumens and methods of testing. An elective for students in civil and chemical engineering. One lecture and one laboratory period per week. Prerequisite, course 3. Two credits; spring. Benson

*181-182. Physical and Theoretical Chemistry.*—A course dealing with the fundamental theories of chemistry based upon physical measurements. Three lectures and two laboratory periods per week. Prerequisite, Physics 2 and course 113 and 133. Five credits per quarter; autumn, winter. Tartar

*183. Electro Chemistry.*—Theories and laws of voltaic currents and laboratory work with electro-chemical processes and measurements. Three lectures and two laboratory periods per week. Prerequisite, course 182. Five credits; spring. Tartar

*192. Chemistry of Plant and Animal Tissues.*—The application of physiological chemistry to the study of biology. Prerequisite, courses 111 or 113 and 133. One lecture and two laboratory periods. Three credits, autumn. Barton

*193. Chemistry of Nutrition.*—A study of enzyme and chemical reactions involved in digestion and metabolism. Prerequisite, courses 111 or 113 and 133. One lecture and two laboratory periods. Winter. Barton

203. *Advanced Physical Chemistry*.—Chemical statics and dynamics. Three lectures and two laboratory periods per week. Prerequisite, 202. Five credits; spring. Tartar

211. *Inorganic Preparations*.—The preparation of special substances involving representative laboratory methods. Four laboratory periods per week. Prerequisite, 223. Five credits; autumn. Thompson

212. *Organic Preparations*.—This course and 211 are required of all candidates for the degree of doctor of philosophy. Four laboratory periods per week. Prerequisite, 223. Five credits; autumn. Dehn

213. *Organic Analysis*.—The fundamental special methods used in the analysis of organic substances. Two laboratory periods per week. Prerequisite, courses 133 and 113. Two credits; winter. Dehn

215-216-217. *Chemical Engineering*.—For seniors and graduates in chemical engineering. In the autumn quarter the course consists of selected chemical processes with special emphasis on the factors of control and inspection. The winter quarter deals with the preparation of drawings and specifications of fundamental apparatus such as driers, coolers, grinders, conveyors, evaporators, and stills, together with computations of heat interchange, etc. The spring quarter deals with 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, courses 123, C. E. 2 and M. E. 90. Five credits per quarter; autumn, winter, spring.

Benson, Whitwell

221-222-223. *Advanced Inorganic Chemistry*.—A course in chemical theory recommended for all major and graduate students. Two credits per quarter; autumn, winter, spring. Smith

224-225. *History of Chemistry*.—A course in the historical fields of organic chemistry. Prerequisite, courses 133, 182. Five credits; autumn, winter. Smith

231-232-233. *Advanced Organic*.—A detailed study of special fields of organic chemistry. Prerequisite, courses 133, 182. Five credits per quarter; autumn, winter, spring. Dehn

219. *Chemical Engineering*.—The design, construction, equipment and operation of a plant for semi-commercially testing the results of laboratory experiments. The results may be reported as a thesis for an advanced degree. Prerequisite, course 217. Credit to be arranged; autumn, winter, spring. Benson, Whitwell

250. *Research*.—The work in research offered by the department is of two types; (1) Research for the master's degree. This

work is not necessarily laboratory investigation, although the investigation of the literature is ordinarily supplemented by laboratory development of the subject. The maximum credit is nine hours; (2) 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, or in food investigation with Dean Johnson of the College of Pharmacy. The work may be upon any topic approved by the department. The maximum credit is forty-five hours. Prerequisite, course 182. Credit to be arranged; autumn; winter and spring.

## CIVIL ENGINEERING

### *Engineering Hall*

PROFESSORS MORE, ALLISON; ASSOCIATE PROFESSORS HARRIS, HAYDEN, RUDY;  
ASSISTANT PROFESSORS RATHBUN, COLLIER, MAY; INSTRUCTORS C. L.  
WHITE, R. H. WHITE, WILBUR; ACTING INSTRUCTORS, MILLER, BROWN,  
VAN HORN, GERHARDT, DOBSEN, DANA, ASSOCIATE WELD.

1. *Engineering Drawing*.—The use of instruments, free-hand lettering, fundamental principles of making working drawings, platting of traverse from field notes. Laboratory deposit, \$1. Three credits; autumn, winter, spring.

2. *Engineering Drawing*.—Reading of working drawings, conventional symbols and standards, tracing. Prerequisite, course 1. Three credits; autumn, winter, spring.

11-12-13. *Engineering Problems*.—The class room work is devoted to training students in methods of attacking, analyzing and solving engineering problems. Three credits; autumn, winter, spring.

21. *Plane Surveying*.—Instruments, computations, mapping, and an introduction to the U. S. system for the survey of the public lands. Prerequisite, C. E. 1 and Math. 51. All freshman engineers. Laboratory deposit, \$1.50. Three credits; autumn, winter, spring.

22. *Railroad Surveying*.—Elementary railroad engineering. Prerequisite, C. E. 24. Laboratory deposit, \$1.50. Four credits; autumn. Hayden

23. *Higher Surveying*.—Meridian observations; triangulation and base line measurements; computations and adjustment of measurements; plane table surveying. Prerequisite, C. E. 24. Laboratory deposit, \$1.50. Four credits; winter. Hayden

24. *Field Engineering*.—Field practice in the survey and construction of highways, railroads, canals, etc. Prerequisite, C. E. 21. Laboratory deposit, \$1.50. Four credits; spring. Hayden

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, \$1.50. Three credits; winter. Hayden

30. *Surveying*.—(Short session in Forestry). Laboratory deposit, \$2. Five credits; winter. Hayden

38. *Surveying*.—(Short session in Mining). Laboratory deposit, \$2. Five credits; winter. Hayden

41. *Engineering Construction*.—A consideration of structures from the standpoint of utility, design, construction and maintenance. Three credits; winter, or spring.

55. *Forest Surveying*.—For students in forestry. Laboratory deposit, \$3. Three credits; winter. Hayden

56. *Forest Surveying*.—Chain, compass, transit and level surveying, with reference to work in forestry. Laboratory deposit, \$3. Five credits; spring. Hayden

112. *Railway Construction*.—Railway construction methods, machinery and tools; details of track, and terminal structures. Prerequisite, C. E. 24. Five credits; winter. Hayden

115. *Railway Economics*.—The economic theory of railway location, operation, and maintenance. Prerequisite, C. E. 24. Five credits; spring. Hayden

122. *Highways*.—Location, methods, and types of construction, with local application. Prerequisite, C. E. 22. Three credits; winter. Professor Allison

126. *Roads and Pavements*.—Surface materials and maintenance, including comparative laboratory study of properties of local materials. Prerequisite, C. E. 122. Five credits; autumn. Allison, Collier

181. *Mechanics*.—Statics, stresses in structures, beams, columns, flexible cords; theorem of least work; theorem of three moments; combined stresses. Prerequisite, Math. 62. Three credits; autumn, winter, or spring. More

182. *Mechanics*.—Dynamics; translation and rotation; work, energy and power; friction, torsion; inertia of rigid bodies. Prerequisite, C. E. 131. Three credits; autumn, winter, or spring. More

183. *Reinforced Concrete*.—The mechanics of reinforced concrete beams, girders, columns and retaining walls and introduction to reinforced arch bridges. Prerequisite, C. E. 131. Three credits; spring. More



134. *Framed Structures*.—Problems presenting structural engineering, cranes, roof trusses, highway bridges and simple spans. Prerequisite, C. E. 131. Three credits; autumn. Rathbun

135. *Advanced Mechanics*.—General theories of flexure, elasticity and least work, with applications. Senior and graduate engineers. Prerequisite, C. E. 132 and C. E. 133. Five credits; spring. More

142. *Hydraulics*.—Flow of water through pipes, orifices, over weirs and in open channels; energy, impulse and reaction of jets with application to impulse wheels; review of hydrostatics. Prerequisite, C. E. 131. Laboratory deposit, \$3. Five credits; autumn, spring. Harris

143. *Hydraulic Engineering*.—Complete problems presenting hydraulic engineering. Prerequisite, C. E. 142. Three credits; winter. Harris

144. *Hydraulic Mining*.—A course of two lectures per week on theory and practice of hydraulic mining. For students taking short course in mining. Two credits; winter. Allison

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. 12. Senior and graduate E. E. and M. E. Three credits; winter. Harris

147. *Hydraulic Power*.—Generation of power; penstock and turbines; types of installations. Prerequisite, C. E. 142; senior and graduate C. E. Five credits; autumn. Harris

153. *Water Supply*.—The principal engineering operations necessary to secure suitable water supplies for cities and towns; purification of water. Prerequisite, C. E. 142; senior and graduate C. E. Five credits; winter. Allison

154. *Sanitary Engineering*.—The design and construction of sewage systems, sewage treatment, and disposal; garbage collection and destruction. Senior and graduate C. E. Prerequisite, C. E. 142. Five credits; spring. Allison

157. *Irrigation Problems*.—Special problems and investigations. Senior and graduate C. E. Three credits; spring. Allison

158. *Sewage Treatment*.—Supplementary to C. E. 154 with special problems in matters relating to public health. Senior and graduate C. E. and Ch. E. Three credits; spring. Allison

161. *Bridges*.—Stresses, design and deflection of simple trusses; detail drawings; estimates. Prerequisite, C. E. 134. Senior and graduate C. E. Five credits; winter. Rathbun

164. *Higher Structures*.—Primary and secondary stresses and design. Prerequisite, C. E. 161. Senior and graduate C. E. Five credits; spring. More

167. *Strength of Materials*.—An experimental study of the physical properties of materials used in engineering. Prerequisite, C. E. 131. Senior and graduate C. E. and M. E. and graduate E. E. Laboratory deposit, \$3. Three credits; spring.

169. *Construction*.—Consideration of materials of construction and study of construction projects. Prerequisite, senior standing. Five credits; winter. Rubey

171. *Engineering Astronomy*.—(See Astronomy 171).

172. *Geodetic Astronomy*.—(See Astronomy 172).

173. *Geodesy*.—(See Astronomy 173).

## CLASSICAL LANGUAGES AND LITERATURE

Denny Hall

PROFESSOR THOMSON; ASSOCIATE PROFESSOR SIDNEY; ASSISTANT  
PROFESSORS DENSMORE, CLARK

Requirements for a major; at least 36 hours in the department, chosen from courses other than Greek 11 and 13-14; Latin, 1, 2, 3; 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.

### I. GREEK

1-2-3. *Elementary Greek*.—Translation from a wide range of Greek authors. An especial effort will be made to give students who take but one year of Greek an appreciation of its spirit and its bearing on the English language. Five credits per quarter; autumn, winter, spring. Densmore

4-5. *The World of Homer and Hesiod*.—The epic age as seen in Homer and the renaissance of the Greek world. Illustrated lectures, conferences, and reports. Prerequisite, one year of Greek. Three credits per quarter; autumn and winter. Clark

6. *Herodotus*.—A study of the Persian war period. Prerequisite, course 4-5. Three credits; spring. Clark

\*7. *New Testament*.

\*8-9-10. *Greek Art*.—Autumn—architecture; winter—sculpture; spring—painting, numismatics, and the minor arts. This course alternates with that in Roman art. Primarily for students of fine arts but open to all students. One credit per quarter. Sidney

11. *Greek Civilization*.—An institutional and cultural survey of the Greek world from the earliest times to the Roman conquest. Illustrated lectures, conferences and discussions. Five credits; autumn, or winter. Densmore

12. *Advanced Greek Civilization*.—A continuation of the problems of course 11 with particular attention to their development in modern times. Conferences and discussion groups. Prerequisite, course 11 or junior standing. Five credits; spring. Densmore

13-14. *Greek and Roman Literature*.—A two-quarter course devoted to the study of the chief masterpieces in English translation. Knowledge of Greek and Latin is not required. Five credits; autumn, winter, spring. Sidey

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. Prerequisites, courses 4-5. Three credits per quarter; autumn, winter, spring. Densmore

104-105-106. *Greek Poetry*.—Lyric poetry, tragedy, and pastoral poetry. Prerequisite, courses 4-5. Two credits per quarter; autumn, winter, spring. Densmore

107-108-109. *Greek Prose*.—Two credits per quarter; autumn, winter, spring. Densmore

\*151-152-153. *Plato*.—Intensive study of the Republic, the Laws (in part), and some of the shorter dialogues. Prerequisites, courses 101-103. Three to five credits per quarter; autumn, winter, spring. Densmore

*Greek History*.—(See History 71-72-73 and 171-172-173.)

## II. LATIN

1-2-3. *Elementary Latin*.—This course covers the first and second years of high school Latin. It is 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 preparations up to the college requirements. It will be given if any considerable number of students desire it. Five credits per quarter; autumn, winter, spring. Sidey

4. *Ovid*.—Selections, chiefly from the Metamorphoses, with some study of the same myths as they appear in English literature. Prerequisite, three and one-half years of high school Latin. Three credits; autumn. Clark

\* Not offered in 1920-1921

5. *Cicero: De Senectute*.—A comparison of Cicero's work with similar essays. Prerequisite, three and one-half years of high school Latin. Three credits; winter. Clark

6. *Catullus*.—The Latin lyric. Emphasis upon finished translation and comparison of the best English versions. Prerequisite, three and one-half years of high school Latin. Three credits; spring. Clark

7, 8, 9. *Grammar and Composition*.—Prerequisite, three and one-half years of high school Latin. Two credits per quarter; autumn, winter, spring. Clark

11. *Roman Civilization*.—The part played in history by the Romans and their contributions to modern civilization. Lectures, illustrated, when possible; collateral reading, and reports. Five credits; autumn, winter, or 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 per quarter; autumn, winter, spring. Sidey

40, 41, 42. *Sight Translations*.—Prerequisite, three and one-half years of high school Latin. Two credits per quarter; autumn, winter, spring. Thomson

50. *Horace and Tibullus*.—Selections from the odes of Horace and the elegies of Tibullus and Propertius. Prerequisite, courses 4, 5, 6, or special permission. Three credits; autumn. Thomson

60. *Livy*.—One book and selections from the other books. Prerequisite, courses 4, 5, 6, or special permission. Three credits; winter. Thomson

70. *Plautus and Terence*.—A study of the Roman drama and its Greek sources. Prerequisite, courses 4, 5, 6, or special permission. Three credits; spring. Thomson

100. *Cicero's Letters*.—Selected Letters of Cicero; characteristics of Latin epistolary literature; value of the Letters as a source of information on the political and social conditions of Cicero's day. Prerequisite, course 50, 60 or 70. Two credits per quarter. First quarter. Clark

101. *Pliny's Letters*.—Selected Letters of Pliny; comparison of Cicero and Pliny in their letters. Pliny as a corrective of Tacitus in regard to their times. Reading of selections from the famous letters of modern times. Prerequisite, courses 50, 60, or 70. Two credits per quarter. Second quarter. Clark

102. *Tacitus' Annals*.—Books I, II will be read as a basis for the study of Tacitus' style, method and attitude as an historian. Tacitus compared with Pliny the Younger. Prerequisite, courses 50, 60, or 70. Two credits per quarter. Third quarter. Clark

103-104-105. *Teachers' Course*.—Caesar, Cicero, and Vergil; methods, practice teaching, and observation. Prerequisite, courses 50, 60, or 70. Three credits per quarter; autumn, winter, spring. Clark

\*110. *Horace's Satires*.

\*111. *Juvenal and Martial*.

\*112. *Short Stories from Apuleius*.

151. *Medieval Latin*.—Einhard's Life of Charlemagne and Bede's Ecclesiastical History of England. Two credits; autumn. Sidey

152. *Seneca*.—Moral Essays. Two credits; winter. Sidey

153. *Latin of the Empire*.—Gudeman's Selections. Two credits; spring. Sidey

## DRAMATIC ART

Denny Hall

PROFESSOR GORSUCH; 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.

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 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 students' power of analysis and appreciation. Three credits per 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 reading 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 characteriza-

\*Not offered in 1920-1921.

tion as these are manifested in utterance. Three credits per quarter; autumn, winter, spring. Gorsuch

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 per quarter; autumn, winter, spring. Gorsuch

32. *Practical Public Speaking*.—Prerequisite, course 31. Three credits per 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, with at least one public performance during each quarter. Four credits per 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 per quarter; autumn, winter, spring. Hughes

Work to be announced later will include courses in producing. General stagecraft.

## DRAWING, PAINTING AND DESIGN

### *Book Store Building*

MISS EDENS, MR. PATTERSON, MRS. WOMAN, MISS CAMPBELL,

Advanced students applying for credit must present work to head of the 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.

5-6-7. *Freehand 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. Laboratory deposit, \$1. Three credits per 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. Laboratory deposit, \$1. Four credits per quarter; autumn, winter, spring.

16-17-18. *Art Appreciation*.—Historical development, from the art of primitive man to the present day, including the anatomical

structure and function of the human body as related to artistic construction. One credit per quarter; autumn, winter, spring.

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53. *Art Structure*.—Working out simple units, borders, and all-over patterns with needle and cloth as medium. Laboratory deposit \$2. Four credits; autumn.

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54. *Art Structure*.—Bookbinding and woodblock printing. Laboratory deposit \$2. Four credits; winter.

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55. *Art Structure*.—Woodblock printing and furniture decoration. Designing of woodblocks and printing on textiles. Laboratory deposit \$2. Four credits; spring.

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56-57-58. *Illustration and Life Study*.—Drawing and painting, from the model in various mediums, for reproductive processes such as magazines, newspapers and commercial work, including a study of the anatomy of the human figure. Prerequisite, freshman free-hand. Laboratory deposit, \$3. Three credits per quarter; autumn, winter, spring. Patterson

59-60-61. *Household Design*. Designs for tiles, leaded glass, metal-works, fixtures and embroidery. Three credits per quarter; autumn, winter, spring.

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72-73-74. *Clay Modeling*.—(See Sculpture 72-73-74.)

101. *Public School Drawing*.—For drawing supervisors. The working out of such drawings as would be used in the public schools. Three credits spring. Edens

103-104. *Art Structure. Pottery*.—Advanced students will be allowed to work for advanced credits. Laboratory deposit, \$2. Three credits per quarter autumn, winter. Worman

105. *Art Structure*.—Design as applied to lettering, advertising, and cartooning. Three credits; autumn. Edens

106. *Art Structure*.—Posters. Three credits; winter. Edens

107-108-109. *Portrait*.—Portraiture in all mediums. Prerequisite, freshman freehand. Laboratory deposit, \$3. Three credits per quarter; autumn, winter, spring.

110-111-112. *Art Structure*.—Interior decoration. Three credits per quarter; autumn, winter, spring. Edens

113-114-115. *Furniture Design*.—Lectures on the history of furniture and the working out of original designs in furniture. Two credits per quarter; autumn, winter, spring.

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\*151-152. *Landscape*.—Design.

153. *Methods of Teaching Art*.—Courses of study, methods and material. Three credits; autumn. Edens

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154. *Practice Teaching*.—Teaching under supervision in city schools. Five credits; winter. Edens

157. *Art Structure*.—Simple metal work—etching, sawing, and hammering of copper and brass. Laboratory deposit, \$2. Three credits; autumn. Edens

158. *Art Structure*.—Jewelery. Laboratory deposit, \$2. Three credits; winter. Edens

159. *Art Structure*.—Landscape composition. Three credits; spring. Edens

160-161-162. *Portrait and Life*.—Laboratory deposit \$3. Three credits per quarter; autumn, winter, spring. Patterson

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. Laboratory deposit, \$3. Three credits per quarter; autumn, winter, spring.

\*166. *Landscape*.

169-170-171. *Textile and Costume Drawing*.—Two credits per quarter; autumn, winter, spring. Edens

172-173-174. *Interior Decoration*.—Advanced problems in interior decoration in elevation and perspective. Five credits per quarter; autumn, winter, spring.

## ECONOMICS AND BUSINESS ADMINISTRATION

### Commerce Hall

PROFESSORS MILLER, DEHAAS; ASSOCIATE PROFESSORS CUSTIS, DOUGLAS, SMITH, MORIARTY;  
ASSISTANT PROFESSORS MCMAHON, SKINNER, COX, DAKAN; INSTRUCTORS AKERMAN,  
THOMA, GREGORY, GOULD; ASSISTANT TURPIN

1. *General Economics*.—Introductory course covering the general principles of economics. Five credits; autumn, winter, or spring. Miller

7. *Economic Resources of the World*.—A study of the principal, agricultural and mineral resources of the world and their development; commerce in them; governmental policies of conservation. Five credits; autumn, winter or spring. Skinner

11-12. *Elementary Accounting*.—The philosophy of debit and credit, the various books of original entry, different forms of ledgers, balance sheet, profit and loss statement, business papers, classification of accounts, accounting problems of partnerships and corporations, etc., from the point of view of the business manager as well as the accountant. Two quarters must be taken. Five credits, beginning autumn and winter. Cox, Dakan, and Gregory

\*Not offered in 1920-1921.

ECON. 13	Elementary Accounting	3 cr.
ECON. 21	Money and Banking	5 cr.
ECON. 24	Banking Practice	2 cr.
ECON. 25	Mercantile Credits	2 cr.
ECON. 41	Risk and Insurance	3 cr.



## COURSES 50-99. PREREQUISITE, SOPHOMORE STANDING

51. *Economics of Transportation*.—The history of transportation; railroad problems in relation to industry and society; the present American railway situation. Three credits; autumn, winter, or spring. Miller

53. *Water Transportation*.—A study of inland and ocean transportation; rate determination; combinations; and government regulations. Two credits; winter. Miller

54-55-56. *Business Law*.—This course covers the 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 paper, insurance, partnership and corporations, with special lectures on the statutory regulations pertaining thereto. Three credits per quarter; beginning autumn. Ayer

57. *Money and Banking*.—The nature and functions of money, the relations between money and price levels; the various types of financial institutions, including the Federal Reserve System, national and state banks, investment banks, and the like. Five credits; autumn, winter, or spring. Custis

58. *Risk and Insurance*.—Study of the risk factor in its economic and social consequences; productivity and the cost of risk taking; ways of meeting risk. Life, fire, and compensation insurance, briefly discussed. This course is a prerequisite to all insurance courses. Three credits, autumn, winter, or spring. Smith

61. *Social and Economic Standards of Living*.—An historical study of standards of living; racial differences in habits, and ideals of consumption; economic and social influence in industry; conflict of standards and racial survival. An analysis of class standards of consumption in the United States; their economic and social background; new standards in their evolutionary development. Three credits; autumn, winter, or spring. McMahon

63. *Immigration and Labor*.—The influence of immigration upon the American labor movement. Two credits; winter. McMahon

64-65-66. *Second Year Accounting*.—Continuous course covering three quarters. (two lectures and one laboratory period.) Required of all students majoring in accounting. General principles of valuation, depreciation, investments, different types of assets and liabilities, surplus and reserves, etc. Prerequisite, courses 11-12 or their equivalent. Three credits per quarter; beginning autumn. Cox, Dahan, Gregory

69. *Economics of Consumption*.—The social psychology of consumption in its relation to the economic laws of production and distribution. Two credits; winter. McMahon

71. *Economics of Markets*.—The development of the market from early times to the present, with emphasis on the marketing of raw products. This course is a prerequisite to all the other courses in marketing. Three credits; autumn, winter, or spring. Moriarty

72. *Marketing of Manufactured Products*.—A general survey of modern marketing methods in manufactured products and trade-marked goods. Three credits; winter. Moriarty

73. *Sales Management*.—Selling methods, the organization of the sales force, and the training of salesmen are carefully studied. Three credits; spring. Moriarity

81-82-83. *Typewriting*.—This course requires ten hours practice each week for three quarters. One credit per quarter; beginning autumn. Turpin

84-85-86. *Shorthand*.—Two hours class work required daily, with from one to two hours preparation. Students with previous training may be admitted to second or third quarters upon examination. Two credits per quarter; beginning autumn. Turpin

90. *Business Correspondence*.—Principles of business writing; theory and practice of various types of letters; sales, adjustments, credit, collection, etc.; reports and summaries. Three credits, autumn, winter, or spring.

#### COURSES 100-199. PREREQUISITE, JUNIOR AND

##### SENIOR STANDING

100-101-102. *Secretarial Training*.—Use of office appliances and practice in filing, telephoning, and general office work. This course rounds out and completes the training of the stenographer. Prerequisite, courses 82-83, 84-85, or their equivalent. Two credits per quarter; beginning autumn. Turpin

103. *Office Management*.—The principles of office administration, office location, layout, and equipment; communication; correspondence; business departments; training office workers. Prerequisite, courses 11-12, 81-82-83, 90, or their equivalent. Two credits; winter. Turpin

105. *Trusts and Combinations*.—The form of business organization from the point of view of the industrial concern, and from that of the public. Three credits; autumn. Custis

111-112-113. *Advanced Accounting*.—Continuous course covering three quarters. Required of all students majoring in accounting. Detailed study of accounting theory and practice. Analysis and solution of accounting problems; prerequisite, courses 11-12, 64-65-66, or their equivalent. Three credits; beginning autumn. Cox

*114. Banking Accounting.* Comparative study of keeping ledger accounts with depositors, analysis of depositors' accounts to determine value to bank, analysis of statement of conditions, preparation and analysis of customers' credit statements, bank examinations and reports, bank budget and cost accounting for bank. Prerequisite, courses 11-12, 64-65-66 or their equivalent. Dakan

*115. Installation of Accounting Systems.*—Required of all accounting majors. Methods of business analysis and installation of appropriate accounting systems, including departmental and branch office budgets. Prerequisite, courses 11-12, 64-65-66 or their equivalent. Three credits; winter. Gregory

*116. Railroad Accounting.*—Required of all students majoring in railroads and accounting. Preparation and analysis of maintenance of ways and structures, maintenance of equipment, traffic, transportation, and general expense accounts. Preparation of analysis of profit and loss, and balance sheet records; practices involved in auditing freight and passenger revenue. Prerequisite, courses 11-12, 64-65-66 or their equivalent. Three credits; spring.

*118. Business Statistics.*—The preparation and interpretation of statistical information concerning business operations; the preparation of graphs for the use of executives. Prerequisite, Math. 13 (one quarter). Two credits; fall or spring. Douglas

*120. Business Administration.*—The principles according to which business organizations are conducted. Field work; a study of a number of business houses, including bank, steamship line, lumber mill, store, and also trade associations. Three credits; autumn, winter spring. Douglas

*121. Corporation Finance.*—Methods of financial management and control of corporations; issue of stocks and bonds; problems of re-organization and liquidation; and the relation of stock and bond holders to the management. Three credits; winter. Custis

*122. Railroad Finance.*—A study of railroad compensation, valuation, bond and stock issues, earnings, and receivership; government control, its efficiency, etc. Prerequisite, courses 51 and 151. Three credits; winter.

*123. Investments.*—A critical study of the various types of investment securities with special reference to the needs of different types of investors and to the work of the investment banker in dealing with them. Prerequisite, course 121. Three credits; spring. Custis

*125. Banking Practice.*—The accounting systems of commercial and savings banks, the duties of the officers and employees, and the preparation of reports. Prerequisite, courses 11-12 and 57. Three credits; winter. Dakan

126. *Commercial Credits*.—A study of the bases of granting credit by mercantile establishments. The organization of the credit and collection departments, the use of commercial agencies and credit associations, and the preparation and analysis of credit statements. Prerequisite, course 58. Two credits; spring. Dakan

127. *Foreign Exchange*.—The theory of foreign exchange; and the method of dealing in foreign exchange; financing of import and export shipments. Prerequisite, course 57. Three credits; autumn. deHaas

137. *The Economics of Advertising*.—Fundamental economic principles applied to the proper relations of advertising to product, sales plans, and media. Three credits; autumn. Moriarty

138. *The Principles of Advertising*.—The application of the technical principles of advertising to widely different types of business. Three credits; winter. Moriarty

139. *Advertising Campaign*.—Advertising as an integral part of sales campaigns. Choice of media and sequence copy for specific campaigns. Three credits; spring. Moriarty

\*140. *Real Estate Problems*.—Factors determining urban and rural land values; methods of operation and administration of the real estate business. Two credits; autumn. deHaas

141. *Fire and Miscellaneous Property Insurance*.—Theory and practice of fire insurance; study of clauses in standard fire policy; apportionment of losses; rate making; fire prevention. Also credit, title, fidelity, automobile, steam boiler, plate glass insurance. Prerequisite, course 58. Five credits; autumn. Smith

142. *Life, Accident and Health Insurance*.—Functions of life insurance; premiums; reserves; kinds of companies and policies; dividends; lapses. Disability, group, industrial insurance. State regulations of life insurance business. Prerequisite, course 58. Five credits; spring. Smith

147. *Social Insurance*.—A study of employer's liability and workmen's compensation legislation in Europe and the United States; methods of insuring; premiums; reserves. Insurance against illness, old age and unemployment. Prerequisite, course 58. Three credits; winter. Smith

149. *Marine Insurance*.—History, principles, and practice of marine insurance as applied to ships and cargo. Prerequisite, course 58. Five credits; winter. Smith

151. *Rail and Marine Rates*.—A study of cases; the jurisdiction of the Interstate Commerce Commission, and of the U. S. Ship-

ping Board; local and commodity tariffs; rate structures. Prerequisite, course 51. Three credits; spring. Miller

153. *Railroad Administration*.—A study of railroad administration from the foreign and American viewpoint; divisional and departmental systems compared and criticized; the relation of administration to efficiency will consume considerable time; uniform accounting as a basis for statistical comparison and railroad efficiency emphasized; typical railroad systems studied and contrasted; conclusions, and constructive criticisms developed. Prerequisite, courses 11-12 and 51. Three credits; autumn. Miller

154. *Auditing*.—Required of all students majoring in accounting. Auditing procedure, balance sheet audits, analysis of asset and liability values, profit and loss statement, audits, analysis of income and expense, certificates and reports, etc. Prerequisite, courses 11-12, 64-65-66, 111-112-113. Three credits; autumn. Cox

155. *Corporation Accounting*.—Required of all students majoring in trusts and corporations or accounting. Detailed analysis of a dozen selected corporations with special emphasis on accounting practices involved and financial conditions indicated. Prerequisite, courses 11-12, 64-65-66, 111-112-113. Three credits; autumn. Cox

156. *Cost Accounting*.—Required of students majoring in accounting. Elements of cost, general methods of cost finding, factory routine, distribution of overhead, compiling and summarizing cost records. Ledger control of factory accounts, installation of cost systems. Prerequisite, courses 11-12, 64-65-66, 111-112-113. Three credits; winter. Cox

157. *Income Tax Accounting*.—Required of students majoring in accounting. Detailed study of income tax law; government decisions affecting the practical determination of what constitutes taxable income; persons and corporations subject to tax; preparation and analysis of return schedules. Prerequisite, courses 11-12, 64-65-66, 111-112-113. Three credits; spring. Cox

158. *C. P. A. Problems*.—Required of students majoring in accounting. Selected problems covering various accounting principles, or work taken from state C. P. A. examinations. Open only to seniors in accounting. Three credits; spring. Cox

160. *Advanced Economics*.—This course is intended to give more thorough training in economic theory. The various theories of value and distribution are critically studied. Prerequisite, senior standing. Five credits; autumn, winter, or spring. Akerman

161. *History of the American Labor Movement*.—This course aims to show the relation between the development of the Ameri-

can labor movement and free lands, immigration, economic organization, prices and industrial crises. Three credits; autumn.

McMahon

162. *Modern Labor Problems*.—An analysis of the modern labor movement with special emphasis on craft unionism, industrialism, the cooperative movement, and profitsharing; the psychology of laborers as influenced by modern industrial tendencies. Three credits; winter.

McMahon

163. *European Labor Problems*.—Three credits; spring.

165. *Labor Legislation*.—Three credits; autumn. Not given 1920-1921, alternates with 166.

McMahon

166. *Women in Industry*.—A study of the evolution of women's work; the relative importance of women in industry; social reaction in labor legislation. Three credits; autumn.

McMahon

167. *Industrial Management*.—The internal organization and administration of industrial enterprises. Factors in plant location; accounting records and executive control. Three credits, winter.

Douglas

168. *Employment Management*.—The organization and operation of the employment management department, its relation to the workers and to the management of industrial enterprises. The sociological effect of employment management upon the labor market. Three credits; spring.

Douglas

170. *Commercial Policies*.—The history of commerce and the commercial policies of the principal nations in connection with the development of American foreign trade. Two credits; winter.

deHaas

171. *Organization of Foreign Trade*.—The organization of foreign trade; methods of public and private trade promotion; the principle and practice of international market organization. Three credits; autumn.

deHaas

172. *Technique of Foreign Trade*.—The technique of importing and exporting. The administration and operation of an export department; the preparation of documents and calculation of values of staples and of manufactured products. Three credits; winter.

deHaas

173. *Ports and Terminals*.—The administration and technical equipment of ports and the bearing of these factors on port efficiency. A comparative study of foreign and American ports, their relative importance and their relation to the hinterland. Three credits; spring.

deHaas

175. *Trade of the Northwest*.—An intensive study of the resources and trade of the Pacific Northwest. Prerequisite, course 7. Two credits; autumn.

deHaas

176. *Trade of Australasia and Africa*.—An intensive study of the resources of Australia and New Zealand, and Africa as a basis for study of trade relations with America. Prerequisite, course 7. Two credits; winter. deHaas

177. *Trade of Europe*.—The resources of the European countries; trade of Europe with the world. Prerequisite, course 7. Three credits; spring. deHaas

178. *Trade of the Far East*.—An intensive study of the resources and trade of China, Japan, Siberia, the Philippines, French-Indo China, Siam, India, the Malay Peninsula and the Dutch East Indies. Prerequisite, course 7. Three credits, autumn. Skinner

179. *Trade of the Near East*.—A study of the present and potential resources of Turkey, Syria, Armenia, Mesopotamia, Arabia, Afghanistan, and Russian Turkestan, with a view to the prospect of American trade with these countries. Prerequisite, course 7. Three credits, winter. Skinner

180. *Trade of Latin America*.—A study of the products of Mexico and the Central and South American countries, with special consideration of their trade with the United States. Prerequisite, course 7. Three credits; spring. Skinner

182-183-184. *Commercial Teachers' Course*.—For those preparing for teaching positions in high schools. A study is made of texts, teaching methods, and of the subject matter of a commercial course for high schools. Prerequisite, courses 7, 81-82-83, 84-85-86, 100-101-102, 103, or their equivalent. The student must have senior standing. Two credits per quarter; beginning autumn. Turpin

187A, 187B, 187C. *Research in Secretarial Training*.—Two credits per quarter; autumn, winter, spring.

190B, 190C. *Research in Money and Banking*.—Two credits per quarter; autumn, winter, spring. Custis

191A, 191B, 191C. *Research in Accounting*.—Open only to seniors or graduate students in accounting. One to three credits per quarter, depending upon nature of investigation. Autumn, winter, spring. Cox

192A, 192B, 192C. *Research in Insurance*.—Two credits per quarter; autumn, winter, spring. Smith

193A, 193B, 193C. *Research in Transportation*.—Prerequisite; nine credits in Transportation. Two credits per quarter; autumn, winter, spring. Miller

194A, 194B, 194C. *Seminar in Labor*.—A research course in current labor problems of the Pacific Northwest. Two credits per quarter; autumn, winter, spring. McMahon

195A, 195B, 195C. *Research in Foreign Trade*.—Two credits per quarter; autumn, winter, spring. deHaas

196A, 196B, 196C. *Research in Industrial Management*.—Two credits per quarter; autumn, winter, spring. Douglas

197A. *Research in Trusts and Combinations*.—Two credits; autumn. Custis

198A, 198B, 198C. *Research in Marketing and Advertising*.—Three credits per quarter; autumn, winter, spring. Moriarty

199A, 199B, 199C. *Industrial Research*.—Three credits per quarter; autumn, winter, spring. Miller, Skinner

*Courses 200. Prerequisite, graduate standing.*

201A, 201B, 201C. *Seminar in Economics and Business Administration*.—Autumn, winter, spring. Credits depending on nature of investigation. Miller

## EDUCATION

*Home Economics Hall*

PROFESSOR BOLTON, ATER, COUNTS; ASSOCIATE PROFESSOR WOODY; ASSISTANT PROFESSORS FREEBLAND, JENSEN

Sociology and zoology as well as psychology are very desirable as a foundation for the study of education. The courses in principles of education and social foundations of education are fundamental to all other courses in education. Students should take psychology during the freshman or the sophomore year, and principles of education in either the last half of the sophomore year or the first half of the junior year. This should be followed by educational sociology, the high school curriculum, or childhood and adolescence and methods of teaching; practice teaching should be taken in the senior year. Students who major in the department should take all of the fundamental courses required for the normal diplomas and then select enough to total 36 credits in the department. Major students in education must take course 171, Experimental Education.

Psychology 1 is prerequisite to all courses in Education except Education 1. In exceptional cases Psychology 1 may be taken concurrently, but only on the approval of the dean of the College of Education.

The dean of the College of Education may accept as the equivalent of such a fundamental course in psychology the incidental psychological training which may have been received by experienced teachers, with the understanding that they are eventually to take psychology as part of the professional work.



## COURSES FOR UNDERGRADUATES

1. *How to Study*.—Following a consideration of how to study effectively, an attempt is made to help students to apply this knowledge in their work. Required of all freshmen in the College of Education. Elective for students of other colleges. Counted toward a major in education but not toward the normal diploma. Two credits; autumn, winter or spring. Freeland

75. *Principles of Education*.—An attempt to interpret the meaning of education, to understand human nature and to comprehend how environment may be utilized to promote the development of the individual and of society. Prerequisite, Psychology 1. Five credits; autumn, winter, spring, or summer. Bolton

85. *Educational Sociology I: Social Foundations*.—Introductory course treating social factors in the development of the individual and in school administration, and educational functions of typical social groups. Prerequisite, Psychology 1. Three credits; autumn, winter, spring, or summer. Ayer

95. *Childhood and Adolescence*.—A study of the characteristics of the child to reveal how education is conditioned upon successive stages of development; physical, mental and moral. Prerequisite, Psychology 1. Three credits; autumn, winter, or spring. Bolton

119. *High School Curriculum*.—Secondary school curricula and closely related problems. Prerequisite, upper division standing and 8 credits in education. Three credits; autumn, winter, spring or summer. Counts

140. *Methods of Teaching I*.—The application of psychology to high school instruction. Prerequisite, upper division standing and at least 8 credits in education. Three credits; autumn, winter, spring, or summer. Woody

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. Five credits; autumn, winter, or spring. Freeland

146. *Practice Teaching II*. A second quarter of practice teaching may be elected. Freeland

## COURSES FOR ADVANCED UNDERGRADUATES AND GRADUATES

To be admitted to the following group of courses students must be upper division students and have had at least 10 credits in education:

151. *Educational Sociology II: Cooperative Agencies.*—Evolution of the school curriculum with reference to social organization; the social and school survey; relation of the school to other educational agencies. Prerequisite, course 85. Three credits; spring. Ayer

154. *The Junior High School.*—History of the movement for reorganization and functions and relations of this new organization. Prerequisite, course 119. Two credits, winter. Counts

160. *Play in Education.*—The psychological and biological meaning of play; values and applications. Three credits; autumn. Freeland

161. *History of Education; Ancient and Medieval.*—Social interpretation of the historic beginnings of education, the contributions of the Greeks and Romans, the development of Christianity, medievalism, and the beginning of modern education. Three credits; autumn. Ayer

162. *History of Education; Modern.*—Development of educational practices since the Renaissance. The growth of democracy in and through education will be traced. European countries will be treated chiefly from the point of view of influence upon educational progress in the United States. Three credits; winter. Ayer

167. *Improvement of Teaching.*—This course is offered as a substitute for practice teaching for experienced teachers. (Also offered as a five-hour course in the summer.) Supervised teaching and self-supervision will be emphasized. Credits to be arranged; autumn, winter, or spring. Freeland

171. *Experimental Education.*—Designed to show the possibility and value of experimental work in education, to give first hand knowledge in the technique of properly conducting experiments in connection with school work. Three double periods per week. Required of all majors in College of Education. Laboratory fee, \$1. Three credits; autumn or winter. Woody

172. *Psychology of Common School Subjects.*—Survey of experimental studies which furnish the basis for current methods in reading, spelling, arithmetic, penmanship, language, etc., and their bearing. Three credits spring. Woody

173. *Psychology and Measurement of High School Subjects.*—Relation of psychology of the different subjects and measurement, desirable outcomes to be derived from each subject; psychological foundations for special school room practices such as direct teaching of languages, oral composition projects in science, etc; measurement of results of high school teaching involving the giving, scoring, and evaluating of such standardized tests as the Rugg Algebra Tests, Minnick Geometry Tests, Hermon Latin Tests, etc.,

Course especially devised for prospective teachers. Laboratory deposit of \$1. Three credits; spring. Woody

176-177. *Vocational Guidance*.—A study of the vocational guidance movement in the public schools. Two credits per quarter; winter, spring. Ayer

181-182-183. *Educational Problems of Adolescence*.—A critical consideration of the physical, intellectual, emotional, moral and social characteristics of adolescence, and the educative activities suited to the period of secondary school education. Two credits per quarter; autumn, winter, and spring. Bolton

185. *Educational Statistics*.—Statistics needed by the graduate student in conducting research or the teacher, principal, or superintendent in meeting the every day problems of the school room. An introduction to the course in educational measurements and other courses in which statistics are needed. Two credits; autumn. Woody

186-187. *Educational Measurements*.—Lectures, discussions, reading, class experiments, and projects. Primarily for experienced teachers, principals or those preparing for such positions. Prerequisite, course 185. Laboratory deposit, \$1. Two credits per quarter; winter and spring.

190. *Special Problems*.—A course for advanced undergraduates, especially majors in education, who wish preliminary training in individual research methods. Supervised by the instructor representing the special field selected. Credits to be arranged.

191. *Rural School Administration*.—A study of the problems of rural life and the adaptation of the educational system to rural needs with special attention to Washington and neighboring states. Three credits; winter. Counts

192. *Educational Administration; City Schools*.—For those preparing for superintendencies, principalships, and other supervisory positions, as well as those desiring an acquaintance with the large problems of city school administration. Five credits; autumn, spring. Counts

195-196-197. *Applied Principles of Education*.—An analysis of the various principles of education involved in particular educational processes. Especial emphasis upon the psychological principles and growth stages that should be recognized and followed in teaching school subjects. Two credits per quarter; autumn, winter, spring. Bolton

#### COURSES FOR GRADUATES ONLY

To be admitted to the following group of courses students must be college graduates and have at least 18 credits or an equivalent in education.

211-212-213. *Comparative Education*.—The critical study of modern educational organization and practice in foreign countries, especially in Germany, France, England, Norway, Sweden and Canada. Brief consideration of their development. Relations between social ideals of nations and their educational systems. Particular emphasis regarding their influence upon the development of the educational theories and practices in America. Two credits per quarter; autumn, winter, spring. Bolton

231-232-233. *Advanced Educational Psychology*.—A survey of the latest contributions to educational psychology, with especial emphasis upon the contributions of Thorndike. Two credits per quarter; autumn, winter, spring. Woody

261-262-263. *Seminar in Educational Sociology*.—A survey of recent contributions to educational sociology and study of special problems. Two credits per quarter; autumn, winter, spring. Ayer

271-272-273. *Seminar in Educational Surveys*.—The course will include a consideration of the purpose and method of the school survey and a study of the principles of educational practice exhibited in the reports of typical school surveys. Two credits per quarter; autumn, winter, and spring. Ayer

275-276-277. *Seminar in Secondary Education*.—A research course in the problems of high-school administration. Two credits per quarter; autumn, winter, spring. Counts

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.

#### SMITH-HUGHES COURSES IN TRADES AND INDUSTRIES

The following courses conforming to the methods of teaching trades and industries will be credited toward the bachelor's degree in education if all other requirements for admission and graduation are fulfilled:

3. *Industrial Education*.—The purpose, history, organization, and the promotion of industrial education and its articulation with the traditional school system, with industry and with the Smith-Hughes Law. The continuation school, prevocational school and vocational guidance. Three credits; autumn. Jensen

4. *Methods of Teaching Trades and Class Management*.—General principles of education that apply particularly to trade edu-

cation and methods in teaching trade subjects. Development of lesson plans as an outgrowth of the study of methods of trade teaching. (Thirty-six hours in class room.) Three credits; winter.

Jensen

5. *Trade Analysis and Teaching Program*.—Each member of the class will develop a teaching program or detailed course of study following the analysis of the trade that he expects to teach. (Thirty-six hours in class room.) Three credits; spring.

Jensen

6. *Practice Teaching in Trades and Industries*.—Practice teaching under conditions as nearly as possible like in their respective trades. (Thirty-six hours in class room.) Not a substitute for the regular required practice teaching, Education 145. Three credits; autumn, winter, or spring.

Jensen

## ELECTRICAL ENGINEERING

### *Engineering Hall*

PROFESSOR MAGNUSSON; ASSOCIATE PROFESSOR LOEW; ASSISTANT  
PROFESSORS KIRSTEN, CURTIS; INSTRUCTORS SHUCK, SPRARAGEN

99. *Direct Currents*.—Theory of the electric and magnetic circuits; construction, operation and characteristics of direct current generators and motors. Prerequisite, Physics 98. Four credits; autumn, winter, spring.

Loew, Shuck, Spraragen

100. *Direct Currents Laboratory*.—Laboratory work on direct current machinery. Prerequisite, Physics 98. Laboratory deposit, \$4. Two credits; autumn, winter, spring.

Shuck, Spraragen

103. *Direct Currents*.—Continuation of 99 in direct current machinery. Storage batteries. Regulation and control of direct current systems. To be taken in connection with E. E. 104. Prerequisite, E. E. 99. Five credits; autumn, winter, spring.

Kirsten, Spraragen, Shuck

104. *Direct Currents Laboratory*.—Experimental work on direct current dynamo machinery and on storage batteries. Prerequisite, E. E. 100. Laboratory deposit, \$4. Four credits; autumn, winter, spring.

Kirsten, Spraragen, Shuck

15. *Elementary Direct Currents*.—(Night Class). The 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. Laboratory deposit, \$6. Four credits per quarter.

Bessesen

20. *Elementary Alternating Currents*.—(Night Class). An introduction to alternating current theory with experimental work

on alternating current machinery. Prerequisite, E. E. 15. Laboratory deposit, \$6. Four credits per quarter. Bessesen

121. *Alternating Currents*.—A short course in alternating currents for non-electrical students. To be taken in connection with course 122. Prerequisite, E. E. 99. Four credits; autumn, winter, spring. Curtis, Shuck

122. *Alternating Currents Laboratory*.—Experimental work on alternating current machinery. Prerequisite, E. E. 100. Laboratory deposit, \$4. Two credits; autumn, winter, spring. Curtis, Shuck

131. *Telephones*.—Theory, construction and operation of telephone systems. Central telephone station practice. Junior or senior elective. Prerequisite, E. E. 99, 100. Three credits; autumn, spring. Curtis

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. Laboratory deposit, \$2. Three credits. Curtis

141. *Electric Lighting*.—Electric lamps; commercial photometry; adaptation of electric lighting to commercial requirements. Junior or senior elective. Prerequisite, E. E. 99, 100. Laboratory deposit, \$2. Four credits; winter. Spraragen

151. *Electrical Machine Design*.—Complete design of one direct current generator or motor. Prerequisite, E. E. 103, 104. Five credits; autumn, winter, spring. Kirsten, Loew

152. *Design of Electrical Apparatus*.—Switchboards, transformers, alternators or alternating current motors. Prerequisite, E. E. 151. Four credits. Kirsten, Loew

161. *Alternating Currents*.—The theory of singlephase and polyphase system; energy storage in magnetic and dielectric fields; vector diagrams and the symbolic method of analysis; power factor and power measurements; hysteresis and eddy currents; theory of the transformer, singlephase and polyphase induction motors and alternators. Prerequisite, E. E. 103. Five credits; autumn, winter, spring. Magnusson, Loew, Shuck

162. *Alternating Currents Laboratory*.—Experimental work with alternating current machinery. Prerequisite, E. E. 104. To be taken in connection with course 161. Laboratory deposit, \$4. Four credits; autumn, winter, spring. Curtis, Loew, Shuck

163. *Alternating Currents*.—The theory of 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. Five credits; Laboratory deposit, \$4. Five credits per quarter; winter. Curtis

164. *Alternating Current Laboratory*.—Prerequisite, E. E. 162. Laboratory deposit, \$4. Autumn, winter, spring. Curtis, Loew

170. *Electric Railways*.—Equipment, roadbed, construction and operation. Prerequisite, E. E. 99, 100. Four credits; autumn. Curtis

174. *Central Stations*.—Location, design and operation of electric central stations. Prerequisite, E. E. 161, 162. Three credits; spring. Shuck

176. *Power Transmission*.—Theory, design and operation of electric power transmission lines. Prerequisite, E. E. 163, 164. Four credits; winter. Kirsten

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, calculus, physics, and direct and alternating currents. autumn, winter, spring. Magnusson, Loew

195. *Thesis*.—After consultation with the head of the department each 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. Five credits; autumn, winter, spring. Magnusson, Loew, Kirsten, Curtis

196. *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; lighting phenomena. Prerequisite, E. E. 161, 162. Laboratory deposit, \$2. Three credits; autumn, winter, spring. Magnusson

197. *Electric Transients Laboratory*.—To be taken in connection with course 196. Prerequisite, E. E. 161, 162. Laboratory deposit, \$2. Two credits; autumn, winter, spring. Magnusson, Curtis

200, 201, 202. *Research*.—Five credits per quarter; autumn, winter, spring. Magnusson, Loew, Kirsten, Curtis

## ENGLISH

Denny Hall

PROFESSORS PADELFORD, PARRINGTON, BENHAM; ASSOCIATE PROFESSORS MILLIMAN, COX;  
 ASSISTANT PROFESSORS GARRET, DARDY, CHITTICK, HARRISON, ERNST; INSTRUCTORS  
 GREGG; ASSOCIATES HAGGETT, KELSEY, STRUBLE; ASSISTANTS THOMAS,  
 DAHLIN, BROWN, KAHN, WRIGHT, WILT, HUGHES, COLLINS, SLOVER

## REQUIREMENTS FOR MAJOR STUDENTS

At the conclusion of the course in their senior year, all major students are required to pass a departmental examination in the history of English literature and literary criticism.

Candidates for the teacher's certificate are required to take 188-189-190.

It is expected that senior major students will take 191-192-193, but the work is not a definite prescription.

1-2-3. *Freshman 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. Padelford in charge

4. *Freshman Composition*.—For students in Engineering, Forestry and Fisheries. Students are required to repeat the course if their work is not of high quality. Three credits for one quarter. Padelford in charge

5. *Freshman Composition*.—A second quarter's work for students in Fisheries. Three credits per quarter. Padelford in charge

7-8-9. *Freshman Composition and Literature*.—A course combining practice in writing with the study of modern authors. Primarily for students intending to major in English. Five credits; autumn, winter, spring. Gregg, Ernst.

\*21. *An Introduction to Poetry*.—Three credits; autumn.

Parrington

24-25-26. *Victorian Essayists*.—A study of the Victorian background of contemporary thought as found in the prose work of Macauley, Herbert Spencer, J. S. Mill, Newman, Carlyle, Ruskin, Arnold, Huxley, Morris, Pater, Stevenson. Two credits per quarter; autumn, winter, spring. Chittick

37. *Argumentation*.—Prerequisite, course 1. Five credits; autumn.

38. *Debating*.—Prerequisite, course 37. Three credits; winter.



39. *Debating*.—Prerequisite, course 38. Three credits; spring.

40-41. *Development of the Oration*.—A study of the oration as a distinct type of literature. Analysis of modern orations, and the development of original orations. Two credits per quarter; winter, spring.

51-52-53. *Advanced Composition*.—Composition based upon model English and American essays. Prerequisite, courses 1-2-3.

Three credits per quarter; autumn, winter, spring. Milliman, Cox

57-58-59. *Dramatic Composition*.—(Dramatic Art 111-112-113. See Dramatic Art for description.) Three credits per quarter; autumn, winter, spring. Hughes

\*61-62-63. *Versification*.—A study of the principles of English versification, with practice in verse writing. Prerequisite, courses 1-2-3 or 7-8-9. Two credits per quarter; autumn, winter, spring.

Parrington

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 per quarter; autumn, winter, spring. Milliman

70-71-72. *Shakespeare*.—A detailed study of a few plays, with rapid reading of the remainder. Open any quarter. Three credits per quarter; autumn, winter, spring.

73-74-75. *Introduction to Modern 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. Open any quarter. Three or five credits; autumn, winter, spring. Milliman, Darby, Chittick, Ernst

81-82-83. *Literature of the English Colonies*.—The autumn quarter will be devoted to the study of the literature of Canada, the winter quarter to the literature of Australasia and of South Africa, and the spring quarter to the English literature of India. Two credits per quarter; autumn, winter, spring. Garrett

98-99-100. *The Bible as Literature*.—A study of the literature of the Old Testament. Open any quarter and to all students. Two credits per quarter; autumn, winter, spring. Padelford

101-102-103. *The Short Story*.—(Journalism 160-161-162.) (See Journalism for description.)

104-105-106. *Contemporary Literature*.—Special studies in temporary literature for advanced students. One section is held in

the evening, and is especially addressed to teachers and other part time students. Three credits per quarter; autumn, winter, spring.  
Chittick, Cox

108-109-110. *Studies in Romance*.—A study of transmission and diffusion of stories. A certain number of literary motifs which are popular today are traced through various lands and ages and their manifestations are observed. Two credits per quarter; autumn, winter, spring.  
Garrett

123. *Philosophy in English Literature of the Nineteenth Century*.—(Philosophy 123. See Philosophy for description.) Savery

124. *Chaucer*.—A study of the poetical works of Chaucer. Three credits; autumn quarter.  
Garrett

125. *Mediaeval Literature*.—The life and the ideals of the Middle Ages studied through the literature. Some of the texts read are Piers Plowman, Aucassin and Nicolette, Little Flowers of St. Francis, the Pearl, Everyman, Malony's Morte l'Arthur. Three credits; winter quarter.  
Garrett

126. *The Mediaeval Revival in English Literature*.—The revival of interest in mediaeval life and literature will be traced through Walpole, Scott, Carlyle, Ruskin, the Pre-Raphaelites, William Morris, to the present day. Three credits; spring quarter.  
Garrett

127-128-129. *Milton and His Age*.—The historical background of Milton's poetry and prose. Three credits per quarter; autumn, winter, spring.  
Benham

130-131-132. *The English Drama*.—A study of plays representative of the origin and development of English drama. Three credits per quarter; autumn, winter, spring.  
Benham

133-134-135. *Main Tendencies in English Literature*.—A study in English national ideals, with consideration of significant literary figures and works. Three credits per quarter; autumn, winter, spring.  
Parrington

136-137-138. *Shakespeare*.—Shakespeare's environment and the technique and influence of his plays. For upper division students. Three credits; autumn, winter, spring.  
Darby

141-142-143. *Growth of the Democratic Ideal in English Literature*.—A study of the development of political and religious ideals from the age of Chaucer to the present. Three credits per quarter; autumn, winter, spring.  
Gregg

144-145-146. *Eighteenth Century Literature*.—The conflict of classical and romantic tendencies in English and Continental literature. Three credits per quarter; autumn, winter, spring. Ernst

147-148-149. *The English Novel*.—The genesis of the novel; its relations to drama, essay and letter. Study of plot, characterization and social background. Three credits; autumn, winter, spring.  
Darby

150-151-152. *Old and Middle English Language and Literature*.—The grammar of the early English. Readings in Old and Middle English authors. Three credits per quarter; autumn, winter, spring.  
Benham

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. Any quarter may be taken separately. Three credits per quarter; autumn, winter, spring.  
Parrington, Gregg

164-165-166. *American Literature from the Year 1870 to the Year 1914*. The autumn quarter deals with Whitman, Mark Twain and the Post New England group; the winter quarter, with Howells and the rise of realism; the spring quarter, with late tendencies in fiction and poetry. Three credits per quarter; autumn, winter, spring.  
Parrington

167-168-169. *Present Day Tendencies in American Literature*.—An advanced course open only to those who secure the consent of the instructor in charge. Two credit per quarter; autumn, winter, spring.  
Parrington

171-172-173. *Romantic Poets*.—The background, technique and ideas of Wordsworth, Shelley and their contemporaries. Three credits; autumn, winter, spring.  
Darby

174-175-176. *Victorian Poets*.—Studies in Clough, Arnold, Morris, Swinburne, the Rossettis, Tennyson, the Brownings. Three credits per quarter; autumn, winter, spring.  
Padelford

183-184-185. *General Literature*.—Readings in European literature, with conferences and reports. Three credits per quarter; autumn, winter, spring.  
Harrison, Cox

\*187. *Philosophy in Contemporary Drama*.—(Philosophy 126.) Social and philosophical ideas in the contemporary drama. Five credits; spring.  
Benham

188-189-190. *Teachers' Course*.—Methods and problems in the teaching of English in the high school. Two credits per quarter; autumn, winter, spring.  
Garrett

191-192-193. *Senior Conference*.—For senior major students. Individual conferences for the purpose of effecting a correlation of

studies, and for guidance in original investigation. Each student is expected to meet the instructor once a week in conference. One-third credit per quarter; autumn, winter, spring. Harrison

\*201-202-203. *English Literature from 1550 to 1660*.—For graduates. Padelford

\*204-205-206. *Chaucer*.—For graduates. Garrett

207-208-209. *English Literature from Chaucer to Dryden*.—Studies in English Renaissance and Reformation and in the Puritan Revolution. Methods of historical research and criticism. Editing. Two to eight credits per quarter; autumn, winter, spring. Benham

221-222-223. *Modern English Literature*.—For graduates. Studies in modern English and American literature from the mid-nineteenth century period to the present day. Two to eight credits per quarter; autumn, winter, spring. Chittick

\*224-225-226. *American Literature*.—For graduates. Parrington

\*227-228-229. *Literary Criticism*. For graduates. Cox

## FISHERIES

*Fisheries Hall*

PROFESSORS COBB, KINCAID, EMBODY; INSTRUCTOR ANDERSON

1-2. *Introduction to Fisheries*.—A general review and history of the world's fisheries. Two credits per quarter; autumn, winter. Cobb

3-4-5. *Ichthyology*.—The structure, classification and habits of economic fishes. Course 5 will also include other economic marine animals. Prerequisite, Zoology 1, 2. Laboratory deposit, \$2. Five credits per quarter; autumn, winter, spring.

Kincaid, Anderson

6. *Pacific Fisheries*.—A general review and history of the fisheries of the Pacific. Winter quarter is open to short course students. Two credits; winter, spring. Cobb

101-102-103. *Fish Culture*.—The developmental history and artificial propagation of economic fishes. Prerequisite, Fisheries 3-5, and Zoology 5. Laboratory deposit, \$2. Five credits per quarter; autumn, winter, spring. Embody

104-105. *Fishery Methods*.—The construction and uses of apparatus; handling and transportation of products, etc. These lectures and two laboratory periods. Laboratory deposit, \$2. Five credits; winter, spring. Cobb

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\*Not offered in 1920-1921.

106. *Preparation of Fishery Products.*—The curing and preservation of fishery products. Prerequisite, Fisheries 3-5. Three lectures and two laboratory periods. Laboratory deposit, \$3. Five credits; autumn. Cobb, Anderson

107, 108, 109. *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 course 5, will be assigned special topics to be worked upon under the direction of one of the instructors. Five credits per quarter; autumn, winter, spring. Embody, Kincaid

110, 111, 112. *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 per quarter; autumn, winter, spring. Cobb

112-113. *Shellfish Culture.*—The development and propagation of shellfish and crustaceans. Elective. Prerequisites, junior standing and course 5. Laboratory deposit, \$2. Five credits per quarter; autumn, winter.

114. *Terrapin, Turtle, Frog, Etc., Culture.*—The developmental history and propagation of terrapins, turtles, frogs, etc. Elective. Prerequisite, course 5. Laboratory deposit, \$2. Five credits; spring.

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. Cobb

117. *Diseases of Fish.*—A study of the nature and causes of disease in fishes. Prerequisite, Fisheries 3-4-5. Laboratory deposit, \$2. Five credits; autumn. Fasten

#### SHORT COURSE SUBJECTS

7. *The Canning of Fishery Products.*—The theory and practice of canning, together with demonstrations on such species as are available. Laboratory deposit, \$3. Cobb, Anderson

8. *The Curing of Fishery Products.*—The pickling, dry-salting, smoking and spicing of fishery products, together with demonstrations on such products as are available. Laboratory deposit, \$2. Cobb, and others

9. *Scotch and other Methods of Curing Herrings.*—Laboratory deposit, \$2. Anderson

10.—*Classification, Habits, etc., of Pacific Economic Aquatic Species.* Kincaid

12. *Fish Culture*.—The culture of salmon and other aquatic fishes. Laboratory deposit, \$2. Embody

13. *Pond Culture*.—The construction and maintenance of fish ponds, the stocking of these with suitable species, and the raising of same for either home use or market. Laboratory deposit, \$2. Embody

## FORESTRY AND LUMBERING

### *Forestry Hall*

PROFESSORS WINKENWERDER, KIRKLAND; ASSOCIATE PROFESSOR CLARK  
ASSISTANT PROFESSOR GRÖNDAL; MR. ZIMMERMAN

1. *Elementary Dendrology*.—Nomenclature and classification of trees, a study of one type species of each genus of the important timber trees of North America. Prerequisite, high school botany. Required of freshmen. Two recitations, four laboratory periods per week, field trips additional. Laboratory deposit, \$1. Five credits; autumn or spring. Winkenwerder, Gröndal

2-3. *General Forestry*.—To familiarize the student with the field of work he is about to enter. Required of freshmen. Three credits per quarter; autumn, 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 six apply. Two lectures per week; demonstrations and practice work additional. Laboratory deposit, \$1. Two credits; autumn. Clark

51-52. *Forest Mensuration*.—Principles and methods of computing, scaling, estimating, mapping, volume, growth and yield tables. Required of sophomores. Three recitations, two three-hour laboratory periods. Laboratory deposit, \$3. Five credits per quarter; winter and spring. Winkenwerder, Clark

53. *Construction*.—Trails, roads, logging railroads, telephone lines, wooden bridges, cabins, barns, and fences; clearings from the standpoint of U. S. Forest Service improvement work, and logging construction. Required of sophomores. Laboratory deposit, \$1. Three credits; autumn. Clark

57-58. *Silviculture*.—The individual tree, the forest as a whole, and cultural practices. Required of sophomores. Laboratory deposit, \$2 for course 58. Three credits, autumn; five credits, spring. Kirkland

101. *Wood Technology*.—Wood structure, leading to identification of the commercial timbers of the U. S.; physical properties of woods. Each student is required to prepare permanent microscopic mounts of fifty species. Required of juniors. Prerequisite, college botany, 8 hours. Laboratory deposit, \$2. Five credits; autumn. Gröndal

102. *Wood Identification*.—This course includes the laboratory work only of Forestry 101. Open to students in other departments. Prerequisite, college botany, 8 hours. Laboratory deposit, \$2. Two credits; autumn. Gröndal

103. *Wood Analysis*.—Identification, physical properties and characteristics of woods used in building construction. For juniors in architecture. Two credits. Gröndal

104. *Timber Testing*.—Stresses, tests, theory of flexure, moisture and strength; mechanical properties of wood. Prerequisite, Math. 54, 55, 56, and Forestry 101. Required of juniors. Laboratory deposit, \$1. Five credits; spring. Zimmerman

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, Forestry 101 and one year of chemistry. Laboratory deposit, \$2. Five credits; spring. Gröndal

109. *General Forestry*.—Lectures, assigned readings, and reports. Occasional field trips. Offered only to students not enrolled in the College of Forestry, and may be taken at the University or as an extension course by correspondence. Two credits; autumn. Winkenwerder

110. *Characteristics of Trees*.—The identification, distribution, life habits, and uses of trees of the Pacific Northwest. Offered only to students not enrolled in the College of Forestry, and may be taken at the University or as an extension course by correspondence. Two lectures weekly and occasional field trips. Two credits; spring. Winkenwerder

111. *Teachers' Course*.—Offered only as a correspondence course. Must be accompanied or preceded by Forestry 109. One credit. Winkenwerder

112. *Properties and Uses of Woods*.—Offered only as a correspondence course. Gröndal

119. *Forest Administration*.—Objects, principles, and methods of administering private and public forests. Prerequisite, Forestry 126. Three credits; autumn. Kirkland

120. *National Forest Administration*.—National Forest land regulations, protection, fiscal matters, improvement. Three credits; winter. Kirkland

126. *Forest Economics*.—The forests of the United States, their uses, their relation to industries and resources. Required of juniors or seniors in forestry and open to students in other departments. Prerequisite, B. A. 1. Two credits; winter. Kirkland

151-152. *Forest Management*.—Forest finance, organization, methods of silviculture, administration. Required of students in senior or graduate year. Prerequisites, Forestry 51-52, 57-58. Five credits, autumn; three credits, spring. Kirkland

153. *General Lumbering*.—Comparative methods of logging on the Pacific Coast and in other lumbering regions of the United States. Required of seniors and graduates. Prerequisites, Forestry 51-52. Five credits; autumn. Clark

158. *Forest Utilization*.—Paper making, wood distillation, tanbark, naval stores, and other secondary forest products; lumber and its economic uses in construction. Required of juniors and graduates. Prerequisites, Forestry 101, and one year in chemistry. Five credits; winter. Gröndal

159. *Scientific Management*.—Fundamental principles of scientific management, with special reference to the lumber industry. Given in alternate years, not in 1920-1921. Two credits; autumn. Kirkland

183. *Milling*.—The sawmill; yard arrangements; practical operation. For seniors and graduates. Five credits; autumn. Gröndal

184. *Marketing*.—Territorial consideration, technical trade requirements, problems of wholesaler and retailer, line yards, rail and cargo problems, financing, accounting, advertising. Three credits; winter. Gröndal

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 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, Forestry 51, 52, 53, 153. Laboratory deposit for 187, \$2. Four credits per quarter, autumn and winter; sixteen credits, spring. Clark

188. *Advanced Forest Products*.—Advanced studies in wood technology and utilization, with individual problems. A laboratory



course. Prerequisite, Forestry 101, 158. Laboratory deposit, \$3. Five credits; spring. Gröndal

201. *Advanced Dendrology*.—An extension of course 1, covering the identification and distribution of all important commercial tree species of the United States. Prerequisite, Forestry 1. Three credits; autumn. Winkenwerder

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. Two credits per quarter; autumn, winter.

Winkenwerder, Kirkland, Gröndal

213-214. *Research*.—Two credits per quarter, any quarter. Prerequisite, senior or graduate standing. Laboratory deposit, \$3. Instructors assigned according to nature of work.

221. *Forest History and Policy*.—Forest policy of the United States; forestry in the states and island possessions; the rise of forestry abroad. Two credits; winter. 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 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, courses 151-152. Eight credits; spring. Kirkland

## GEOLOGY

Science Hall

PROFESSOR LANDES; ASSOCIATE PROFESSOR WEAVER; ASSISTANT  
PROFESSORS SAUNDERS, GOODSPEED

Courses in the department are grouped to lead into the different fields of geographical 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, 220-229.

Paleontology and Stratigraphy: Courses 30-39, 139, 230-239.

For the required earth science in the College of Science: Courses 1-2, 12-2, 11- and 12; or one quarter with laboratory work, together with one quarter of astronomy.

For the third year of Science in the College of Liberal Arts: Any of the elementary courses to make the required number of credits: Courses 1-2, 3-4, 6-7-8, 11-12, 12-2, 10-2, 31-32.

1. *General Geology*.—Dynamical and Structural. Geological agencies and processes affecting the earth. Lectures and laboratory work, with occasional half-day field trips. Laboratory deposit, \$1. 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, 1, 5, or 12. Laboratory deposit, \$1. Five credits; autumn, winter or spring. Saunders or Weaver
3. *Principles of Geology*.—Dynamical and Structural. The fundamental facts and principles of geology. Lectures, assigned readings and field trips but no laboratory work. Three credits; autumn. Saunders
4. *Principles of Geology*.—Historical. The earth's origin and the general history of the continent. Lectures, recitations and field trips, without laboratory work. Three credits; winter. Saunders
5. *Engineering Geology*.—A survey of the field of general geology, for the special needs of students in mining, civil, and chemical engineering and forestry. Laboratory deposit, \$1. Five credits; autumn or spring. Goodspeed
6. *Elements of Geology*.—Structural. The common minerals and rocks, of the composition and arrangement of the materials constituting the crust of the earth. Lectures and recitations, with field trips. Two credits; autumn. Landes
7. *Elements of Geology*.—Dynamical. Physiographic geology, or a study of the dynamical forces at work in modifying the face of the earth. Lectures and recitations, with field trips. Two credits; winter. Landes
8. *Elements of Geology*.—Historical. An outline of the origin of the earth and the evolution of the continent. Lectures and recitations, with field trips. Two credits; spring. Landes
10. *Modern Geography*.—An 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. Laboratory deposit, \$1. Three to 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. Laboratory deposit, \$1. Three or five credits; spring. Saunders

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. Laboratory deposit, \$3. Five credits; winter. Goodspeed

31. *General Paleontology*.—A consideration of the broad principles of paleontology. An elementary course open to all students. Laboratory deposit, \$1. Five or three credits; autumn. Weaver

32. *Stratigraphic Paleontology*.—A study of the fundamental principles of stratigraphy and of the characteristic fossils by means of which the geologic formations of the continent may be determined. Prerequisites, courses 1 or 2, 12 or 31. Laboratory deposit, \$1. Five or three credits; winter. Weaver

107. *Geology of Washington*.—Lectures with assigned readings and laboratory study. Prerequisite, one quarter of general geology or physiography. Two credits; spring. Landes

110. *Teachers' Course in Geography*.—The teaching of geography, physical geography, and commercial geography in the schools. Prerequisites, one term in geology, physiography and geography. Two credits; winter. Saunders

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. Prerequisite, courses 10 or 11. Three credits; spring. Saunders

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, courses 10 or 12, or 1, 3, or 5. Laboratory deposit, \$1. Three credits; autumn. Saunders

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, courses 10 or 12 or 1, 3 or 5. Laboratory deposit, \$1. Three credits; winter. Saunders

114. *Oceanography*.—Study of the ocean, oceanic circulation and temperatures in their geographic relations and influence. Prerequisite, course 11 or equivalent work. Two credits; spring. Saunders

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, course 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, course 10 or 12.

Saunders

120. *Petrology*.—A study of rocks, their components, occurrence and structural relations. Occasional field trips. Laboratory deposit, \$2. Prerequisite, courses 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 "mineralography"; The relation of the latter to geologic, mining and metallurgical problems. Prerequisite, course 21. Three credits; spring.

Goodspeed

122. *Field Methods*.—Principles and methods of geologic surveying and mapping. Detailed field work in small areas, with field trips. Prerequisite, courses 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, courses 1 or 5, and 21. Laboratory deposit, \$2. Three credits; autumn.

Goodspeed

124. *Petrography*.—The principles of petrography and petrographic methods in the systematic study of igneous, sedimentary and metamorphic rocks. Prerequisite, course 123. Laboratory deposit, \$2. Four credits; winter.

Goodspeed

125. *Advanced Petrography*.—A continuation of the work in petrography for majors in mining and geology. Prerequisite, course 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. Prerequisites, courses 1 to 5, and 21. Three credits; autumn.

Landes

127. *Economic Geology*.—Economic deposits of metal, their production and use. Lectures and discussion of papers. Prerequisite, course 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, course 126 or 127. Two credits; spring. Landes

131-132. *Invertebrate Paleontology*.—A detailed and systematic biologic study of fossil and living representatives of the Mollusca. Autumn quarter, Pelecypoda; winter quarter, Gastropoda. Prerequisite, course 31. Three credits; autumn, winter. Weaver

134. *Vertebrate Paleontology*.—A study of the anatomy and structures of the more important groups of extinct vertebrates and their relationships to living vertebrates. Prerequisite, course 31. Five credits; spring. Weaver

135. *Paleobotany*.—A systematic biologic study of the structure and classification of the plant life which formerly inhabited the earth, and the application of paleobotany to correlation problems in historical geology. Prerequisite, Botany 11-12 or 105-106 and Geology 2 or 31. Five credits; spring. Weaver

#### 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.

#### SPECIAL SHORT COURSES

S. C. 1. *Geology*.—Two lectures per week. Laboratory deposit, \$1. Two credits; winter. Goodspeed

S. C. 2. *Mineralogy*.—A laboratory course is physical determination of minerals and the use of blowpipe methods. Two laboratory periods per week. Laboratory deposit, \$2. Two credits; winter. Goodspeed

#### GERMANIC LANGUAGES AND LITERATURE

Denny Hall

ASSISTANT PROFESSOR ECKELMAN

#### REQUIREMENTS OF THE DEPARTMENT

For a major: 35 to 60 credits, including at least 30 credits in courses above 100.

For the normal diploma: The same as for a major, including course 160-161-162.

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 pronunciations, grammar, reading of easy prose and verse, conversation. Five credits per quarter; autumn and winter, winter and spring. Eckelman and Assistants

3. *First Year Reading*.—Reading of modern prose, conversation, composition, continuation of grammar. Prerequisite, course 1-2 or one year in high school. Five credits per quarter; autumn, spring. Eckelman and Assistants

5. *Second Year Reading*.—Pronunciation, review of grammar with emphasis on syntax, reading of modern prose, simple conversation. Prerequisite, course 3 or one and one-half to two years high school. Three credits, autumn; five credits, winter.

Eckelman and Assistants

6. *Second Year Rapid Reading*.—Special sections with suitable prose for students in colleges of Science, Engineering and Forestry. Prerequisite, course 5 to two and one-half to three years high school. Three credits; spring. Assistant

10. *Second Year Supplementary Reading*.—Modern prose, simple conversation. Prerequisite as for course 5. Two credits; autumn. Eckelman

70-71. *Modern German Literature in Translation*.—The reading and discussion of significant works illustrating the social and industrial development in the nineteenth century. No knowledge of German required. Two credits; winter and spring. Eckelman

\*100-102. *Schiller and Goethe*.

103-104-105. *Recent Writers*.—Social problems as represented in the works of Hauptmann, Sudermann, Fulda, Schnitzler, Paul Ernst. Prerequisite, courses 6 or 7, or four years high school. Three credits; winter, spring. Eckelman

\*110-111. *Advanced Grammar and Composition*.

112-113-114. *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. Prerequisite, course 5 or two to two and one-half years in high school. Two or three credits per quarter; autumn, winter, spring. Eckelman

\*116-117-118. *German Prose Reading*.

\*120. *Phonetics*.

\*130-131-132. *German Institutions*.

\*133-134-135. *Modern Novels*.

\*136-137-138. *Modern Drama*.

\*140-141. *History of German Literature.*

142. *Lyrics and Ballads.*—Goethe, Schiller, the Romanticists, Uhland, Heine, Moerike, Storm and others. Two credits; autumn.  
Eckelman

\*151. *Lessing.*

152. *Goethe's Faust.*—*Parts I and II.*—Interpretation, genesis, plan and purpose of the drama. Three credits; winter.  
Eckelman

\*160-161. *Teachers' Course.*

180. *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; spring  
Eckelman

\*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.*

\*253-254-255. *Middle High German.*

\*256-257-258. *Gothic.*

\*259. *Old Saxon.*

## HISTORY

Denny Hall

PROFESSORS MEANY, RICHARDSON, SCHOLZ; ASSOCIATE PROFESSOR McMAHON; ASSISTANT  
PROFESSOR —————; PROFESSOR GOWEN

### REQUIREMENTS OF THE DEPARTMENT

The University requirements in history may be satisfied by one of the following courses:

History of Europe and the Near East (1-2-3). It is desirable that this course be selected in fulfillment of the history requirements and that it be taken in the freshman year. This course is repeated beginning with the winter quarter.

History of the United States (57-58-59). Primarily for sophomores.

English Political and Social History (5-6). Open without prerequisites to freshmen, sophomores and upper classmen.

Ancient History (71-72-73). Open without prerequisites to sophomores and upperclassmen.

For a major at least nine credits shall be obtained in the most advanced undergraduate courses. Course 1-2-3 is required of all history majors.

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\* Not offered in 1920-1921

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.

1-2-3. *History of Europe and the Near East.*—A general survey from the Roman world empire of Augustus to our own times. Three credits per quarter; autumn, winter and spring quarters.

Scholz and ———

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 per quarter. (By performance of special work under direction of the instructor upper division students may receive upper division credit.) Autumn, winter.

Richardson

21-22. *History of China.*—From the earliest time to the present. Three credits per quarter; autumn and winter.

Gowen

23. *History of Japan.*—Three credits per quarter; spring.

Gowen

57-58-59. *History of the United States.*—A general survey with emphasis upon political history. Not open to freshmen. Three credits per quarter; autumn, winter and spring.

McMahon

60-61-62. *Makers of the Nation.*—American history through the biographies of prominent characters. Not open to freshmen. Two credits per quarter; autumn, winter and spring.

Meany

71-72-73. *Ancient History.*—A survey during the first quarter to about 400-387 B. C., during the second quarter to the death of Augustus, during the third quarter to Justinian. Not open to freshmen. Three credits per quarter; autumn, winter and spring.

Scholz

105-106-107. *English Constitutional History.*—The development of the legal and governmental institutions of the English people.



ple to the present time. A course valuable for students of political science and law as well as history. Prerequisite, 5-6, except for upper division students who are majoring in economics, sociology and political science, or who are taking courses 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 courses 5-6 are *required* to take course 108-109-110. Three credits per quarter; autumn, winter and spring. Richardson

108-109-110. *English Political History*.—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 per quarter; autumn, winter, spring. Richardson

\*114-115-116. *Renaissance and Reformation*.—(Given 1919-1920; omitted 1920-1921.) Richardson

\*117-118-119. *France from the Reformation to the French Revolution*.—(Given 1919-1920; omitted 1920-1921.)

121-122-123. *Prussia and Northern Europe*.—This course deals with Sweden as a great power, its rise, progress and decline; the rise of Russia and Prussia; the partition of Poland; and the beginnings of the Eastern Question. Special attention is paid to the economic, political and military development of the Prussian state from its foundation through the reign of Frederick the Great. Prerequisite, course 1-2-3. Two credits per quarter; autumn, winter, spring. (Omitted 1919-1920; given 1920-1921.)

126-127-128. *England Since the Accession of George III*.—The development of recent English institutions and of social reform, foreign relations and the British "Commonwealth of Nations" from 1760 to the present time. Prerequisite, 1-2-3 or 5-6-7. Two credits per quarter; autumn, winter, spring. ———

129. *The French Revolution and Napoleonic Era*.—Prerequisite, 1-2-3. Three credits; autumn. ———

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, 1-2. Three credits; winter. ———

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, 1-2-3, or upper division standing. Not open to freshmen. Five credits; spring. Richardson and ———

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\* Not offered in 1920-1921.

139. *The Southern Colonies*.—Open only to juniors, seniors and graduates. Three credits; autumn. McMahon

140. *The New England Colonies*.—Open only to juniors, seniors and graduates. Three credits; winter. McMahon

141. *American Revolution*.—Open only to juniors, seniors and graduates. Three credits; spring. McMahon

\*143-144-145. *History of the United States*.—Three credits. McMahon

147. *History of the Civil War Period*.—Open only to juniors, seniors and graduates. Three credits per quarter; autumn. McMahon

148. *History of the Reconstruction Period*.—Open only to juniors, seniors and graduates. Three credits per 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 courses 57-58-59. Five credits per quarter; spring. McMahon

153. *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 per quarter; autumn. Open to juniors, seniors and graduates. Meany

154. *Development of the Pacific*.—History of the countries bordering upon the Pacific Ocean with especial reference to recent changes. Open to juniors, seniors and graduates. Three credits per quarter; winter. Meany

155. *History of Canada*.—Canadian development to the present time. Open to juniors, seniors and graduates. Three credits per quarter; spring. Meany

157-158-159. *History of American Diplomacy*.—American relations with foreign powers from colonial times to the present. Open to juniors, seniors and graduates. Two credits per quarter; autumn, winter and 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 per quarter; autumn, winter and spring. Meany

\*171-172-173. *Hellenism*.—The spread and transformation of Greek civilization from its beginning to the fall of Constantinople

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\* Not offered in 1920-1921

(1453 A. D.). Open to juniors, seniors and graduates. Two credits per quarter; autumn, winter and spring. Scholz

\*175. *Ancient Imperialism*.—Two credits. Scholz

\*176. *History of Ancient Law*.—Two credits. Scholz

196-197. *Methods of Teaching History*.—Required of advanced students who expect to teach history. Two credits per quarter; autumn, winter. McMahon

201-202-203. *Historical Criticism and Historiography*.—Two credits per quarter; autumn, winter and spring. Scholz

215-216-217. *Seminar in English History*.—A graduate course which lays more stress upon the constitutional than upon the political side of the subject. The course will deal with topics in the Tudor and Stuart period and with the antecedents of the Puritan Revolution. Two to four credits per quarter; autumn, winter and spring. Richardson

221-222-223. *Seminar in American History*.—Two credits per quarter; autumn, winter and spring. McMahon

227-228-229. *Seminar in State History*.—Two credits per quarter; autumn, winter and spring. Meany

## HOME ECONOMICS

### *Home Economics Hall*

PROFESSOR RAITT; ASSISTANT PROFESSORS DENNY, PATTY, AMERY, KOHN; INSTRUCTORS DRESSLER, LUSBY

(For curricula in Home Economics see College of Science Bulletin)

1-2-3. *General Course*.—This course is planned for those students who will elect no other work in this department. It will include consideration of the selection, decoration and furnishing of the home; textiles and clothing; cookery and meal planning. Laboratory deposit, \$4. Three credits per quarter; autumn, winter, spring. Denny, Dressler

4. *Foods: Principles and Practice of Food Preparation*.—Prerequisite or parallel, Chemistry 3. Laboratory deposit, \$4. Three credits; spring. Dressler

5-6. *Foods: Selection and Preparation*.—Continuation of course 4. Prerequisite or parallel with course 6; course 4, or two years' high school domestic science, or equivalent, Chemistry 5-6, Physiology 7. Laboratory deposit, \$6. Five credits per quarter; autumn, winter, spring. Dresslar

8. *Clothing: Principles of Hand and Machine Sewing*.—Materials, design, and construction. Study of factory made garments.

\* Not offered in 1920-1921.

Problem, garment making. Laboratory deposit, \$1. Three credits; winter. Denny

*11-12. Needlework.*—History of tapestry, lace and needlecraft. Application of principles of design to modern needlework. Problems: Marking of household linens, decorative stitches, fine mending. Consult instructor before electing. Prerequisite course 8. Laboratory deposit, \$1. Two credits per quarter; autumn, spring.

*\*20. Laundering and Dyeing.*

*25. Textiles.*—Fabrics and fibers; economic phases of textile industry. Laboratory deposit, \$2. Five credits per quarter; autumn, winter or spring. Denny

*27. Non-Textiles.*—A study of merchandise from non-textile sources, such as leather, rubbers, paper and metals. Raw materials, sources of supply, manufacture, methods of judging. A classification of departmental stock. Three credits; winter. Denny

*32. Economics of Clothing.*—Materials, designs, simple dress-making. Laboratory deposit \$2. Two credits; autumn, winter. Patty

*43. Housewifery.*—Selection, sanitation and care of the equipment and material of the household. Three credits; autumn, spring. Amery

*101-102. Clothing: Selection and Construction.*—Patterns, fitting, simple tailoring, construction of dresses. Prerequisite, course 8, or two years' high school clothing. Laboratory deposit, \$2. Five credits; autumn, winter, spring. Patty

*103. Foods: Comparative Studies of Food Materials and Cooking Processes.*—Prerequisite, course 5-6. Laboratory deposit, \$4. Three credits per quarter; spring. Dresslar

*105-106. Nutrition: Elementary Dietetics.*—Functions and nutritive value of food. Diet for the sick. For those who wish to obtain a practical knowledge of nutrition as part of a liberal education but who are not preparing to teach the subject. Prerequisite or parallel, course 4, Chemistry 5-6, Zoölogy 7. Laboratory deposit, \$3. Four credits; winter, spring. Raitt

*107-108. Nutrition: Dietetics.*—Principles of human nutrition. Diet for the sick. Prerequisites, course 5-6, Chemistry 144. Laboratory deposit, \$3. Four credits; autumn, winter. Riatt

*110. Nutrition.*—The development of the science of nutrition. Original sources; library research. Prerequisite, course 107. Three credits; spring. Raitt

*\*119. Methods for Training Teachers of Part Time Classes in Vocational Home Economics.*

121. *Large Quantity Cookery*.—Preparation of food in large quantities for cafeterias, tea rooms, dormitories, hospitals and camps. Laboratory practice. Laboratory deposit, \$4. Three credits.

122. *Buying and Dietaries*.—Marketing, buying, institution equipment and supplies. Planning menus for dormitories, hospitals, cafeterias and tea rooms. 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. Three credits; spring. Raftt

124. *Practice Work I*.—At least nine hours per week spent in the different departments of the University Commons and university dormitories, under supervision of the instructor in charge. Conferences, service in food preparation. Three credits; autumn, winter, or spring.

125. *Practice Work II*.—Eight hours' work off the campus among the following: Tea rooms, cafeterias, school lunch rooms, hospitals. Conferences, services in food preparation. Three credits; autumn, winter, or spring.

130. *Clothing; Dressmaking*.—Designing and draping on the form, practice in dress construction, and a study of trade conditions. Prerequisite, course 101, Fine Arts III, 170-171. Laboratory deposit, \$3. Six credits; spring. Patty.

\*133. *Clothing: Costume and Design*.—Development of fashion from ancient times to the present with emphasis upon the best art periods. Prerequisite, Fine Arts III, 170-171. Laboratory deposit, \$5. Five credits; spring. Patty

135. *Clothing: Millinery*.—The making and covering of frames, fitting and trimming of hats and a study of trade methods and materials. Prerequisite, course 8, Fine Arts III, 3. Laboratory deposit, \$4. Three credits; autumn. Patty

143. *Home Furnishing*.—Application of structural art principles to choice and arrangement of household furnishings. Prerequisite, Fine Arts III, 2. Laboratory deposit, \$1.50. Autumn or spring. Denny

144-145. *Household Management*.—Organization of the household and application of the principles of scientific management. Prerequisite, courses 5-6, 101-102, 107 or 106, 143, Fine Arts II, Physics 89-90. Three credits; autumn, winter. Raftt

146-147. *Teachers' Course*.—Curricula, methods of teaching and equipment. Prerequisite, courses 5-6, 107, 101-102, 145, 144; Fine Arts II, 1; Physics 89-90; Bacteriology 101. Three credits; autumn, winter. Raftt, Denny

109. *Critical Writing*.—Book reviewing and dramatic criticism; study of successful theatrical stories and reviews of books, practical assignments. Three credits per quarter; spring.

Spencer

120-121-122. *Copy Reading*.—Copy reading, headline writing and general desk work; discussion of theory and style in news presentation; laboratory work in every writing department of a daily paper, actual copy of the Associated Press and the United Press being used. Required in the junior year of all majors in journalism. Laboratory fee, \$2. Three credits per quarter; autumn, winter, spring.

Casey

130. *Function of Newspaper Advertising*.—The advertising department; selling white space; advertising ethics; relation of the newspaper to advertising agencies. Laboratory fee, \$2. Three credits per quarter; autumn.

131. *Display Advertising*.—Study of successful advertisements; preparation of copy; instruction in types and layouts; retail advertising problems. Laboratory fee, \$2. Prerequisite, Journalism 130. Three credits per quarter; winter.

132. *General Publicity*.—Relation of news-column publicity to display advertising; publicity work of corporations; publicity work in municipal and public service movements; sequence copy and follow-up methods; capitalizing advertising success. Prerequisite, Journalism 131. Laboratory fee, \$2. Three credits per quarter; spring.

133-134-135. *Advertising Typography*.—Type families; application of type; advertising type units; type problems. Required of majors specializing in advertising. Laboratory fee, \$2. Two credits per quarter; autumn, winter, spring.

Kennedy

136-137. *Comparative Journalism*.—Comparison of American, Canadian, and foreign newspapers in makeup, news presentation, and editorial policy. Laboratory fee, \$2. Two credits per quarter; autumn, winter.

Casey

138-139. *History of Journalism*.—Study of the problems of newspaper editing and publishing in the light of their origin and development; history of American journalism. Required of all majors in journalism. Two credits per quarter; winter, spring.

Spencer

140-141-142. *The Business Office (I)*.—Cost finding, estimating, and simplified accounting for newspaper plants; selling commercial printing; business office management. Required for graduation of all majors in journalism. Laboratory fee, \$2. Two credits per quarter; autumn, winter, spring.

Kennedy

143-144-145. *The Business Office (II)*.—Creative methods in the business office; business office administration; business correspondence; analysis of typography and type harmony; labor and machine conservation; apprenticeship problems; practical training in the journalism laboratory. Designed for those looking forward to management or ownership of newspapers or printing plants. Two credits per quarter; autumn, winter, spring. Kennedy

150-151. *Editorial Writing*.—Theory and practice of interpreting current news by means of the editorial; human interest editorials; daily assignments. Required for graduation of all majors in journalism. Two credits per quarter; winter, spring. Spencer

153. *Editorial Policy*.—Study of the rights, duties, and power of the press, its morals and its part in community, state, and national life; policies that have made and unmade papers; present press tendencies. Required for graduation of all majors in journalism. Two credits per quarter; autumn. Spencer

160-161-162. *Trade Journalism*.—Trade news and publicity methods; study of trade journals, trade journal policies, and class publications. Laboratory fee, \$2. Three credits per quarter; autumn, winter, spring.

170-171-172. *Magazine and Feature Writing*.—Practice in writing special articles for magazines and newspapers; study of current magazines and newspaper supplements; syndicate stories. Feature articles are written at regular intervals and are graded according to their probable market value. Laboratory fee, \$2. Two credits per quarter; autumn, winter, spring. Edgington

173-174-175. *The Short Story*.—Critical appreciation of the short story; extensive readings. Stories are written at regular intervals and graded according to their probable marketability. Laboratory fee, \$2. Three credits per quarter; autumn, winter, spring. Edgington

188. *Teachers' Course*.—Methods and problems of teaching news writing in the high school. Two credits per quarter; winter. Spencer

200. *Senior Conference*.—Practical newspaper problems; summary of all departments of newspaper work. One quarter required of all majors in journalism. One credit per quarter; autumn, winter, spring. Journalism Faculty

ance, partnership and corporation, with special lectures as to the statutory regulations. Three credits per quarter; autumn, winter and spring. Ayer

158. *Mining Law*.—A series of lectures on the mining laws of the United States and Alaska; illustrated by diagrams and mine maps. Two credits; winter. O'Bryan

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NOTE.—Fifteen hours or credits in each quarter are required, making a minimum total of 135 hours or credits for completion of the law course.

Students are limited to fifteen hours per quarter, except upon special permission of the dean.

## LIBRARY SCIENCE

### Library

PROFESSOR HENRY; ASSOCIATE PROFESSOR SMITH; INSTRUCTORS HOWE, SPENCER, STANLEY

101. *Order Accession and Circulation*.—In this course the routine of ordering, receiving, checking, accessioning and mechanical preparation of books and elements of trade bibliography are treated. Also loan administration, covering charging systems, registration of borrowers, circulation of books and circulation records are dealt with. Two credits; autumn. Howe, Stanley

102 *Classification and Subject Headings*.—The work in classification is mainly a study of the decimal system. An exercise in classifying selected books follows each lecture with later revision, correction and discussion. Other classification systems are briefly described. Under subject-headings lectures and practice work with selected books are given. Three credits; autumn. Spencer

103-104. *Cataloguing*.—The course in cataloguing, including book numbers, shelf-listing, alphabeting and name lists consists of lectures, recitations and practice work selected as illustrative examples of rules given in class. The A. L. A. rules are used as a basis for study. Three credits per quarter; winter and spring. Spencer

105-106-207. *Reference*.—The purpose of these courses is to give a working knowledge of important types of reference books and to develop the power of research. Lectures cover books and methods. Practical problems are assigned and worked out. These courses include also the work with government documents. Two credits per quarter; autumn, winter, spring. Smith

208. *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. Smith

109-110--211-212-213. *Practice*.—Each student is expected to do approximately one hour of practice or laboratory work un-



der expert personal supervision for each class period of instruction 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 six hours per week for five quarters or twelve hours per week for thirty weeks. Twelve credits; winter and spring quarters of senior year; autumn, winter, and spring of graduate year.

214. *Books and Libraries*.—Lectures, readings and reports on the evolution of the book and the library. One credit; autumn.

Henry

215-216. *Library Organization and Extension*.—In this course such subjects are treated as legalization 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. One credit, autumn; two credits, winter.

Henry

116-217-218-219. *Book Selection*.—Designed to cultivate taste and judgment in the evaluation of books through a study of the principles of book selection, annotation and book reviewing. One credit; winter quarter of senior year; two credits per quarter, autumn, winter, spring of graduate year.

Howe

220. *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 the 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. Two credits: spring.

Henry

221. *Work with Children and Schools*.—This course is planned to meet the needs of general library assistants and librarians in charge of small libraries. It 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.

Howe

222. *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.

223. *Study of a Selected Public Library*.—Each student is assigned to make a study of some specific public library reasonably near Seattle, and write a report upon its general policy and plans of organization, extension and administration. One credit; spring.

Henry

## MATHEMATICS

Science Hall

PROFESSOR MORITZ; ASSOCIATE PROFESSOR CARPENTER; ASSISTANT PROFESSORS GAVETT  
WINGER, NEIRIKK, BELL; INSTRUCTORS SMAL, WEST; ASSOCIATE MULLEMEISTER

## REQUIREMENTS OF THE DEPARTMENT

For a major in mathematics, 36 credits, including courses 5 and 9.

Candidates for the normal diploma must complete course 127 (teachers' course) in addition to the major requirement.

Candidates who are not majors in mathematics but wish to teach mathematics 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) in their freshman year.

1. *Advanced Algebra*.—Algebra from quadratics on. Prerequisite, one year of high school algebra. Five credits; autumn, winter. Bell (a), Carpenter (w), ——— (s)

2. *Solid Geometry*.—Prerequisite, one year of plane geometry. Five credits; winter, spring. ——— —(w), Bell (s)

4. *Plane Trigonometry*.—For students in the Colleges of Liberal Arts, Science, Education, Fisheries, Law, and Pharmacy. Prerequisites, one year of algebra and one year of geometry. Five credits; each quarter.

5. *College Algebra*.—Prerequisite, course 1 or one and one-half years high school algebra. Five credits; winter.

Winger, Mullemeister

6. *Analytical Geometry*.—Primarily for students in the College of Science. Prerequisite, courses 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 per quarter; autumn, winter, spring.

13. *Elements of Statistical Methods*.—Data obtained by observation, enumeration or estimate, and their application to inter-

preting social or natural phenomena. Prerequisite, one year algebra, one year plane geometry. Five credits; each quarter. Gavett

51. *Algebra and Trigonometry*.—Primarily for students in the Colleges of Engineering and Mines. Prerequisite, one and one-half years algebra, one year plane geometry. Three credits; each quarter.

52. *Trigonometry and Analytical Geometry*.—Primarily for students in the Colleges of Engineering and Mines. Prerequisite, course 51. Three credits; each quarter.

53. *Analytical Geometry*.—Primarily for students in the Colleges of Engineering and Mines. Prerequisite, course 52. Three 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 per quarter; autumn, winter and spring. Gavett

57-58-59. *Mathematics for Architects*.—Algebra through quadratic equations and plane trigonometry through solution 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 credits per quarter; autumn, winter, spring. Gavett

61-62-63. *Calculus*.—Primarily for students in the Colleges of Engineering and Mines. Prerequisite, courses 2 and 53. Three credits per quarter; autumn, winter, spring.

101. *Spherical Trigonometry, with Applications*.—Prerequisite, course 2 and 4. Two credits; autumn. Smail

102-103. *Solid Analytical Geometry*.—Prerequisite, course 8 or 63. Two credits per quarter; winter, spring. Smail

107-108-109. *Calculus*.—Elements of differential and integral calculus, primarily for students in the College of Science. Prerequisite, course 6. Five credits per quarter; autumn, winter, spring. Moritz

111-112-113. *Introduction to Applied Mathematics*.—For students of science. Line, surface, volume integrals. 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 Coordinator, 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 en-

able 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 hours per week. Bell

*114-115-116. Ordinary and Partial Differential Equations.*—With applications to problems in physics, chemistry, astronomy, and engineering. Prerequisite, course 108 or 63. Two credits per quarter; autumn, winter, spring. Neikirk

*117-118-119. Projective Geometry.*—An analytic treatment. The relation of projective to metric geometry is emphasized. Prerequisite, course 8 or 61. Two credits per quarter; autumn, winter, spring. Winger

*121-122-123. Higher Plane Curves.*—The projective properties of algebraic curves. Prerequisite, course 8 or 61. Two credits per quarter; autumn, winter, spring. Winger

*\*124-125-126. Real Variables.* Smail

*127. Teachers' Course.*—Required of those who make mathematics their major study and who are applicants for the teachers' certificate. Prerequisite, course 109. Five credits; autumn. Winger

*\*130-131-132. Vector Analysis.*

*151-152-153. Mathematics of Insurance.*—Mathematical principles underlying life insurance. Construction and graduation of life tables. Computation of life annuities and life insurance. Various forms of policies and their premiums. Calculation of reserves. Survivorship and joint life policies and premiums. Prerequisite, one year of college mathematics or course 12. Three credits per quarter; autumn, winter, spring. Moritz

*161-162-163. Analytical Mechanics.*—Prerequisite, course 109. Two credits per quarter; autumn, winter, spring. Moritz

*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. Prerequisite, courses 119 and 116. Three credits per quarter; autumn, winter, spring. Carpenter

*\*204-205-206. Modern Algebra.*

*207-208-209. Infinite Series.*—Prerequisite, courses 5 and 9. Two credits per quarter; autumn, winter, spring. Smail

*\*211-212-213. Foundations of Mathematics.*

*\*214-215-216. Complex Variable.*

\*217-218-219. *Elliptic and Theta Functions.*

251-252-253. *Mathematical Journal and Research Club.*—Meets on the second Thursday of each month in Science Hall, room 2, 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.

## MECHANICAL ENGINEERING

### *Engineering Hall*

PROFESSOR EASTWOOD; ASSOCIATE PROFESSORS WILSON, WINSLOW;  
INSTRUCTORS MCINTYRE, BEATTIE, KANE

1, 2, 3. *Woodwork.*—Bench work; cabinet work; pattern making. Laboratory deposit, \$2. One credit per quarter; autumn, winter, spring. Beattie

4. *Woodwork.*—Mine timber framing. Prerequisite, Mining 50. Laboratory deposit, \$2. One credit; spring. Daniels, Beattie

53, 54, 55. *Metalwork.*—Foundry; forge; machine work. Laboratory deposit, \$2. One credit per quarter; autumn, winter, spring. Kane

81. *Mechanism.*—The 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

82. *Steam Engineering.*—The various forms of steam apparatus used in modern steam plants; their construction, use, and reason for their installation. Not open to freshmen. Prerequisite, C. E. 2. Three credits; autumn, winter, or spring. Eastwood, Winslow

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. Laboratory deposit, \$2. Three credits; autumn, winter, spring. Wilson

90, 91. *Machine Design.*—The design of machine details. Preceded or accompanied by M. E. 81. Prerequisite, C. E. 2. Three credits per quarter; autumn, winter or spring. McIntyre

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\*Not offered in 1920-1921.

101, 102, 103. *Machine Design*.—The design of hoisting and pumping machinery; special machines. Prerequisite, M. E. 90, C. E. 131, 132. Three credits per quarter; autumn, winter, spring.

Winslow

105, 106, 107. *Metalwork*.—Advanced machine shop practice. Prerequisite, M. E. 55. Laboratory deposit, \$2. One credit per quarter; autumn, winter, spring.

Kane

108. *Metalwork*.—Manual arts for teachers. Prerequisite, M. E. 107. One credit; autumn, winter, or spring.

Beattie

109. *Woodwork*.—Manual arts for teachers. Prerequisite, M. E. 3. One credit; autumn.

Beattie

115. *Machine Design*.—Special problems in the design of chemical machinery. Prerequisite, M. E. 90, C. E. 131. Three credits; autumn.

Winslow

123, 124, 125. *Engines and Boilers*.—The generation and use of steam in various types of boilers and engines. Three lectures per week first quarter; one lecture and six laboratory periods per week second and third quarter. Prerequisite, M. E. 82, 91, C. E. 131. Three credits per quarter; autumn, winter, spring.

Winslow

151-152-153. *Experimental Engineering*.—A continuation of M. E. 83, involving more extended and complete investigations. Prerequisite, M. E. 83. Laboratory deposit, \$2. Three credits per quarter; autumn, winter, spring.

Wilson

167. *Engineering Materials*.—The 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 engineers. Laboratory deposit, \$2. Three credits; spring.

Winslow

179. *Steam Turbines*.—The theory, construction and design of steam turbines. Prerequisite, M. E. 82. Three credits; autumn.

Eastwood

182. *Heating and Ventilation*.—The various systems of heating and ventilating, methods or design and tests. Prerequisite, M. E. 82. Three credits; winter.

Eastwood

183. *Thermodynamics and Refrigeration*.—The 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*.—The design of steam power plants, involving their location, buildings, prime movers, power transmission, etc. Prerequisite, M. E. 123, 83. Three credits; spring.

Eastwood

185, 186, 187. *Naval Architecture*.—The theory of naval architecture, as pertains to displacement, stability and strength, and the usual calculations involved in construction. Not open to freshmen. Three credits per 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 per quarter; autumn and winter.

Eastwood

190. *Marine Engineering*.—The power plant equipment of ships, including boilers, engines, auxiliaries and propellers. Prerequisite, M. E. 82, 185. Three credits; spring.

Eastwood

198. *Gas Engineering*.—The development of gas engineering, including stationary, marine, automobile and airplane motors, and gas producer plants. Prerequisite, M. E. 82. Three credits; winter.

Wilson

199. *Gas Engine Design*.—Calculations and plans for the design of a given type of motor. Prerequisite, M. E. 198. Three credits; spring.

Wilson

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 per quarter.

Eastwood, Wilson

## MILITARY SCIENCE AND TACTICS

### *The Armory*

COLONEL PHILLIPS; CAPTAIN FRAZER; CAPTAIN BÉTOIER; CAPTAIN MEREDITH; SERGEANTS THOMAS, KOONTZ, PETERS, AND KENT

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. Two of these units have been established in this University, an Infantry Unit and a Coast Artillery Unit, 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.

Much of the instruction and mental development acquired by the student from his regular college course is of the highest importance in his preparation to perform the duties of a military officer. This has been kept in mind in outlining the schedules of instruction and training for the several R. O. T. C. units to the extent of restricting such schedules to subjects essentially military and which are not generally included in the curricula leading to graduation. It is evident, however, that in certain cases, there will be subjects requisite to his proper preparation for military duty which may not be included in the student's regular course for graduation. As to such subjects the University has authorized their listing as University electives whenever they are not included in the student's required subjects. To meet these requirements, the student desiring to complete the R. O. T. C. courses must present recorded collegiate credits in each such subject.

The following courses are listed as electives required under the conditions stated:

*Infantry Unit.*—Algebra, Math. 51 - Trigonometry, Math. 52 - Analytical Geometry, Math. 53 - Surveying, C. E. 21.

*Coast Artillery Unit.*—Algebra, Math. 51 - Trigonometry, Math. 52 - Analytical Geometry, Math. 53 - Engineering Problems, C. E. 11-12-13, Surveying, C. E. 21 - Calculus, Math. 61-62 - Heat, Light, Electricity, Physics 97-98-99 - Higher Surveying, C. E. 23.

These courses may be taken by the student at his convenience except that Surveying, C. E. 21, is prerequisite to higher surveying, C. E. 23.

Military History and Policy of the United States, Special Course, Department of History, and Military Law, Special Course, School of Law, must be registered for by the student taking fourth year's course R. O. T. C. for the second and third quarters respectively and with the respective departments named.

With the foregoing exceptions, 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

Two credits per quarter

## BASIC COURSE—ALL UNITS

1-2-3. *Practical*.—Schools of soldier, squad, platoon and company. Close and extended order drill. Interior Guard Duty, First Aid, Small Arms Firing and Bayonet Exercises. Five hours per week.

Summer Basic Camp—optional after completion of first year's course.

## SECOND YEAR

Two credits per quarter.

## BASIC COURSE—ALL UNITS

51-52-53. *Practical*.—Infantry. Close and extended order drill. Ceremonies. Three hours per week.

54-55. *Theoretical*.—Infantry Drill Regulations, first and second quarters. One hour per week.

56. *Theoretical*.—Interior Guard Duty, third quarter. One hour per week.

## SPECIAL COURSE—INFANTRY

61-62. *Bayonet, Automatic Rifle, Grenades, 37-mm. Gun, Light Mortar and Machine Gun*.—First and second quarters. One hour per week.

63. *Theoretical*.—Musketry, third quarter. One hour per week.

## SPECIAL COURSE—COAST ARTILLERY

71-72-73 *Coast Artillery Material*.—One hour per week.

## THIRD YEAR

Three credits per quarter.

## BASIC COURSE—ALL UNITS

101. *Company Administration*.—First quarter, one hour per week.

102. *Field Engineering*.—First quarter, one hour per week.

103. *Combat, I. D. R.*.—Second quarter, one hour per week.

104. *Field Service Regulations*.—Second quarter, one hour per week.

105. *Minor Tactics*.—Third quarter, two hours per week.

## SPECIAL COURSE—INFANTRY

111-112-113. *Practical*.—Close and extended order drill. Ceremonies. Three hours per week.

## SPECIAL COURSE—COAST ARTILLERY

126. *Material*.—First quarter, one hour per week.

127. *Ballistics*.—First quarter, two hours per week.

128. *Gunnery*.—Second quarter, three hours per week.

129. *Theoretical*.—C. A. Drill Regulations, third quarter, one hour per week.

130. *Practical*.—C. A. Drill, third quarter, 1 hour per week.

*Summer Advanced Camp*.—Optional after completion of third year course. Required of all under contract for Advanced Course; requisite for commission.

## FOURTH YEAR

Three credits per quarter

## BASIC COURSE—ALL UNITS

151. *Minor Tactics*.—First quarter, two hours per week.

152. *Military History and Policy, U. S.*.—Second quarter, 1 hour per week.

153. *Military Law*.—Third quarter, one hour per week.

## SPECIAL COURSE—INFANTRY

161-162-163. *Practical*.—Close and extended order drill. ceremonies. Three hour per week.

164-165. *Tactical Walks*.—Second and third quarters, one hour per week.

## SPECIAL COURSE—COAST ARTILLERY

171-172-173. *Practical, Coast Artillery Drill*.—One hour per week.

174. *Organization of Artillery*.—First quarter, one hour per week.

175. *Ordnance*.—Second quarter, two hours per week.

176. *Tactical Problems, Artillery*.—Third quarter, two hours per week.

## MINING, METALLURGY AND CERAMICS

*Mines Hall*

PROFESSOR ROBERTS; ASSOCIATE PROFESSOR DANIELS; ASSISTANT

PROFESSORS COREY, WILSON; LECTURERS, GLENN, POWELL;

ASSISTANTS SCHONING, BIRD, MERRILL, GLASSER

## I. MINING

20. *Mine Timbering*.—Materials and methods used in timbering shafts, tunnels, and drifts in hard and soft ground. One lecture. One credit; winter. Daniels

21. *Mine Timber Framing*.—Shop practice in framing mine timbers. One laboratory period. Laboratory deposit, \$2. One credit; spring. Daniels

51. *Elements of Mining*.—A general study of the field of mining, considering prospecting, boring, drilling, explosives, rock breaking, methods of development and working, transportation and drainage. Prerequisite, sophomore standing. Three recitations. Three credits; autumn. Daniels

101. *Milling*.—A 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 laboratory period. Laboratory deposit, \$3. Three credits; autumn. Roberts, Daniels

103. *Mine Rescue Training*.—Twenty-five hours of instruction. Practice in the care and use of oxygen rescue apparatus, 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

106. *Mining Excursion*.—A two-weeks excursion 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. Three credits; spring. Roberts, Daniels, Corey

120. *Coal Resources of North America*.—The occurrence 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. Daniels

122. *Coal Mining Methods*.—Prospecting and development. A 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 and operation, mining costs, power generation, air

compression, hoisting and transportation. Practice with air compressors, machine drills, and mine equipment in laboratories and local plants. Prerequisite, senior standing. Three recitations, one laboratory period and excursions. Laboratory deposit, \$3. Five credits; autumn. Roberts

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 deposit, \$5. Five credits; spring.

Roberts, Daniels

153. *Thesis Outline*.—The outlining of senior thesis, the gathering of material, study of references, making of drawings, maps, etc. See also Min. 154-155. Prerequisite, senior or graduate standing. One laboratory period. One credit; autumn.

Roberts, Daniels, Corey.

154, 155. *Thesis*.—A continuation of course 153. Weekly consultation and seminars. Prerequisite, course 153. A deposit of \$5 or \$10 will be required to cover cost of materials and equipment in thesis work involving the use of mining or metallurgical equipment. Two laboratory periods. Two credits per quarter; winter and spring.

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*.—An advanced study of mining methods. 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 studied. Prerequisite, senior mining standing. Three recitations. Three credits; spring.

Roberts

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 laboratory periods. Laboratory deposit \$5. Five credits; winter.  
Daniels

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*.—The organization and administration of engineering plants, involving 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

211, 212, 213, 214. *Graduate Thesis*.—Preparation of a thesis in mining engineering, metallurgy or ceramics. Prerequisite, graduate standing. A deposit 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.  
Roberts

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 which may be applied to the solution of problems in the coal mining industry such as a 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.  
Daniels

251, 252, 253. *Coal Preparation*.—An 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. Daniels

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 especial attention. Prerequisite, graduate standing. Hours and credits to be arranged. Daniels

## II. METALLURGY

101. *Fire Assaying*.—The testing of reagents, the crushing, sampling and assaying of ores, furnace and mill products. Prerequisite, Chemistry 111. One recitation and three laboratory periods. Laboratory deposit, \$20. Five credits; autumn. Corey, Glenn, Merrill

102. *General Metallurgy*.—The properties of metals and alloys, fuels, refractory materials; furnaces; and the extraction of the common metals from their ores. Visits to smelters. Prerequisite, junior standing. Three recitations and two laboratory periods. Laboratory deposit, \$10. Five credits; spring. Corey

103. *Metallurgical Fuels*.—The analysis of fuels and a consideration of the most effective utilization of the country's present supplies. Prerequisite, junior standing. Two recitations and one laboratory period. Laboratory deposit, \$5. Three credits; winter. Daniels

104. *Copper and Lead*.—The metallurgy of copper and lead, especially the methods of roasting, smelting and refining. Prerequisite, junior standing. Three recitations and one laboratory period. Laboratory deposit \$5. Four credits; autumn. Corey

151. *Gold and Silver*.—Amalgamation, cyaniding and chlorination of gold and silver ores. Prerequisite, course 102. Three recitations. Three credits; spring. Corey

153. *Wet Assaying*.—Technical methods for the determination of copper, lead, zinc, etc., in ores and furnace products. For students in ceramics, the analysis of clays and ceramic products. Prerequisite, course Met. 102, Chemistry 111. One recitation and two laboratory periods. Laboratory deposit, \$12. Three credits; winter. Corey

155. *Iron and Steel*.—The metallurgy and manufacture of commercial iron and steel, with especial reference to their properties and uses in engineering work. Prerequisite, junior standing. Three recitations. Three credits; autumn. Daniels

157. *Design of Plant*.—The 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*.—The metallurgy of zinc, antimony, tin, aluminum, nickel, etc.; a study of the plant required, the methods and costs of treatment. Three credits; spring. Corey

160. *Metallurgical Analysis*.—Technical methods of analysis of slags and industrial products. Prerequisite, Met. 153. Two laboratory periods. Laboratory deposit, \$12. Two credits; spring. Corey

162. *Metallography*.—The constitution and microstructure of metals and alloys, especially iron and steel. Prerequisite, senior standing. Two recitations. Two credits; autumn. Corey

163. *Metallography*.—The preparation and study of metal sections, photomicrography and the use of the microscope in testing industrial alloys. Two laboratory periods. Laboratory deposit, \$5. Two credits; winter. Corey

165. *Metallurgy Calculations*.—Physical chemistry for the metallurgist, slag calculations, etc., illustrated by figures quoted from the present practice at a number of smelting plants. Prerequisite, senior standing. Two credits; winter. Corey

166. *Electro-Metallurgy*.—A 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*.—A 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. *Electro-Metallurgy*.—The application of electro-chemical and electro-metallurgical knowledge to the solution of the particular problems of the Pacific Northwest. Prerequisite, graduate standing. Hours and credits to be arranged. Corey

### III. CERAMICS

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

100. *Ceramic Products*.—Principles governing the shaping of structural, refractory and fine ceramic wares. Prerequisite, Ceramics 90. Three lectures. Three credits; autumn. Wilson

101. *Drying and Burning.*—The principles of drying and burning; the operation and control of commercial dryers and kilns. Prerequisite, Ceramics 100. Three lectures and recitations. Three credits; winter. Wilson

102. *Ceramic Decoration.*—The preparation and characteristics of vapor, natural clay slip, raw lead, bristol, terra cotta, porcelain and fritted glazes, bright and mat, with methods of coloring. Prerequisite, Ceramics 101. Three lectures and recitations. Three credits; spring. Wilson

104, 105. *Ceramic Calculations.*—The chemistry and physics of preparing, drying and firing ceramic materials. Problems involved in standard methods of testing clays. The blending of raw materials for ceramic bodies and glazes. Prerequisite, Ceramics 90. Three recitations. Three credits; autumn and winter. Wilson

110. *Ceramic Physical-Chemical Measurements.*—Laboratory testing of clays and other ceramic materials. Determination of fineness of grain, shrinkage, porosity and specific gravity; the study of plasticity, bonding power, vitrification and fusion, chemical purification and action of colloids. Prerequisite, Ceramics 105. Laboratory deposit, \$5 per quarter. Two laboratory periods and two recitations. Four credits; spring. Wilson

120, 121, 122. *Ceramic Products Laboratory.*—Laboratory production of structural wares, stoneware, yellow ware, porcelain and refractories. Practice in blending of ceramic materials, molding, drying, firing and glazing ceramic products. Prerequisite, Ceramics 101. Laboratory deposit, \$5 per quarter. Three laboratory periods and two recitations. Five credits per quarter; autumn, winter, and spring. Wilson

125, 126, 127. *Ceramic Plant Design.*—Design of ceramic plants. Arrangement of machinery and construction of storage bins, dryers and kilns. Prerequisite, Ceramics 101. Two laboratory periods and one recitation. Three credits; autumn, winter, and spring. Wilson

130, 131, 132. *Ceramic Thesis.*—An original investigation, bearing principally on the ceramic problems of the Pacific Northwest. Laboratory deposit, \$5 to \$10 per quarter. Laboratory and conference. Two credits, autumn; three credits, winter and spring. Wilson

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. Wilson

150. *Lime, Plasters and Cements.*—The 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. Wilson



160. *Glass Technology*.—Theory and factory practice of glass manufacture. Prerequisite, Ceramics 105. Two lectures and recitations. Two credits; autumn. Wilson

170. *Metal Enamels*.—Theory and practice of metal enameling. Prerequisite, Ceramics 105. Two lectures and recitations. Two credits; autumn. Wilson

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. Wilson

231, 232, 233. *Ceramics 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

#### IV. MINING AND METALLURGICAL RESEARCH

THE TECHNICAL STAFF OF THE UNITED STATES BUREAU OF MINES SEATTLE EXPERIMENT 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.
2. Ceramics.
3. Electrometallurgy.

#### MUSIC

Meany Hall

PROFESSOR GLEN; ASSISTANT PROFESSORS WOOD, ROSEN, VENINO, DICKEY; INSTRUCTORS VAN OGLE, FRENCH, ADAMS, KIBOHNER; ASSISTANT FERRYMAN

1-2-3. *Music Appreciation*.—This course is 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 per 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 per quarter; autumn, winter, spring. Glen, 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 per quarter; autumn, winter, spring. Dickey, Wilson

\*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; autumn or winter. Glen

14-15-16. *Ear Training and Melody Writing*.—Principles of melodic invention and training in hearing accurately; study in notation. Two credits per quarter; autumn, winter, spring.

Dickey, Wilson

14D. *Ear Training*.—An intensive course for qualified students. Equivalent to courses 14-15-16. Five credits per quarter; autumn. French

17. *Choral Study*.—Part songs for men's voices. Candidates admitted only upon examination. Two credits; autumn. Glen

31-32-33. *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 per 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 per quarter.

Piano—Venino, Van Ogle, Ferryman

Violin—Rosen

Voice—Glen, \_\_\_\_\_

Violoncello—Kirchner

Pipe Organ—Wood

19-20-21. *University Orchestra*.—The University orchestra affords to qualified students an unusual opportunity for the

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\*Only those who have successfully completed the work in course 11 will be eligible for registration in course 12.

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 per quarter; autumn, winter, spring.

Glen

22-23-24. *University Band*.—Competent players of band instruments are admitted to the band upon consent of the bandmaster. Two credits per quarter; autumn, winter, spring.

Adams

25-26-27. *Chamber Music*.—Advanced study of the musical literature for string trios, quartets and quintets. One credit per quarter; autumn, winter, spring.

Rosen

28-29-30. *Ensemble Singing*.—A choral course for women. Only advanced students will be admitted. One credit per quarter; autumn, winter, spring.

Glen

34-35-36. *Voice Training*.—A course presenting the principles of correct breathing and tone production essential to good singing. Two credits per quarter; autumn, winter, spring.

51-52-53. *Harmony*.—Ear training, analysis, and keyboard practice. Prerequisite, courses 7-8-9 and 14-15-16. Three credits per quarter; autumn, winter, spring.

Wood, French

51D-52D. *Harmony*.—An intensive course for qualified students. Equivalent to courses 51-52-53. Five credits per quarter; winter and spring.

French

54-55-56. *School Music*.—A course for supervisors. Two credits per quarter; autumn, winter, spring.

Dickey

101-102-103. *Advanced Harmony*.—Prerequisite, courses 51-52-53. Three credits per quarter; autumn, winter, spring.

Wood

104-105-106. *History of Music, Advanced*.—A detailed study of important periods and composers of modern music. Two credits per quarter; autumn, winter, spring.

Van Ogle

107-108-109. *Counterpoint*.—Prerequisite, courses 51-52-53. Two credits per quarter; autumn, winter, spring.

Wood

110-111-112. *Instrumental Form*.—Analysis of many examples and simple exercises in composition. Prerequisite, courses 51-52-53. Two credits per quarter; autumn, winter, spring.

Wood

113-114-115. *Music Education*.—Psychological and pedagogical principles and their application to the teaching of music. Two credits per quarter autumn, winter, spring.

Dickey

151-152-153. *Musical Appreciation*.—An appreciative study of some modern composers and schools. Two credits per quarter; autumn, winter, spring.

Van Ogle

*154-155-156. Music Education and Supervision.*—This course is for seniors and students of experience. High school, normal school and institute music. Two credits per 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. Prerequisite, courses 101-102-103. Two credits per quarter; autumn, winter, spring. Wood

*160-161-162. Polyphonic Forms.*—Free counterpoint applied to the invention, canon, fugue, etc. Analysis and composition. Prerequisite, courses 107-108-109. Two credits per quarter, autumn, winter, spring. Wood

#### 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. Approved equivalents of applied music courses in piano, voice, and violin may also be credited.

#### PIANO

*Freshman and Sophomore Years.*—Major and minor scales and arpeggios; studies selected from Czerny, Cramer, Loeschorn, Kullak, Hiller and Krause; sonatas by Scarlatti, Haydn, Clementi, Mozart and Beethoven; shorter compositions and inventions by Bach; and works from the classic and romantic schools.

*Junior and Senior Years.*—Scales in thirds, sixths and tenths; studies by Czerny, Clementi, Chopin, Brahms, MacDowell and Moszkowski; Well-tempered Clavichord and suites by 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 that 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 semester 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 per quarter; Mrs. Van Ogle, \$22 per quarter; Miss Ferryman, \$15 per quarter.

*Vocal Music.*—\$22 per 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 per quarter for one lesson weekly.

*Violin.*—Mr. Rosen, \$22 per quarter.

*Pipe Organ.*—Mr. Wood, \$22 per quarter.

*Band and Orchestra Instruments.*—Mr. Adams, \$12 per quarter.

Arrangements may be made for individual instruction in other musical courses if necessary or desirable.

Piano for practice may be rented at the music department at the following rates:

One hour daily, \$3 per quarter.

Two hours daily, \$5 per quarter.

Pipe Organ for practice; one hour daily, \$12.50 per 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

ASSISTANT PROFESSOR BARTLETT

1. *Nursing as a Profession.*—An informational course dealing with the traditions and development of nursing, the newer branches of public health work, and the opportunities for college women in the nursing profession. Prerequisite, none. Open to any women student in the University. Two credits; winter, spring.

Mrs. Bartlett

3. *History and Ethics of Nursing.*—A historical study of nursing from earliest times. Emphasis is given to the Nightingale period and modern schools of nursing. Ethics of the nurse in hospital and social work. Prerequisite, none. Three credits; winter, spring.

Mrs. Bartlett

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. Prerequisite, none. Two credits; autumn, winter, spring.

Mrs. Bartlett

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, winter.

Mrs. Bartlett

203. *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 dealt with. Prerequisite: Open to public health nurses who have had one year of public health nursing. Three credits; winter, spring.

Mrs. Bartlett

## ORIENTAL HISTORY, LITERATURE AND LANGUAGES

Denny Hall

PROFESSOR GOWEN

The requirement of one year's work in ancient languages and literature may be satisfied by courses 50, 51 and 52. Courses 1, 2 and 3 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.

1. *History of China I.*—History of China from the earliest times to the Manchu Conquest. Three credits; autumn. Gowen

2. *History of China II.*—History of China from the Manchu Conquest to the present day. Three credits; winter. Gowen

3. *History of Japan.*—Japan from the earliest times to the present. Three credits; spring. Gowen

30-31-32. *Semitic Literature.*—A study of the literature of the Old Testament. Continuous through the three quarters, but each course independent and self-contained. One credit per quarter; autumn, winter, spring. Gowen

40-41-42. *Oriental Institutions.—Japan, Russia, and China.*—The physical geography, social character and commercial resources of the Orient. Two credits per quarter; autumn, winter, spring. Gowen

50. *Literature of India*—Five credits; autumn. Gowen

51. *Literature of Egypt and Babylonia.*—Five credits; winter. Gowen

52. *Literature of Arabia and Persia.*—Five credits; spring. Gowen

100-101-102. *Hebrew or Arabic.*—The giving of these courses depends upon registration. Five credits per quarter; autumn, winter, spring. Gowen

104-105-106.—*Sanskrit.*—The giving of these courses depends upon registration. Five credits per quarter; autumn, winter, spring. Gowen

114-115-116. *History of Religion.*—(See Philosophy 114-115-116.) First quarter—Primitive conceptions of religion, the religions of Egypt and the Euphrates valley. Second quarter. The religions of the Far East. Third quarter—Judaism, Muhammedanism, and Christianity. Three credits per quarter; autumn, winter, spring. Gowen

PHARMACY, PHARMACEUTICAL, CHEMISTRY, MATERIA MEDICA  
AND FOOD CHEMISTRY .

Bagley Hall

PROFESSORS JOHNSON; ASSOCIATE PROFESSOR LINTON; INSTRUCTORS———, GOODRICH  
LECTURER OSSEWARD AND ASSISTANTS

1-2. *Theoretical and Manufacturing Pharmacy*.—The study of the principles of pharmacopœial operations, and the manufacture of Pharmacopœial and National Formulary preparations. Three lectures and two laboratory periods per week. Pharmacy 1 is repeated in the winter quarter. Pharmacy 2 is repeated in the spring quarter. Laboratory deposits, \$5 per quarter. Five credits per quarter; autumn, winter. Goodrich

3. *Commercial Pharmacy*.—A lecture course covering the commercial problems of the practical pharmacist. Two credits; spring. Mr. Osseward

4. *Materia Medica*.—A study of crude drugs, their source, methods of collecting and preserving, identification, active constituents and adulterations. Five credits; spring. Linton, Goodrich

5-6-7. *Drug Assaying*.—Experiments in gravimetric and volumetric analysis are given with the idea of training the students in the fundamental principles of quantitative chemistry, and at the same time making them familiar with the analysis of substances of pharmaceutical importance. Two recitations and three laboratory periods per week in autumn and winter quarters; one recitation and one laboratory period per week in spring quarter. Laboratory deposit, \$5 per quarter. Five credits; autumn and winter. Three credits; spring. Goodrich

8. *U. S. Pharmacopœia and National Formulary*.—A study of the methods and the chemistry involved in Pharmacopœial and National Formulary preparations. Two credits; winter. Linton

9-10-11. *Prescriptions*.—Special attention will be given to incompatibilities and to the more important of the "new remedies." The students are required to criticise and compound approximately two hundred difficult prescriptions. One recitation and one laboratory period per week. Laboratory deposit, \$2.50 per quarter. Two credits. Linton, Goodrich

12-13. *Pharmacology and Therapeutics*.—The actions and uses of chemicals, drugs and their preparations on the human organism in health and disease. Three credits, autumn; two credits, winter. -----

14. *Toxicology*.—The action of poisons, methods of treatment in cases of poisoning, and methods of identification and separation of poisons from tissue. Two credits; spring. -----



15. *Field Materia Medica*.—A study of the native medicinal plants of Washington and also of plants under cultivation in the drug garden. One laboratory period per week, consisting largely of work in the drug garden and field trips. Laboratory deposit, \$1. One credit; spring. Linton

16. *Food Laws*.—National, state and foreign food laws. For students in the department of fisheries. One credit; winter. Johnson

37-38-39. *Organic Chemistry*.—A study of the principles of organic chemistry. Organic compounds of importance in pharmacy and medicine will be given special attention. Laboratory deposit, \$5 per quarter. Johnson

108. *Food Analysis*.—For students in the Department of Home Economics. Two lectures and two laboratory periods per week. Laboratory deposit, \$5. Four credits; spring. -----

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. Graduate students, if prepared, may elect a research problem in food analysis. Laboratory deposit, \$5 per quarter. Five credits per quarter; autumn, winter, spring. Johnson

109-110-111. *Toxicology*.—A 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

113-114-115. *Advanced Prescriptions*.—Extensive practice in difficult and incompatible prescriptions; also a study of special problems. Laboratory deposit according to credit. Credit to be arranged; autumn, winter and spring. Linton

117-118-119. *Current Problems*.—A lecture and recitation course on current problems of scientific importance. Credit to be arranged; autumn, winter, spring. Linton

121-122-123. *Manufacturing Pharmacy*.—An 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.

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, winter, spring.

## PHILOSOPHY

*Philosophy Hall*

PROFESSOR SAVERY; ASSISTANT PROFESSOR DUCASSE; INSTRUCTOR BLAKE;  
ASSISTANT PHILLIPS

The Liberal Arts requirements are a total of ten credits in the departments of philosophy and psychology. The College of Science requirements are five credits in philosophy. These requirements may be satisfied from the following courses: Philosophy 1, 2, 3, 5. (None of these has any prerequisites).

Philosophy 1 and 2 are required of juniors in the College of Business Administration.

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, or spring. Savery, Ducasse, Blake, Phillips

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, Phillips

3. *Introduction to Ethics*.—Ethical principles and their application to the problems of life. Five credits; spring. Blake, Phillips

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; winter. Ducasse

101-102-103. *History of Philosophy*.—Ancient, medieval and modern. Prerequisite, Philosophy 1. Three credits per quarter; autumn, winter, spring. Blake

104-105-106. *Philosophy of Nature*.—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 per quarter; autumn, winter, spring. Savery

\*107-108-109. *Philosophy of Science*. Savery

\*113. *Philosophy of Religion*. Savery

114-115-116. *History of Religion*.—(See Oriental Languages and Literature 114-115-116.) 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, Muhammedanism, and Christianity. Three credits per quarter; autumn, winter, spring. Gowen

\* Not offered in 1920-1921.

123. *Philosophy in English Literature of the Nineteenth Century*.—From Wordsworth to Shaw, Wells and Chesterton, and including Emerson, Whitman and Masters. Alternates with course 126 as requirement for seniors in the Library School.) Prerequisite, course 1. Five credits; spring. Savery

\*126. *Philosophy in Contemporary Drama*.—(English 187.) Benham

129. *Esthetics*.—The origin and motives of art and the esthetic principles of the different forms of art. Five credits; spring. Ducasse

133. *Ethical Theory*.—An advanced course in the fundamental concepts and principles of ethics. Prerequisite, course 2 or 3. Two credits; spring. Savery

141-142-143. *Contemporary Philosophy*.—Readings from authors representing the main tendencies in contemporary philosophy. Two credits per quarter; autumn, winter, spring. Blake

144-145-146. *Hume and Kant*.—A critical study. Open to students upon approval of instructor. Two or three credits per quarter; autumn, winter, spring. Ducasse

## PHYSICAL EDUCATION AND HYGIENE

### Gymnasium

UNIVERSITY HEALTH OFFICER, PROFESSOR HALL. PHYSICAL EDUCATION FOR MEN: ASSISTANT PROFESSOR ARBUTHNOT, ASSISTANT ———. PHYSICAL EDUCATION FOR WOMEN: ASSISTANT PROFESSORS GROSS, AMERY; LECTURER IRWIN; INSTRUCTORS LEMON, ———; ASSOCIATE BLOOM; ASSISTANT MACKINNON.

*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 tactics.

*Military Training*.—Requirements in military science and tactics take precedence over the requirements in physical education. (See Military Science and Tactics.)

*Physical Examination*.—Upon entering college each student is given a physical examination. On the basis of their examination students are segregated into three divisions: A, B, and C.

## COURSES FOR MEN

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.

\* Not offered in 1920-1921.

1-2-3. *Calisthenics and Gymnasium*.—Introductory courses for freshmen. Two credits per quarter; autumn, winter, spring.

4-5-6. *Hygiene*.—Required of all first year men. Credits included in first year's work in both physical education and military science and tactics. Hall

11-12-13. *Gymnasium Tactics*.—Two credits; autumn, winter, spring. Arbuthnot

13. *Play-ground Supervision*.—Two credits; spring. Arbuthnot

16-17-18. *Intramural Sports and Games*.—For freshmen. Two credits per quarter; autumn, winter, spring.

51-52-53. *Calisthenics and Gymnastics*.—For sophomores. Two credits per quarter; autumn, winter, spring.

57-58-59. *Intramural Sports and Games*.—For sophomores. Two credits per quarter; autumn, winter, spring.

61a-61b-61c-61d. *Boxing, Wrestling, Fencing, Swimming*.—Taught to large classes for physical development. Two credits per quarter; autumn, winter, spring.

62a-62b-62c-62d. *Boxing, Wrestling, Fencing, Swimming*.—Individual instruction. Two credits per quarter; autumn, winter, spring.

71-72-73. *History of Athletics*.—One credit; autumn, winter, spring. Arbuthnot

101-102-103. *Advanced Gymnastics and Calisthenics*.—For juniors. Two credits per quarter; autumn, winter, spring.

107-108-109. *Intramural Sports and Athletics*.—Small group leadership. For juniors. Two credits per quarter; autumn, winter, spring.

151-152-153. *Class Leadership Calisthenics and Gymnastics*.—For seniors or graduates. Two credits per quarter; autumn, winter, spring.

#### COURSES FOR WOMEN

There are two kinds of classes in this department.

a—Those required of freshmen and sophomore students. All women, during the first two years of college attendance are required to participate two hours a week in some form of healthful exercise. 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. Twelve credits, six in healthful and re-

creational exercise, three in Hygiene and three in Nutrition and Food, are required for graduation.

*b*—Those leading to a major in physical education in the College of Science.

Teachers well trained in all phases of physical education are in demand, the most frequent calls being for school supervisors and recreation leaders. For those especially interested in corrective and remedial gymnastics, an advanced course in the senior year is offered.

*Intramural Athletics.*—Intramural contests, under the supervision and control of the department, are conducted in the following sports: baseball, hockey, tennis, basketball, archery, field events and volley ball. 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. Because of change of style beginning September, 1920, students should consult the department before purchasing suit. The fee (dependent upon market price) will be approximately \$13.50. 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 are open to freshmen who have had two years or more of physical education. Courses 51 to 99 are open to sophomores. Course 54-55-56, Food and Nutrition, is required of all sophomores. Courses 100 to 200 are open to major students; 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 per quarter; autumn, winter, spring. Gross, Lemon, Mackinnon

*4-5-6. Hygiene.*—One hour of lecture. One credit per quarter; autumn, winter, spring. Irwin

*7-8-9. Corrective Gymnastics.*—Two hours of practice. One credit per quarter; autumn, winter, spring. Bloom

*10-11. Healthful Activities.*—Gymnastics, dancing, and athletics. Open to freshmen who have had at least two years' physical education in high school. Students upon completion of courses 10 and 11 are eligible to sophomore athletic classes; autumn, winter quarters. Gross

*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 per week. One credit per quarter; autumn, winter, spring. MacKinnon

51-52-53. *Gymnastics*.—Second year women. Two hours per week. One credit per quarter; autumn, winter, spring. Lemon

54-55-56. *Food and Nutrition*.—Required of second year women. Students majoring in home economics will substitute Bact 103, Public Hygiene. One hour lecture. One credit per quarter; autumn, winter, spring. Amery

57-58-59. *Corrective Gymnastics*.—Two hours of practice. One credit per quarter; autumn, winter, spring. Bloom

61-62-63. *Dancing*.—Two hours of practice. One credit per quarter; autumn, winter, spring. Lemon

64-66. *Hockey*.—Two hours of practice. One credit; autumn, spring. Mackinnon

65.—*Basketball*.—Two hours of practice. One credit; winter. Mackinnon

67-69. *Tennis*.—Two hours of practice. One credit; autumn, spring. \_\_\_\_\_

71-72. *Volley Ball*.—Two hours practice. One credit; winter, spring. Gross

73-75. *Archery*.—Two hours practice. One credit; autumn, spring. Lemon

78.—*Field Events*.—Two hours practice per quarter. Discus, javelin, relays, dashes. Spring. Gross

81. *Baseball*.—Two hours practice. One credit; winter, winter, spring. \_\_\_\_\_

82-83-84. *Limited Healthful Activities*.—A continuation of courses 13-14-15. For students for whom regular work is too strenuous. Two hours practice. Autumn, winter, spring. \_\_\_\_\_

94-95-96. *Dancing*.—Two hours of practice. Prerequisite, courses 61-62-63. One credit; autumn, winter, spring. Lemon

97-98-99. *Advanced Gymnastics*.—Two hours of practice. Prerequisite, courses 51-52-53. One credit; autumn, winter, spring. Lemon

101-102-103. *Methods of Gymnastics*.—Drill in gymnastic floor work. Gymnastic terminology and survey and classification of gymnastic material. Principles and technique and teaching. Prerequisites, or accompanying courses, Anatomy 101-102 and Physiology 54-55. One hour lecture and two hours practice per week. Two credits per quarter for a year. Lemon

*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. Prerequisite, Psych. 1. One lecture and three hours practical work per week. Three credits per quarter for a year. Gross

*122-123.—Kinesiology.* Required of majors. Lectures and recitations on the science of joint movement, muscular action, gravity, inertia and resistance applied to gymnastic movements. Prerequisites, Anatomy 101-102 and Physiology 54-55. Two credits; winter, spring. Mackinnon

*104-105-106, Methods of Folk Dancing.*—Dances of the nations arranged for teaching in the public schools. Fundamental steps, methods of teaching, relation of music to dancing, costuming, school festivals, etc. Open to students majoring in physical education. Prerequisite, 1 year of dancing or course 111-112-113. One hour lecture and two hours practical work per week. Two credits per quarter for a year.

*109. History of Physical Education.*—Purpose of course is to trace history of physical education as a science, to familiarize students with the literature bearing on physical education. Emphasis on health movement. Lectures and assigned reading. One credit for one quarter; autumn. Gross

*131-132-133. Corrective Gymnastic Theory.*—Deviations from the normal, remedial gymnastics and application of exercises for correction. Prerequisites, Anatomy 101-102 and Physiology 54-55. Two lectures per week. Two credits per quarter for a year. Bloom

*134-135-136. Corrective Gymnastic Practice.*—Four hours clinical practice under supervision, in applying methods taught in courses 131-132-133. Two credits per quarter for a year. Bloom

*151-152-153. Advanced Methods in Gymnastics.*—Advanced gymnastics. Development of lesson plan. Gymnasium problems. Adaptation to schoolroom. Practice teaching correlation. Required of majors. One hour lecture and one hour practical work. Prerequisite, course 101-102-103. One and one-half credits per quarter for a year.

*154-155-156. Methods of Dancing.*—Prerequisite, course 104-105-106. Technique of natural dancing, based on natural movements. Composing of dancing. One hour lecture and two hour practice. Two credits per quarter for a year. Lemon

*161. Normal Diagnosis and First Aid.*—Treatment of the normal and deviations from the normal. Prerequisite, Anatomy 101-102 and Physiology 54-55. Two credits; spring. Irwin

162. *Anthropometry*.—Standards of efficiency in measurements. Two credits for autumn quarter. Lemon

164-165-166. *Theory and Practice of Physical Education*.—Study of curricula for grades and high schools. Value of various types of activities. Methods in health instruction. Prerequisites, courses 101-102-103, and 104-105-106. Two credits per quarter; autumn, winter, spring. Gross

167-168-169. *Athletic Coaching*.—Methods in coaching. Hockey, baseball, volley ball, tennis, archery, field events, basketball. Prerequisites, Psychology 1, and knowledge of and participation in the above named athletics. Open only to students majoring in physical education. One hour lecture and three hours practice. Two credits; autumn, winter, spring. Gross, Lemon, Mackinnon

170-171-172. *Advanced Athletic Coaching*.—Students will take charge of classes in sports. Prerequisite, course 167-168-169. Two hours of practice. One credit; autumn, winter, spring. Gross, Lemon, Mackinnon

\*173-174-175. *Swimming*.

176-177-178. *Advanced Corrective Gymnastics*.—An advanced course in corrective and remedial gymnastics, including study and treatment of diseased, undeveloped and deformed children. Clinical practice. Prerequisite, courses 131-132-133 and 134-125-136. One hour lecture and two hours of practice. Two credits; autumn, winter and spring. Bloom

## PHYSICS

Denny Hall

PROFESSOR OSBORN; ASSOCIATE PROFESSOR BRAKEL; ASSISTANT  
PROFESSOR ANDERSON; ASSISTANTS UTTERBACH, HIGGS

1, 2. *General Physics*.—Course 1, 2 will satisfy the physical science requirement in the Colleges of Liberal Arts and Science. Prerequisite, high school physics. Five credits per quarter; autumn, winter Osborn

3. *General Electricity*.—Course 3 is required of physics majors, and of mathematics majors taking physics as a minor, and also for pre-medical students. Prerequisite, course 1, 2. Five credits; spring. Osborn

47-48-49. *Elementary Physics*.—For students without high school physics these courses will satisfy the entrance condition in physics or the physical science requirement in the Colleges of Liberal Arts and Science. Five credits per quarter; autumn, winter, spring. Utterbach

50-51. *Sound and Music*.—For students in the College of Fine Arts only. Five credits per quarter; winter, spring. Anderson

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\*Not offered in 1920-1921.



89-90. *Physics of the Home*.—For students in home economics. These courses will also satisfy for women the physical science requirement in the College of Liberal Arts. Five credits per quarter; autumn, winter. Osborn

92-93. *General Physics*.—For students in forestry and pharmacy. Prerequisite, high school physics. Five credits per quarter; winter, spring. Brakel

97. *Physics for Engineers*.—Prerequisite, high school physics and fifteen hours of college mathematics. Five credits; autumn, winter, spring.

98. *Physics for Engineers*.—Prerequisite, course 97. Three class and two three-hour laboratory periods. Five credits; autumn, winter, spring. Brakel

99. *Physics for Engineers*.—Prerequisite, course 97. Five credits; autumn, spring.

101. *Mechanics*.—Prerequisite, courses 1-2 or 47, 48, 49 and trigonometry. The laboratory work may be omitted by non-majors. Five credits; autumn. Anderson

102. *Heat*.—Prerequisite, courses 1-2 or 47, 48 and trigonometry. Five credits; autumn.

103. *Light*.—Prerequisite, courses 1-2, and ten hours of college mathematics. Five credits; spring. Osborn

104. *Vibratory Motion and Sound*.—Prerequisites, courses 1-2, and calculus. Osborn

113. *Acoustics and Illumination*.—For junior or senior students in architecture. Prerequisite, courses 1-2. Four credits; spring.

114. *Electrical Measurements*.—Prerequisite, courses 97, 98, 99. Three credits; autumn, winter, spring. Brakel

139. *Ballistics*.—Three credits; spring. Anderson

169. *Special Problems*.—Students admitted after consultation with the instructors. Credit arranged; autumn, winter, spring.

201-202. *Dynamics*.—Prerequisite, course 101 and calculus. Three credits per quarter; autumn, winter. Anderson

203. *Theoretical Electricity and Magnetism*.—Prerequisites, graduate standing and calculus. Five credits; winter. Brakel

209. *Electron Theory*.—The important researches leading to the electron theory are presented and its applications in explaining the varied phenomena of physics and chemistry are considered. Prerequisite, course 1, 2, 3, and senior standing. Three credits; winter. Anderson

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NOTE.—For graduate students other courses will be given as the demands warrant.

## POLITICAL SCIENCE

Denny 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 a part of a liberal education, while others lead to the special study and investigation 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 supply the knowledge gained to the solution of practical problems.

1. *Elements of Government*.—An introductory course in which special attention is given to the citizen's part in government. Five credits; autumn, winter, or spring. Smith

10. *American Government*.—A general study of the American system of national government. Prerequisite, course 1. Three credits; winter. Smith

11. *State Government*.—A general study of the American system of state government. Prerequisite, course 1. Three credits; spring. Smith

50. *Comparative Government*.—The constitutional organization of the principal governments of Europe; with emphasis on political parties and current questions. Prerequisite, course 1. Five credits; winter. Laube

\*51. *Principles of Political Science*.—The state; political organization. Prerequisite, course 1. Three credits; winter.

52. *Political Parties*.—Organization and methods of modern political parties; growth and theory of the party system. Prerequisite, course 1. Three credits; spring. Laube

100. *Municipal Government*.—Municipal organization and administration in the United States and Europe with some consideration of functions and problems. Prerequisite, eight credits in political science. Five credits; autumn. Laube

102. *Municipal Problems*.—Problems of city government, with special attention to municipal utilities. Prerequisite, eight credits in political science. Three credits; winter. Laube

\*110. *International Law*.

\*111. *International Politics*.

112. *Oriental Politics*.—Relations of the European powers and the United States to China and Japan. Prerequisite, eight credits in political science. Three credits; spring. Laube

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\* Not offered in 1920-1921.

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. Smith

125. *Public Finance and Taxation*.—Prerequisite, course 1, Econ. 51. Five credits; autumn. Laube

126. *Problems in Taxation*.—Advanced problems in taxation, with special reference to the state of Washington. Prerequisite, course 125. Three credits; winter. Laube

127. *Municipal Finance*.—Prerequisite, course 125. Three credits; spring. Laube

150-151-152. *Reading Course*.—Discussions based on selective readings in political theory. Prerequisites, junior standing and eight credits in political science. Two credits per quarter; autumn, winter and spring. Smith

153-154-155. *Political Problems*.—Prerequisite, junior standing and eight credits in political science. Two credits per quarter; autumn, winter, spring.

181-182-183. *Research in Public Finance*.—Two credits per quarter; autumn, winter spring.

201-202-203. *Seminar*.—Graduates; first, second and third quarter.

## PSYCHOLOGY

Science Hall Attle

PROFESSOR SMITH; ACTING ASSISTANT PROFESSOR GUTHRIE; INSTRUCTOR WILSON;  
ASSISTANT MISS WILKINSON.

The Liberal Arts requirements are a total of ten credits in the departments of philosophy and psychology.

The College of Science 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 Philosophy 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 two-hour laboratory a week. Five credits; course repeated every quarter. Smith, Guthrie, Wilson

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, Psychology 1. Three credits winter. Guthrie

106. *Experimental Psychology*.—Students taking this course receive training in laboratory methods, are made familiar with the more important kinds of psychological apparatus, and perform many of the classical experiments in psychology. Prerequisite course 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, and statistical treatment of results. The course is essential to work in clinical psychology. Prerequisite, course 1. Three credits; spring. Wilson

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, course 1. Two credits; autumn. Guthrie

112. *Modern Psychological Theory*.—A criticism of psychological theories in the light of recent experimental findings. The significance of behaviorism and of the concept of the unconscious in psychology. Prerequisite, course 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, course 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, course 1. Three credits; autumn. Guthrie

118. *Folk Psychology*.—A psychological study of social human nature; language, custom, public opinion, morals, war, family, caste, nationalism, religion. Prerequisite, course 1. Two credits; autumn. Guthrie

121. *Applied Psychology*.—Psychology as applied to personal efficiency, vocational guidance and the measurement 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, course 1. Five credits; winter. Wilson

124. *Psychology of Learning*.—The principles of learning and the transfer of training. Prerequisite, course 1. Two credits; spring. Smith

126. *Abnormal Psychology*.—The explanation of unusual behavior and the influence of the subconscious mind upon conduct. Prerequisite, course 1. Five credits; winter. 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, course 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, course 1. Three credits; spring. Smith

151-152-153-154. *Undergraduate Research*.—Prerequisites, course 1 and 106. Each quarter. Smith, Guthrie, Wilson

201-202-203-204. *Graduate Research*.

Smith, Guthrie, Wilson

*Psychology Club*.—Open to majors and to others by permission. Fortnightly meetings on Thursday evenings.

## PUBLIC SPEAKING

Denny Hall

(See Dramatic Art)

## ROMANIC LANGUAGES AND LITERATURE

Denny Hall

PROFESSORS FREIN AND OBER; ASSOCIATE PROFESSORS UMPHREY AND PATZER; ASSISTANT PROFESSORS RATTI, HELMLINGE, SANTANDER, GOGGIO; INSTRUCTORS WHITTLESEY, PHILBROOK

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 1) during the same quarter, and it is better to have three quarters of one Romanic language before beginning another.

### 1. FRENCH

*Requirements of the Department*.—Courses 41, 101, 102, 103, 191, 192, 193 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, but one section of the class will be devoted exclusively to those who wish only the ability to translate French. Each of the courses 1, 2, 3, is repeated each quarter. No credits

will be given for course 1 until course 2 has been completed. Five credits per quarter; autumn, winter, spring.

*4-5-6. Reading of Modern Texts.*—One section of the class will be devoted to translation, exclusively, while the other sections will read and be questioned in French. Each of the courses 4, 5, 6, is repeated each quarter. Course 4 may be combined with 7, making a five-hour course. The same is true of 5 and 8, 6 and 9. Prerequisite to course 4 is course 3, or equivalent. Three credits per 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. Course 7 may be combined with course 4. The same is true of 8 and 5, 9 and 6. Prerequisite to course 7 is course 3, or equivalent. Two credits per 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, course 1. Three credits; repeated each quarter. Frein

*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 who gives these courses. See courses 104, 105, 106. Prerequisites, courses 6 and 9. Three credits per quarter; autumn, winter, spring.  
Patzner, Ratti, Helmlinge, Goggio

*104-105-106. Advanced Reading.*—These courses are planned so that they may be taken with courses 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, course 6. Two credits per quarter; autumn, winter, spring.

Patzner, Ratti, Helmlinge, Goggio

*117-118. Renaissance Literature.*—For description, see Italian 117. Credits may be counted in French, in Italian, or in Spanish. Two credits; autumn, winter.  
Goggio

*121. The French Novel.*—Lectures upon the novel with assignments of books to be read and reports made to class. Prerequisite, course 102. Five credits; spring.  
Patzner

*\*124-125-126. The Short Story.*

*131. Lyric Poetry.*—Reading of the best French lyric poetry written from the Renaissance to modern times. Rules of versifica-

tion. An occasional translation into metrical English, carefully written, and read in class. Prerequisite, course 6. Five credits; winter. Helmlinge

141-142-143. *The French Drama*.—Lectures, in French, upon the French drama from its beginning to modern times. Assignments for outside reading and report to class. The course may be entered at the beginning of any quarter. Prerequisite, course 101, or equivalent. Three credits per quarter; autumn, winter, spring. Frein

151-152. *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 either quarter. Prerequisite, courses 6 and 9, or equivalent. Five credits per quarter; autumn, winter. Ratti

\*161-162-163. *History of the French Literature of the Eighteenth Century*.

\*171-172-173. *History of the French Literature of the Seventeenth Century*.

191-192-193. *Teachers' Course*.—Emphasis on the methods of teaching pronunciation and syntax; review of phonetics and syntax, with students conducting the recitations. Prerequisite, courses 41, 101, 102, 103, and at least one of the literary courses. Two credits per quarter; autumn, winter, spring. Frein

201-202. *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. Three to five credits; winter, spring. Frein

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 to five credits; autumn. Frein

\*231-232-233. *History of Old French Literature*.

\*241-242-243. *Seminar*.

## II. SPANISH

*Requirements of the Department*.—Courses 191, 192 are required of majors and of all who wish to be recommended as teachers.

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 re-

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\* Not offered in 1920-1921.

peated each quarter. Five credits per quarter; autumn, winter, spring.

4-5-6. *Reading of Modern Authors.*—Reading some of the best works of the nineteenth century. If desired, courses 4, 5, 6, may be combined with courses 7, 8, 9, making a five-hour course each quarter. Prerequisite to 4 is 3, or equivalent. Three credits per 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 course 7 is course 3. Course 7 in prerequisite to course 8. Two credits per quarter; autumn, winter, spring.

112. *Commercial Spanish.*—Commercial terms and business correspondence. Prerequisite, course 9, five credits; autumn; repeated in spring. Santander

115. *Outline History of Spanish Literature.*—Selected texts collateral reading, lectures. Prerequisite, 6. Three credits; spring. Humphrey

117-118. *Renaissance Literature.*—For description see Italian 117, 118.

\*121-122-123. *The Novel.*

\*131-132.—*Lyrics and Ballads.*

141-142-143. *Drama.*—History of the Spanish drama from its beginning. Assignment of outside reading for which reports are asked. Prerequisite, course 6. Class may be entered either quarter. Five credits per quarter; winter, spring. Humphrey

181-182. *Spanish-American Institutions.*—Lectures, in Spanish, upon the institutions, history, and government of Spanish-American republics. Collateral reading and reports. Prerequisites, courses 6, 9. Three credits per quarter; autumn, winter. Strong

\*184-185-186. *Spanish-American Literature.*

191-192. *Teachers' Course.*—Methods of teaching Spanish; practice teaching; observation; review of linguistic difficulties. Open to major students. Two credits per quarter; autumn, winter. Ober

241-242. *Old Spanish.*—Reading of Old Spanish texts. Course open only to advanced students. Five credits; winter. Humphrey

### III. ITALIAN

*Requirements of the Department.*—No student will be allowed to begin Italian and French or Spanish the same year. Upper classmen who have had considerable French or Spanish may elect

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\*Not offered in 1920-1921.



elementary Italian. Not enough courses are offered to major in Italian.

1-2-3. *Elementary*.—No credits given in 1, 2, until 3 in complete. Five credits per quarter; autumn, winter, spring. Goggio

117-118. *Renaissance Literature of Italy, France and Spain*.—This course will be conducted in English. It is intended to give students an opportunity to become acquainted with the Renaissance literature of the principal three Romanic countries. Prerequisite, two years of French or Spanish or one year of Italian. Two credits per quarter; autumn, winter. Goggio

### SCANDINAVIAN LANGUAGE AND LITERATURE

Denny Hall

PROFESSOR VICKNER

1-2-3. *Elementary Swedish*.—Grammar and reading; composition and conversation. Course, 1, 2 are so arranged that they may be taken with courses 4, 5, making a five-hour course. Three credits per quarter; autumn, winter, spring. Vickner

4-5. *Swedish Reading Course for Beginners*.—Reading of easy texts. These courses are supplementary to courses 1, 2, 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. Courses 4, 5 are especially adapted to meet the needs of students in the Colleges of Science, Education, Business Administration, and in the Library School. Two credits per quarter; autumn and winter. Vickner

10-11-12. *Elementary Norwegian-Danish*.—Grammar and reading; composition and conversation. Courses 10, 11 are so arranged that they may be taken with courses 13, 14, making a five-hour course. Three credits per quarter; autumn, winter, spring. Vickner

13-14. *Norwegian-Danish Reading Course for Beginners*.—Reading of easy texts. These courses are supplementary to courses 10, 11, 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. Courses 13-14 are especially adapted to meet the needs of students in the Colleges of Science, Education, Business Administration and in the Library School. Two credits per quarter; autumn and winter. 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.

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\* Not offered in 1920-1921.

Course may be entered at the beginning of any quarter. Two credits per 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. Course may be entered at the beginning of any quarter. Two credits per quarter; autumn, winter, spring. Vickner

30. *Scandinavian Culture and Institutions*.—A lecture course dealing with the literature, art, political, social, commercial, and industrial development of Scandinavia. Lectures in English, collateral reading, slides. Especially adapted to meet the needs of students in the College of Business Administration. Knowledge of the Scandinavian languages not necessary. Two credits; autumn; repeated winter and spring. Vickner

\*31-32-33. *Reading Course in Norwegian and Swedish*.

103-104-105. *Recent Swedish Writers*.—Representative writers of the nineteenth and twentieth centuries are read, including Strindberg, Fröding, Selma Lageröf. Study of cultural movements and social problems of modern Sweden. Course may be entered at the beginning of any quarter. Two credits per quarter; autumn, winter, spring. Vickner

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. Course may be entered at the beginning of winter or spring quarter. Two credits per quarter; autumn, winter, spring. Vickner

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. Course may be entered at the beginning of winter or spring quarter. One credit per 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*.—Two credits per quarter; winter and spring. Vickner

\*207. *Scandinavian Lyric Poetry*.

209. *History of Scandinavian Literature*.—Lectures in Scandinavian or English. Some of the masterpieces assigned for outside reading and report. One credit per quarter; spring. Vickner

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\*Not offered in 1920-1921.

180. *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. Two credits; autumn; repeated winter and spring. Vickner

## SCULPTURE

*Architecture Buildings*

MR. WEHN

72-73-74. *Clay Modeling.*—Construction of plaster moulds, elementary construction; modeling in clay and wax. Laboratory deposit, \$3. Three credits; autumn, winter, spring. Wehn

## SOCIOLOGY

*Commerce Hall*

PROFESSOR WOOLSTON; ASSOCIATE PROFESSOR WATERMAN

Students are advised to postpone work in sociology until lower division requirements in biology, psychology, economics, and political science are completed. For advanced courses in this department, such training is essential.

Course I or its equivalent is prerequisite throughout, and satisfies minimum requirements in this subject. Further work is arranged along three lines: I Anthropology and ethnology, II social problems and methods of reconstruction, III social theory and methods of investigation. For a major in sociology 36 credits are required. Students who intend to specialize as teachers or practical workers in any part of the field are urged to confer with the instructor in charge of their line immediately, in order that proper foundations may be planned. Courses in other departments are important, and may, when approved be credited toward advanced requirements.

Anthropology and Ethnology, see courses 51, 52, 53, 91, 92, 93, 141, 142, 143, 181, 182, 183, 204, 205, 206.

Social Problems and Methods of Reconstruction, see courses 55, 56, 57, 61, 62, 63, 103, 106, 129, 155, 156, 157, 171, 172, 173, 187-188-189, 197-198-199.

Social Theory and Methods of Investigation, see courses 29, 60, 70, 160, 161, 162, 201, 202, 203.

1. *Introductory Sociology.*—A general survey of the field of social relations, with some discussion of the forces at work, the practical problems presented and the methods of solution suggested. Five credits; autumn, winter, spring. Woolston

29. *Social Statistics*.—Methods and sources of quantitative investigation. Three credits; autumn. Woolston

51. *Evolution of Material Culture*.—The origin and evolution of devices, implements, and arts, the stages in industrial history. Three credits; autumn. Waterman

52. *Primitive Social Life*.—The social institutions of primitive folk, including various forms of marriage, the family, the clan, totemism, blood-revenge, primitive systems of writing, folkways among savages. Three credits; winter. Waterman

53. *Fossil Man*.—Evolution as illustrated in the skeletal remains of early man and his forerunners. Primitive life as shown by prehistoric implements and other remains. Three credits; spring. Waterman

55. *Community Organization*.—A study of the principles of community organization, forms of community action, essentials of leadership. Three credits; autumn.

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; winter.

57. *Child Welfare*.—A study of the biological, psychological, social, and economic factors bearing on the welfare of children in modern society. Three credits; spring. Woolston

60. *Social Psychology*.—The instinctive and psychological side of man, and his adjustment to civilization. Three credits; winter. Woolston

61. *The Church as a Social Agency*.—The function of religious congregations in philanthropy and reform. Types of parish and institutional agencies. Three credits; autumn.

62. *Public Recreation*.—Organization of indoor and outdoor amusement; public morality and the use of leisure. Three credits; winter.

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. Three credits; spring.

70. *History of Sociology*.—The principal contributions to sociological science, from the standpoint of their background. Three credits; spring. Woolston

91. *European and Mediterranean Peoples*.—Racial types and languages of the Old World; origins of historical cultures; the background of American immigrants. Three credits; autumn.

Waterman

92. *Asiatic and Oceanic Peoples*.—Racial types of Eastern Asia and the Pacific Islands. Problems of origins and migrations; history of culture. Three credits; winter. Waterman

93. *African and Australasian Peoples*.—Distribution of negroid types; primitive culture among African, Australian and Papuan peoples, with emphasis upon their art, mythology and social organization. Three credits; spring. Waterman

103. *Problems of Maladjustment*.—An examination of the biological, psychological, pathological, and economic factors involved in the various types of social maladjustment. Three credits; autumn.

106. *American Social Conditions*.—An analytical and descriptive study of social conditions in America today and their relation to social progress. Primarily for teachers. Two credits; winter.

129. *The Social Survey*.—Methods of planning, conducting, and presenting results of investigations of communities and institutions. Three credits; spring.

141. *Communication*.—Modes of communication from the standpoint of beginnings; gesture, language and the development of writing. Three credits; autumn. Waterman

142. *Primitive Religion*.—Beginnings of religious observances among primitive peoples; rise of theological systems. Three credits; winter. Waterman

143. *Art and Recreation*.—Leisure time, activities of the human race; artistic work, games and pastimes; play among primitive peoples. Three credits; spring. Waterman

155. *Modern Philanthropy*.—Care of dependents and prevention of destitution; discussion of causes of poverty and methods of relief. Three credits; autumn.

156. *Criminology*.—A study of the social, economic, and heredity causes of crime; various theories and plans of prison reform; the relations of prisons and criminals to society. Three credits; winter.

157. *Care of Defectives*.—Causes of disease and degeneracy; methods of treatment, education and prevention. Three credits; spring.

160. *Programs of Social Reform*.—A critical examination of individualism, conservation, philanthropy, social justice, liberalism, unionism, the coöperative movement, the single tax, socialism and syndicalism. Three credits; autumn. Woolston

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*.—A review of the great conceptions of social purpose and destiny. Three credits; spring. Woolston

171-172-173. *Methods of Social Service and Field Work*.—The purpose of the course is to train students for social work, by enabling them to observe the methods of local organizations and to do practice work under supervision in conjunction with these agencies. Two afternoon a week will be required in the field. Open to mature students who have had work in sociology. Five credits per quarter. Hours to be arranged.

181. *The North American Indian*.—A study of the Indian and his mode of life; dwellings, warfare, architecture, ceremonies, and art; The problem of cultural relations. Discussions and reports. Three credits; autumn. Waterman

182. *The Indians of Mexico and Central America*.—The ancient cities of the Aztec and Mayan region. Architecture, writing, calendar systems, ceremonies, government, poetry, and art of the ancient and modern peoples. Discussions and reports. Three credits; winter. Waterman

183. *Methods of Ethnology*.—Getting information about primitive life as a trade; phonetic symbols for Indian words; recording myths and information on economic and social customs; the study of native languages and dialect. Prerequisite, course 181 or 182. Three credits; spring. Waterman

187-188-189. *Case Work*.—Interview work with local organizations. Open to students who have had courses 171-172-173. Eight hours field work; one hour conferenc. Five credits per quarter.

197-198-199. *Seminar in Social Economics*.—For advanced students majoring in applied sociology. Two credits per quarter. Laboratory deposit, \$2. Five credits per quarter; autumn, specializing in this field. Two credits per quarter. Woolston

204-205-206. *Seminar in Ethnography*.—Two credits; autumn, winter, spring. Waterman

## ZOOLOGY

Science Hall

PROFESSOR KINCAID; ASSISTANT PROFESSORS E. V. SMITH, FASTEN

1-2 *Elements of Zoology*.—A general review of zoological science, stressing the economic and philosophic aspects of the subject. Laboratory deposit, \$2. Five credits per quarter; autumn, winter, repeated winter, spring. Kincaid and Assistants

3. *Pre-Medical Zoology*.—For students entering upon a medical course. Laboratory deposit, \$2. Five credits; autumn. Fasten

4. *Vertebrate Zoology*.—The structure of vertebrates, with emphasis on mammalian organization. For students in medicine and physical education. Prerequisite, course 3 or 1. Laboratory deposit, \$2. Five credits; winter. Fasten

5. *General Embryology*.—The comparative development history of animals, with emphasis on vertebrate forms. For students in medicine, pharmacy and fisheries, but open to others. Prerequisite, course 1-2 or 3-4. Five credits; spring quarter. Fasten

16. *Evolution*.—A series of lectures upon the more important biological problems related to the general theory of evolution. Two credits; autumn. Kincaid

17. *Eugenics*.—The principles of evolution in their relation to human welfare. Two credits; spring.

51. *Elementary Entomology*.—The structure, classification and economic relations of insects. Prerequisite, course 1-2 or its equivalent. Laboratory deposit, \$2. Five credits; spring. Kincaid

101. *Cytology*.—The anatomical, physical and chemical properties of the animal cell with special reference to the problems of development and inheritance. Prerequisite, course 1-2 or 3-4. Laboratory deposit, \$2. Five credits; winter. Fasten

103. *Forest Entomology*.—The classification and economic relations of insects injurious to forests. For students in forestry, but open to others. Laboratory deposit, \$2. Three credits; winter. Kincaid

106. *Plankton*.—The life of the sea and fresh water in its relation to the food of fishes. For students in fisheries, but open to others. Prerequisite, course 1-2. Laboratory deposit, \$2. Five credits; autumn. Kincaid

107. *Parasitology*.—Study of animal parasites. For students in medicine but open to others. Prerequisite, courses 1-2 or 3-4. Laboratory deposit, \$2. Five credits; spring. Fasten

108. *Biology of the Sea*.—Distribution, adaptations and interdependence of the several categories of marine organisms. For students in fisheries, but open to others. Prerequisite, course 1-2. Three credits; spring. Kincaid

154. *Advanced Entomology*.—The morphology and ecology of insects, with emphasis on forms of economic importance. Prerequisite, course 51. Laboratory deposit, \$2. Five credits; winter.

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. Three credits; autumn, winter, spring. Kincaid, Smith, Fasten

201-202-203. *Research*.—Students capable of carrying on independent research will be assigned problems to be worked upon under the direction of one of the instructors. Prerequisite, twenty-five hours of zoology or physiology. Credit to be arranged.

Kincaid, Smith, Fasten

#### PHYSIOLOGY

7. *Elementary Physiology*.—A general survey of the functions of the human body with special emphasis on metabolism, the nervous and vascular systems. Primarily for pharmacy students. Laboratory deposit, \$2. Five credits; autumn. Smith

8. *Elementary Physiology*.—A general survey of the structure and functions of the human body. Special emphasis will be placed on the digestive system and metabolism. A course especially designed for students in home economics, but open to others. Laboratory deposit, \$2. Five credits; autumn, winter, spring. Smith

54-55. *General Physiology*.—Adapted to meet the needs of students expecting to teach the subject in high school. Required of students majoring in physical education; recommended for students majoring in home economics who desire more extended training than is offered in course 7, and for students in sanitary science. Laboratory deposit, \$3. Five credits; autumn, winter. Smith

56. *Principles of General Physiology*.—The application of the laws of physics and chemistry to physiological problems. Prerequisites, course 55, Chem. 3 and Physics 3. Laboratory deposit \$3. Five credits; spring. Smith

151-152-153. *Advanced Physiology*.—Designed to meet the needs of students in medicine. Open to others prepared to carry the work. Prerequisites, Zoology 3, Chemistry 3 and Physics 3. Laboratory deposit, \$5. Five credits; autumn, winter, spring. Smith



## SUMMER QUARTER

June 22-August 31, 1920

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### DIRECTOR

FREDERICK E. BOLTON, Ph. D., University of Washington

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*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 suspended 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, Law, Engineering, Education, Fine Arts, Business Administration, the Graduate School, and in the Pre-medical Course. The Puget Sound Biological Station at Friday Harbor maintains a session of six weeks beginning June 21 and ending July 39. 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 particular 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.
4. Supervisors and teachers of music, manual training, domestic science, drawing and other special fields of work, who will find many courses suited to their needs.
5. School teachers who wish to work toward college degrees.
6. 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 school afford splendid objective illustrations of playground and recreation centers.

7. 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 work 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 22. Students expecting to be in attendance during the last six weeks only may register on or before Wednesday, July 23. 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 this 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 registrar on registration at the beginning of the session.

*Fees.*—The regular tuition fee of ten dollars (\$10.00) 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 departments 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 College 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 College 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 curricula of business courses are 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

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FRIDAY HARBOR, WASHINGTON

June 21-July 30, 1920

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DIRECTOR

THEODORE CHRISTIAN FRYE, PH. D., University of Washington

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*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 800. 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 something like 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 is being 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, comparatively 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 holds a lease on 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 storeroom 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 adjacent.

Compound microscopes are taken up from the University of Washington; some general glassware is supplied. Certain ordinary glassware, containers, and preservatives may be secured at the stock room. It is the aim to have in the stock room the 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 or investigation. Teachers who wish to make small collections for their own use are not discouraged in their endeavors. Those who are looking forward to collecting large quantities of 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 expenses through its supply department.

*Library.*—The library contains about 500 volumes, of which about 160 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 -----	\$13.00
Tent, two in a tent -----	4.50
Board (estimate) -----	30.00 to 36.00
Books (estimate) -----	3.00
Incidentals (estimate) -----	4.50
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Total -----	\$55.00 to \$61.00

The station fee of \$13 goes toward paying the running expenses of the station. There is no laboratory fee. For persons occupying research rooms the station fee is \$50, instead of \$13.

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 per 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 \$5 or \$6 per 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 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

HENRY SUZZALLO, Ph. D. (Columbia), LL. D. (California), President of the University.

JOHN THOMAS CONDON, LL. M. (Northwestern), Dean of Faculties.

EDWIN AUGUSTUS START, A. M. (Harvard), Director of the Extension Service.

### ADMINISTRATIVE BOARD

DIRECTOR START, Chairman

DEAN THOMSON, Liberal Arts

DEAN MILLER, Business Administration

DEAN LANDES, Science

PROFESSOR RAITT, Home Economics

DEAN BOLTON, Education

COMPTROLLER 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:

BARBARA HAECKER BARTLETT, B. S. (Columbia), Assistant Professor of Nursing and Public Health.

AILETTA MARIA GILLETTE, A. B. (Smith), A. M. (Washington), Instructor in English.

JAMES M. MCCONAHEY, LL. B. (Northwestern), C. P. A. Lecturer in Accounting.

WILLIAM B. HENDERSON, Lecturer in Foreign Trade.

PAUL UNOFF, Lecturer in Russian Language

FU LIN, Assistant in Chinese.

### OFFICE STAFF

MARY C. GRADY, Office Manager.

CORINNE B. BARCOCK, Secretary in charge of Seattle City Office.

MINNIE L. KRAUS, A. B. (Washington), Secretary for Correspondence Study.

HARRIETTE R. BAILEY, Stenographer.

BLANCHE I. BINGHAM, Stenographer.

### 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. There are two distinct branches of this work:

- (1) *University Teaching by Correspondence and in Classes* for those who cannot attend the University; and
- (2) *General Community Service*, through lectures, publications, institutes, and any practicable means.

## 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 astronomy and navigation, botany, classical languages and literature, (Greek, Latin), economics and business administration, education, English, forestry and lumbering, geology, history, home economics, philosophy, physics, 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 practicable, 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 and cultural needs of those who have no university degree in view.

Announcements of the Extension Service are usually published in circulars of information, each one covering the work in a certain field. There is one of general information, covering the details necessary to be known by all extension students, and others for English, economics, and business administration, Romanic languages, and other departments or groups of subjects.

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 during 1919-20 included general economics, accounting (three full year courses), advertising, business correspondence, business law, employment management, foreign trade, water transportation, French, Italian, Spanish, Chinese, and Russian, philosophy, social ethics, psychology, scout-masters' training (in cooperation with the council of the Boy Scouts), drawing (from life) and design (in cooperation with the Art Students League). The schedule is modified each year according to circumstances.

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.*—Ordinarily fees are charged for all extension courses, correspondence or class. The fees are sufficient to pay the actual cost of instruction and local expense made necessary by doing special work outside of the regular university organization. The University carries all administration, general overhead and development charges. The cost of courses varies according to its length from six to fifteen 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.

There was one lecture in 1916. Since then there have been two each year—one in medicine and one in surgery. The lecturers have been:

- 1916. Dr. Charles L. Mix, Chicago, Northwestern University.
- 1917. Dr. Martin H. Fischer, University of Cincinnati.  
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.
- 1920. Dr. Henry A. Christian, Boston, Harvard University.  
Dr. Barton Cooke Hirst, Philadelphia, University of Pennsylvania.

#### OTHER EXTENSION SERVICES

The University Extension Service arranges for lectures singly and in courses, conducts conferences, and assists when and as far as practicable in community work. These activities are not formally organized and no definite statement can be made in regard to them. The Director of the Extension Service is always ready to consider any request that may be made, provided it comes within the proper functions of the University.

*Publications.* The Extension Service issues, in addition to its announcements, many publications from time to time. None have been issued since 1916 on account of war conditions and financial stringency. This phase of the extension work will now be resumed but no definite announcement can be made. A list of past publications still available can be obtained from the Extension Service.

## DEGREES

### DEGREES CONFERRED JUNE 16, 1910

#### BACHELOR DEGREES COLLEGE OF LIBERAL ARTS

##### Bachelor of Arts

Allen, (Mrs.) Lulu Wright	Lovely, Josephine Monica
Allison, Weaver Judson <sup>1</sup>	Lund, Katharine Louise <sup>1</sup>
Anderson, Lylia Cecilia <sup>2</sup>	McKee, George Meade
Barnes, Grace Randolin	McKnight, John Emmett <sup>1</sup>
Becker, Gladys Alleen	McLennan, Margaret Isabel
Beckwith, Beatrice Hortense	Marks, Anne Lenore
Benz, Fritz Rudolph	Marot, (Mrs.) Ada Bouck <sup>1</sup>
Blair, Anna Clio <sup>2</sup> ( <i>cum laude</i> )	Matheson, Katherine Willetta
Bolster, Helen <sup>1</sup>	Maxwell, Edmund Francis
Brewster, Helen Gertrude <sup>1</sup>	Meisnest, Darwin Mason
Brooks, LeRoy Wagar <sup>1</sup>	Merrifield, Florine Virginia
Bryant, (Mrs.) Lucile Swigart	Miller, Glen William <sup>1</sup>
Caldwell, Elsie Georgiana <sup>3</sup>	Mitchell, Neva Isabel <sup>1</sup>
Campbell, Ernest William <sup>1</sup>	Montgomery, Catherine
Carney, William Harvey <sup>1</sup>	Mottman, Elizabeth Anne
Carroll, Joseph Douglas <sup>1</sup>	Murdoch, Mary Camille
Cole, Miriam Elizabeth	Page, Elvie Belle <sup>2</sup>
Coleman, Clarence Joseph	Parker, Catherine Anna <sup>1</sup>
Crippen, Malda <sup>1</sup>	Payne, Callista Rachel
Culver, Evelyn Louise	Peterson, Frank Lynn <sup>2</sup>
Dahlin, Ebba ( <i>magna cum laude</i> )	Pitt, Mildred Esther
Deering, Tam <sup>2</sup>	Powell, Janet Elizabeth ( <i>cum laude</i> )
Dillon, Margaret Winans	Powers, Alvin James <sup>3</sup>
Dimock, Dorothy	Pritchard, Joseph Gordon
Doheny, Charlotte Fulton	Puffer, Floyd Arthur
Driscoll, Marie Elizabeth <sup>3</sup>	Reed, Hazel Louise
Elford, Florence Mae	Richter, Ella Paula
Foltz, Laura Azalia	Robe, Dorothy Cecil
Freyd, Max <sup>1</sup>	Robinson, Laura Marie
Friars, Lola Eleanor	Rohden, Elizabeth Helen
Greenleaf, Ruth Stetson <sup>3</sup>	Roseleaf, Dorothy
Gwinn, Olive ( <i>cum laude</i> )	Seely, Anne Shepard
Harris, Olive Mildred <sup>1</sup>	Shepherd, Paul Clark <sup>1</sup>
Hawthorne, Rebecca Allison ( <i>cum laude</i> )	Short, Esther Lorinda ( <i>cum laude</i> )
Hohberger, William <sup>1</sup>	Shotwell, Catherine Maynard <sup>2</sup>
Hunter, Ruth Gertrude	Squire, Walter Edmund <sup>1</sup>
Jackson, Geraldine	Thomas, Dorothy Waitstill
Jacobs, Isabel <sup>1</sup>	Twomey, Katherine Mackenzie
Jenne, Grace Manetta	Ulleland, Astrid Olive ( <i>cum laude</i> )
Johnson, Rose	Van Sicklin, Nina
Jones, (Mrs.) Alice Dowell	Wallace, Clara Louise
Jones, Ella Katherine	White, Katherine Eleanor
Kolnitz, Abraham Victor	Wiggins, Mildred
Kortemeyer, Clara Dorothy	Wilkinson, Madge Watson <sup>1</sup>
Lachman, Dorothy	Worsham, Mary Lavinia
Larson, Emma Carolyn	Wright, Ruth Hamlin
Linder, Muriel <sup>1</sup>	Zacharias, Rose Lydia

#### COLLEGE OF SCIENCE

##### Bachelor of Science

Bickford, Ernest Dearle	Higgs, Paul McClellan
Brown, Earl Theodore <sup>1</sup>	Jackson, Edna Cosby
Burke, Florence Julia <sup>3</sup>	Little, Edward Milton <sup>1</sup>
Butcher, Bessie Elizabeth <sup>1</sup>	McDonald, Mayme <sup>2</sup>
Campbell, Esther Mary	Mackey, Cora Lois
Enyart, Grace May	Morris, Erma May
Garhart, (Dr.) Manch Neville	Nightingale, William Thomas
Glover, Shelton Latta	Rawson, Erroll Whitman
Harrington, Helen <sup>2</sup>	Robb, Helen ( <i>cum laude</i> )
Henderson, Phil ( <i>cum laude</i> )	Simmons, Mary <sup>1</sup>

The persons whose names are followed by the superior figures <sup>1</sup> <sup>2</sup> <sup>3</sup> received their degrees in the quarters of 1918-1919 ending in August, December and March, respectively; all others in June, 1919.

Smith, Catherine Wright<sup>1</sup> (*cum laude*)  
 Spaulding, Florence Louise  
 Stevens, Belle Alice

Thomas, Lenore  
 Weage, Winifred De Ella  
 Wood, Lillian<sup>2</sup> (*cum laude*)

#### Bachelor of Science in Home Economics

Bell, Doris Lillian<sup>1</sup>  
 Brooks, Mildred<sup>1</sup>  
 Colton, Grace Edith  
 Condon, Dorothy  
 Corey, Esther Marie  
 Dodge, Alice<sup>1</sup>  
 Engler, Dora Dean  
 Gilman, Bonnie Ruth  
 Goode, Helen Genevieve  
 Haller, Bernadine<sup>2</sup>  
 Harshman, Gertrude  
 Hillis, Arnetta<sup>1</sup>  
 Howes, Jessie  
 Hughes, Anne<sup>1</sup>

Ketridge, Anna Marian  
 Lindbloom, Florence  
 Martinson, Esther  
 Mulhern, Marie Elizabeth<sup>4</sup>  
 Paust, Edna L'Berta  
 Quast, Florence Anne  
 Reed, Luella May  
 Tower, Pearl Adella<sup>1</sup>  
 Tweed, Lucile  
 Virtue, Eloise Beach  
 Waite, Vera Beatrice  
 Woods, Eva Jessie  
 Zickler Pauline

#### COLLEGE OF EDUCATION

##### Bachelor of Education

Barry, Georgia Catheryne  
 Baxter, Kirk Sawyer<sup>2</sup>  
 Bowden, Henrietta Lois<sup>1</sup>  
 Coates, Frank Carl<sup>1</sup>  
 Cleland, Faith  
 Currie, Vera Maria  
 Fisher, Roberta Claire (*cum laude*)  
 Gilluly, Cora  
 Gose, Gladys  
 Griffin, Phyllis  
 Hague, Martha Olive  
 Hindman, Edna  
 Hyndman, Lucile Alva  
 Imes, Henry<sup>1</sup>  
 Kane, (Mrs.) Susan Mary  
 Kohlman, Marjorie  
 Lie, Borghild Constance (*cum laude*)  
 Magnusson, Jennie Marie

Magowan, Hazel Mae  
 Miles, Alice  
 Oakley, Eldora Viola<sup>2</sup> (*cum laude*)  
 Otaka, Ray Keizaburo  
 Patchin, Wilbur Harmon<sup>2</sup>  
 Pershing, Helen Gene  
 Pierson, Ermine Clark<sup>3</sup>  
 Sakamoto, Mine  
 Scheurer, Genevieve<sup>2</sup>  
 Shalom, Israel Aaron  
 Stolp, Rose Marie  
 St. Clair, Esther Anna<sup>2</sup>  
 Sully, Helen Margaret  
 Theilberg, Evelyn Elizabeth  
 Tift, Lillian Bryce<sup>1</sup>  
 Warner, Erma  
 \*Whealdon, Maggie Fay (*cum laude*)

#### COLLEGE OF FINE ARTS

##### Bachelor of Arts in Music

France, Georgia Madgil

##### Bachelor of Music

Anderson, Mildred Aurora  
 Benton, Louise Dow (*cum laude*)  
 Cameron, Fawn

Cook, Etha Melvina  
 Osborne, (Mrs.) Ruth Frys (*cum laude*)

##### Bachelor of Fine Arts

Cochran, Aradana Millett  
 Tunander, Ruth Viola

Wetzel, Hilda

#### COLLEGE OF ENGINEERING

##### Bachelor of Science in Chemical Engineering

Charles, Perry Lloyd<sup>1</sup>  
 Fukuzawa, Tanizo<sup>1</sup>

Ringstad, Myron Henry<sup>1</sup>

##### Bachelor of Science in Civil Engineering

Driscoll, Thomas, Jr.<sup>1</sup>  
 Edwards, Schyler Brice<sup>2</sup>  
 Hitchings, Allen

Ladner, James Guy  
 Moore, Talcott<sup>1</sup>

##### Bachelor of Science in Electrical Engineering

Almquist, Paul Bernard<sup>1</sup>  
 Barbee, William Lee  
 Chin, June Kee<sup>1</sup>  
 Edquist, Paul Englebrecht<sup>2</sup>  
 Larsen, Axel Martin<sup>1</sup>

Loomis, Alvin Jackson<sup>2</sup>  
 Olson, William Johann  
 Sinclair, Bliss Glead<sup>1</sup>  
 Weber, Walter Herman<sup>2</sup>  
 Whitman, Mortomer Augustus<sup>2</sup> (*cum laude*)

##### Bachelor of Science in Mechanical Engineering

Atchison, Clyde Stanley  
 Bissett, Ernest Eugene  
 McLeod, Lester Rounds<sup>1</sup>

Packer, Francis Avery<sup>2</sup>  
 Rummel, Corwin Parks

<sup>1</sup>Died, June 11, 1919.

## COLLEGE OF MINES

**Bachelor of Science in Mining Engineering**

Bullard, Russell Joseph

**Bachelor of Science in Metallurgical Engineering**

Thompson, John Howard

**Bachelor of Science in Geology and Mining**Johnson, Jess Charles (*cum laude*)

Patty, Ernest Newton

## COLLEGE OF FORESTRY

**Bachelor of Science in Forestry**

Brandstrom, Axel John Felix

Lind, Harry Milton

Durland, William Davies

Mercer, Frederick Bernard

Eldridge, Ferris Edwin

## COLLEGE OF PHARMACY

**Bachelor of Science**Ayres, Harry Warner<sup>1</sup>Smith, Turman Wheeler<sup>2</sup>Rawson, Merrill Oliver<sup>3</sup>

Wong, Ying Chun

**Pharmaceutical Chemist**Ayres, Harry Warner<sup>3</sup>

Wong, Ying Chun

**Graduate in Pharmacy**

Bennington, Edith

Boyd, Alice

## SCHOOL OF LAW

**Bachelor of Laws**

Baumgartner, Walter Louis

Lafromboise, Adam Arthur

Chamberlin, Henrietta Bloodgood

Lechner, Leslie Ambrose

Ellis, Floyd Earl

O'Connell, William Patrick

Fox, Roy Cecil

Peterson, Julius<sup>1</sup>

Gray, Spencer

Richardson, George Frederick, Jr.

Hartman, Albert Gus<sup>2</sup>Van Slatte, Eloise<sup>1</sup>

Hodge, Walter Hartman

## LIBRARY SCHOOL

**Bachelor of Library Economy**

Cordz, Marian

Goodwin, Helen Durrie

**Bachelor of Arts**

Bergh, May Alice

Lee, Marlon Winnifred

Donley, Helen Irene

Lewis, Marion June

Erchinger, Hazel Hildegard

Mathis, Floy Gladys<sup>3</sup>

Heden, Eleanor

Nelson, Agnes Ellenore

Holman, Norma Burnett<sup>3</sup>

Skewis, Shirley Martin

Hudson, Dorothy Sewall

Tully, Irene

## COLLEGE OF BUSINESS ADMINISTRATION

**Bachelor of Business Administration**

Bruggerhoff, Marguerite

McKibben, Wilbur Blaine

Gamwell, Barbara Greene

Morford, Kenneth James

Koller, Helen

## SCHOOL OF JOURNALISM

**Bachelor of Arts**

Hainsworth, Jeanette Florence

Mitchell, Hiram Sherman<sup>3</sup>

Hotelling, Addison Harold

Reynolds, Ada Thompson

Logan, Florence Leila

Riehm, Helen

Mathieu, Beatrice

## GRADUATE DEGREES

**Mechanical Engineer**

John Flodin

B. S. in M. E., University of Washington, 1913

Thesis: A Comparative Analysis of the Isherwood System of Ship Construction

**Metallurgical Engineer**

Elgin Roscoe Wilcox

B. S., University of Washington, 1915

Thesis: Part 1. The Influence of Certain Addition Agents Upon the Transference Number of Lead in Leadfluosilicate Solution. Part 2 Details of the Electric Furnace Industry in the Northwest

**Master of Arts**Anna Elnora Brakel<sup>1</sup> (Philosophy)

A. B., University of Washington, 1917

Thesis: The Common Ground of Mechanism and Vitalism

Rose Marie Boening<sup>1</sup> (History)

A. B., University of Washington, 1918

Thesis: The History of Irrigation in the State of Washington

Genevieve Elizabeth Caffrey<sup>1</sup> (Education)

B. S., University of Washington, 1916

Thesis: English in the High School from the Viewpoint of the College Student

David Wellington Freeman<sup>1</sup> (Education)

A. B., Drake University, 1903

A. M., Drake University, 1904

Thesis: A Statistical Study of the Development of the American Secondary School During the Last Quarter Century 1889-1916)

Bernard Freyd<sup>1</sup> (Philosophy)

A. B., University of Washington, 1916

Thesis: Problem of Truth in the Light of Modern Logic

Arthur Stanley Gist<sup>1</sup> (Education)

B. Ed., University of Washington, 1916

Thesis: A Concrete Study in Vocational Guidance of Pupils in the Grammar Grades

Robertson Riley Hollingsworth<sup>1</sup> (Education)

A. B., University of Washington, 1915

Thesis: Legal Provisions Relating to School Funds in the Territory of Washington, 1853-1889

David Hurwich<sup>1</sup> (Economics)

B. S., University of Washington, 1917

Thesis: A Consideration of War Finance with Analysis of the American Financial Measures of the First Year of the Great War

Minnie Lorna Johnson (History)

A. B., University of Washington, 1916

Thesis: Arbitrary Political Arrests During the Civil War

Walter Edmund Squire<sup>1</sup> (Psychology)

A. B., University of Washington, 1918

Thesis: A Study of Motor Controls

Ralph Emerson Stone (Education)

A. B., University of Idaho, 1918

Thesis: A Critical Analysis of Fifteen Second Readers

Lewis Cass Tidball (Education)

A. B., University of Wyoming, 1905

Thesis: The Influence of the War on the Schools of the Northwest

Isabel Weir Wallace<sup>3</sup> (Education)

A. B., Simpson College, 1907

Thesis: History of Education in Alaska

## DEGREES

293

William Neill Whitelaw<sup>1</sup> (Political Science)

A. B., Yale University, 1895

LL. B., Kansas City School of Law, 1905

Thesis: Political Reform and Constitutional Amendment in Washington

Ella Wintler<sup>1</sup> (German)

A. B., University of Washington, 1910

Thesis: Goethe's Interest in English Literature as Reflected in His Letters

### Master of Science

Emmett Carroll (Psychology)

B. S., University of Washington, 1916

Thesis: The Intelligence Tests Given Enlisted Men in the Thirteenth Naval District

Gordon Luther Cave<sup>1</sup> (Chemistry)

A. B., Bates College, 1913

Thesis: Arc Processes for Nitric Acid; a Fragment of the History of Chemistry

Annie Louise Fallis (Botany)

A. B., University of Washington, 1908

Thesis: Growth of the Fronds of *Nereocystis Luerkeana*

Katherine Eva Ludgate<sup>1</sup> (Psychology)

A. B., University of Washington, 1917

Thesis: Standardization of Some Performance Tests Among School Children

Clinton Louis Utterback<sup>1</sup> (Physics)

B. S. in E. E., Purdue University, 1909

Thesis: Transmission of Colored Light Through Fog

### Doctor of Philosophy

Addie Cornwall Eddy (English)

A. B. Simpson College, 1907

M. A., University of Washington, 1915

Thesis: The Evolution of the Eighteenth Century Hymn as Established by Watts and the Wesleys

## NORMAL DIPLOMAS

### University Life Diploma

Anderson, Lydia Cecilia<sup>2</sup>

Arthun, Mabel Viola<sup>2</sup>

Braidsen, Leo Bernard<sup>1</sup>

Ball, Florence<sup>2</sup>

Barry, Georgia Catheryne

Barter, Etta Elizabeth

Beckham, Leona Mary<sup>1</sup>

Bennett, Anna Helen Johnson

Bowden, Henrietta Lois<sup>1</sup>

Breazeale, Inez Edna Marie

Bruce, Harriett Lucinda

Budden, Agnes May<sup>2</sup>

Bunch, Agnes<sup>1</sup>

Byrd, Edna Mary<sup>2</sup>

Carroll, Joseph Douglas<sup>1</sup>

Coates, Frank Carl<sup>1</sup>

Collins, Opal Helena

Cook, Jessie Gordon<sup>2</sup>

Cox, Lola<sup>1</sup>

Crosby, Frances Nunn

Drake, Ethel<sup>1</sup>

Eustis, Stella Annette<sup>2</sup>

Evans, Florence Baptie<sup>1</sup>

France, Georgia Madgil

Fisher, Charlotte Lucille<sup>1</sup>

Gannon, William Joseph<sup>2</sup>

Garland, Martha<sup>1</sup>

Grier, Gladys Carney

Harris, Laura Loretta<sup>1</sup>

Hedges, Birdie

Hofmeister, Lillian Margaret

Hong, Nils Joseph<sup>1</sup>

Hood, Mary Elizabeth McClure<sup>1</sup>

Hooper, Mary Virginia

Hughes, Anne<sup>1</sup>

Hutchinson, Pearl Irene<sup>1</sup>

Imes, Henry<sup>1</sup>

Ivy, Ethel Pearl

Johnson, John Earl<sup>1</sup>

Johnson, Ralph<sup>1</sup>

Johnson, Ruth Frances<sup>1</sup>

Jones, Lulu Ione Mower<sup>1</sup>

Keene, Gertrude Beckett

Keppel, (Mrs.) Susane Mae<sup>2</sup>

Kittrell, Beatrice

Lawson, Penninah Belle

Leaderer, Evelyn Rosaen

Lind, Ralph Richard<sup>2</sup>

McClennen, Helen Rilla

McCorkle, Mae Diana<sup>1</sup>

McLean, Dollie<sup>1</sup>

McIntyre, Enola Frances

McKay, Iva Virginia

Mantz, Helen Arlena<sup>2</sup>

Marston, Mae<sup>1</sup>

Mathews, Minnie Lucille

Moe, Nettle Amelia

Moore, Helen Sauthard<sup>1</sup>

Parker, Alice Lelia

Parker, Catherine Anna<sup>2</sup>

Parolini, Elizabeth<sup>2</sup>

Patchin, Wilbur Harmon<sup>2</sup>

Perine, Esther Stewart<sup>2</sup>

Peterson, Frank William<sup>1</sup>

Platner, Goldie

Platner, Evelyn Idessa<sup>1</sup>

Potter, Mabel Idella  
 Pressley, Margaret Thaanum<sup>1</sup>  
 Rambo, Florence Maude<sup>1</sup>  
 Ray, Frances Bowle  
 Richards, (Mrs.) Emma Elizabeth  
 Robb, Helen  
 Robinson, Estella Erdine  
 Roberts, Ethol Brown<sup>3</sup>  
 Romine, Caroline<sup>2</sup>  
 Seal, Irene Mae  
 Sellg, Isabel  
 Shackelford, Charlotte  
 Shawler, Florence<sup>1</sup>  
 Slack, Jean Gertrude  
 Smith, Catharine Wright  
 Smith, Linna Pauley<sup>1</sup>  
 Smith, Marie Caroline<sup>1</sup>

Stoner, Lillian Una<sup>1</sup>  
 Stevens, Belle Alice  
 Sutter, Pearl Etta  
 Swartz, Leo  
 Swope, Helen Eugenia<sup>1</sup>  
 Thompson, Luciole May  
 Tomlinson, Margaret<sup>1</sup>  
 Trenholme, Lottie<sup>1</sup>  
 Uhl, Grace  
 Wallace, Belle Weir<sup>2</sup>  
 Wertman, (Mrs.) Eva McKinney<sup>2</sup>  
 Wilkie, Florence Matilda  
 Wilbur, Alvira<sup>1</sup>  
 Worthington, Grace  
 Worthington, Mariette<sup>2</sup>  
 Yerger, Bessie Pearl.

#### University Normal Diploma

Adams, Lucille Elizabeth<sup>1</sup>  
 Allison, Weaver Judson<sup>1</sup>  
 Beaven, Grace May<sup>1</sup>  
 Becker, Gladys Aileen  
 Beckwith, Beatrice Hortense  
 Bell, Doris Lillian<sup>1</sup>  
 Blair, Anna Clio<sup>2</sup>  
 Bolster, Helen<sup>1</sup>  
 Brown, Earl Theodore<sup>1</sup>  
 Burke, Florence Julia  
 Butcher, Bessie Elizabeth<sup>1</sup>  
 Caldwell, Elsie Georgiana<sup>2</sup>  
 Carney, William Harvey<sup>1</sup>  
 Cleland, Faith  
 Cole, Miriam Elizabeth  
 Corey, Esther Marie  
 Culver, Evelyn Louise  
 Connors, Edna Eliza<sup>1</sup>  
 Currie, Vera Marie  
 Dahlin, Ebba  
 Elford, Florence Mae  
 Ellis, John Boyd<sup>1</sup>  
 Elmore, Roma Marie Sartoris<sup>1</sup>  
 Enyart, Grace May  
 Falkoff, Anna Lea<sup>1</sup>  
 Fisher, Roberta Clair  
 Flint, Lois<sup>1</sup>  
 Foltz, Laura Azalia  
 Friars, Lola Eleanor  
 Gamwell, Barbara Greene  
 Gilluly, Cora  
 Gilman, Bonnie Ruth  
 Gille, Madell<sup>1</sup>  
 Goode, Helen Genevieve  
 Gose, Gladys  
 Greenleaf, Ruth Stetson<sup>3</sup>  
 Gwinn, Olive  
 Hall, Lucia<sup>2</sup>  
 Haller, Bernadine<sup>3</sup>  
 Hague, Martha Olive  
 Hawthorne, Rebecca Allison  
 Hindman, Edna  
 Howes, Jessie  
 Huff, Virginia  
 Hunter, Ruth Gertrude  
 Hyndman, Lucile Alva  
 Jackson, Edna Cosby  
 Jacobs, Isabel<sup>1</sup>  
 Jenns, Grace Manetta  
 Johnson, Rose  
 Jones, Alice Dowell  
 Jones, Ella Katharine  
 Kohlman, Marjorie  
 Lachman, Dorothy  
 Larson, Emma Carolyn  
 Lie, Borghild Constance  
 Lieberg, Vivian Helen<sup>2</sup>  
 Lindblom, Florence  
 Little, Edward Milton<sup>1</sup>

Lund, Katharine Louise<sup>1</sup>  
 McDonald, Claire<sup>1</sup>  
 McLennan, Margaret Isabel  
 McKee, George Meade  
 MacPherson, Lexie<sup>1</sup>  
 Magowan, Hazel Moe  
 Martinson, Esther  
 Matheson, Katherine Willetta  
 Meisnest, Darwin Mason  
 Merrifield, Florine Virginia  
 Miles, Alice  
 Morris, Erma May  
 Mulhern, Marie Elizabeth<sup>2</sup>  
 Murdoch, Mary Camille  
 Nelson, Helen<sup>1</sup>  
 Oakley, Eldora Viola<sup>2</sup>  
 Page, Elvie Belle  
 Parker, Catherine Anna<sup>1</sup>  
 Paust, Edna L Berta  
 Pershing, Helen Gene  
 Pierson, Ermine Clark<sup>1</sup>  
 Pritchard, Joseph Gordon  
 Puffer, Floyd Arthur  
 Quast, Florence Anne  
 Richter, Ella Paula  
 Robe, Dorothy Cecil  
 Roseleaf, Dorothy  
 Rouse, Winifred<sup>1</sup>  
 Scheurer, Genevieve<sup>2</sup>  
 Shalon, Israel Aaron  
 Short, Esther Lorinda  
 Shotwell, Catherine Maynard<sup>2</sup>  
 Smith, Truman Wheeler  
 Starr, Beatrice Evangeline<sup>1</sup>  
 St. Clair, Esther Anna<sup>2</sup>  
 Steendahl, Anna Serine<sup>1</sup>  
 Stolp, Rose Marie  
 Sully, Helen Margaret  
 Tift, Lillian Bryce<sup>1</sup>  
 Thelberg, Evelyn Elizabeth  
 Tunander, Ruth Viola  
 Tweed, Lucile  
 Twomey, Katherine Mackenzie  
 Ulleland, Astrid Olive  
 Vining, Marie<sup>1</sup>  
 Vinsonhaler, Sara Rea<sup>1</sup>  
 Waddingham, Elsie Kells<sup>2</sup>  
 Wallace, Clare Louise  
 Warner, Erma  
 Weage, Winifred DeElla  
 Wilson, Evelyn<sup>1</sup>  
 \*Whealdon, Maggie Fay  
 White, Katherine Eleanor  
 Wiggins, Mildred  
 Worthington, Grace<sup>2</sup>  
 Woods, Eva Jessie  
 Wright, Ruth Hamlin  
 Zacharias, Rose Lydia

<sup>1</sup>Died, June 11, 1919.

## SCHOLARSHIPS AND PRIZES AWARDED

June 10, 1919

The Judge Alfred Battle Debating Prize of \$75.00  
Not awarded 1919

The Philo Sherman Bennett Essay Prize of \$25.00  
Not awarded 1919

THE E. F. Blaine Oratorical Prize of \$100.00  
Awarded to the University of Oregon

The Judge Kenneth Mackintosh Debating Prize of \$75.00  
Not awarded 1919

The N. Paoletta Gold Medal for Excellence in Italian  
Miriam Neely Gardner

The Allen Dale Debating Cup  
Not awarded 1919

The Isabella Austin Memorial Scholarship for a Freshman Woman  
Amelia Ahlskog

The Edwin A. Jaggard Law Essay Prize of \$50.00  
Not awarded 1919

Men's Freshman Latin Prize of \$50.00  
Not awarded 1919

Sophomore Latin Prize of \$25.00  
Not awarded 1919

The University State Bank of \$25.00  
Not awarded 1919

The Judge Thomas Burke Prize of \$25 for Excellence in French  
Dorothy Helen Chesley

The Judge Thomas Burke Prize of \$15.00 for Excellence in French  
Alice Virginia Franklin

The Burke Prize of the China Club of \$25.00  
Wilbur Blaine McKibben

The Du Pont Scholarship of \$350.00  
W. A. Hardy

The Kellogg Prize of \$20.00 in Architecture  
Not awarded 1919

Junior Military Prize  
Cecil Byron Jamieson

The Samuel Rosenberg Scholarship of \$200.00 in French  
Elizabeth White Mosseau for 1918-19  
Marie Antoinette Michea for 1919-20

The Loretta Denny Fellowships  
Ebba Dahlin (History)

A. B., University of Washington, 1919

Homer Foster (Political Science and Philosophy)  
A. B., Washington State College, 1914

Floyd Whitney Gail (Botany)  
A. B., University of Nebraska, 1911; A. M., 1912

Glen Arthur Hughes (English)  
A. B., Stanford University, 1916

Curtis Willard Thing (Chemistry)

B. S., Lennox College, 1914; M. S., University of Washington, 1917



## Fellowships in the College of Mines and the Seattle Station United States Bureau of Mines

John Sebastian Lelsbon (Ceramics)

Clarence LeRoy Olsen (Metallurgy)

Arthur Wichmann (Metallurgy)

## The Columbia University Fellowship in Mining, Engineering and Chemistry

Not awarded 1919

## The Mars Fellowship

Not awarded 1919

## SENIOR SCHOLARS

## Class of 1919

Blair, Anna Olo	English
Dahlin, Ebba	History
Enger, Harold Carl	Business Administration
†Hill, Ethel	German
Ketcham, Virginia King (Mrs.)	English
McBrawn, Vivian Thomas (Mrs.)	Journalism
Oakley, Eldora Viola	Education
Powell, Janet Elizabeth	Philosophy
Short, Esther Lorinda	English
Ulleland, Astrid Olive	History

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 †Died, November 15, 1918.

## REGISTER OF STUDENTS—1919-1920

Aalto, Ilmi August.....Douglas Alaska	Ahrens, Frederick Russel.....Farmington
UD, ME.....4045 14th Av NE	Unc, Bus.....4549 15th Av NE—Ken 475
Abaya, Vincente.....Philippines	Ainsworth, Ruth.....Newport
Unc, CE.....1404 E 41st St	LD, LA.....4714 17th Av NE—Ken 2253
Abbott, Bernice Elizabeth.....Seattle	Aitchison, Harold Forrest.....Spokane
LD, LA.....5813 Univ Blvd	LD, Bus.....5203 Brooklyn Av
Abel, Donald George.....Hoquiam	Aitken, Victor Marshall.....Bellingham
3d, Law.....4245 Brooklyn Av—N 302	UD, Bus.....4505 18th Av NE—Ken 333
Abel, Dora Edwards.....Seattle	Ajax, Ivor Lerois.....Wenatchee
Unc, FA.....5304 Gratton St—Rai 390W	LD, Bus.....911 Lakeview Blvd—Cap 1776
Abel, Lena.....Montesano	Ake, Cora Thane.....Mountain Home, Ida
UD, Sci.....4547 19th Av NE—Ken 23	Unc, LA.....1416 E 41st St—N1550
Abel, Marjory.....Montesano	Akerstein, Benny.....Harbin, Russia
UD, Ed.....4547 19th Av NE—Ken 23	Unc, ME.....1219 Yealer Way
Abel, Robert Bryan.....Montesano	Akimoto, Hanziro.....Blakely
1st, Law.....1805 E 47th St—Ken 2431	LD, LA.....
Abell, Charles Henry.....Seattle	Alambra, Zanducta Rufo.....Philippines
LD, Bus.....5002 11th Av NE	Sp, Bus.....1404 E 41st St
Abelset, Marcus.....Seattle	Alba, Felixberto O.....Philippines
3d, Law.....4227 1st Av NE—N 2085	LD, Sci.....1404 41st St NE
Aben, y Rivera Fidel.....Philippines	Albee, Archie V.....Seattle
Sp, Law.....5243 19 Av NE	UD, Jour.....2488 W 57th St
Accna, Eladio.....Philippines	Alben, Edward A.....Vancouver, Wash
Sp, Sci.....401 5th Av	LD, ME.....327 1/2 Belmont Av N
Acker, Earl V.....Centralla	Albert, Norman.....Snohomish
LD, Phar.....3036 Woodland Pk Av	LD, CE.....4071 9th Av NE
Acklen, Joseph Warren.....Juneau, Alaska	Alberts, Florence B.....Seattle
LD, LA.....1809 Howard Av—E1820	UD, Ed.....609 W Nicholson St—QA 4758
Adams, Anna Cate.....Seattle	Alberts, Hazel Estella.....Seattle
LD, Bus.....1068 E Newton—Cap 1177	UD, LA.....609 W Nicholson St—QA 4758
Adams, Arlene.....Seattle	Albright, Wesley A.....Voorheesville, New York
LD, FA.....3714 14th Av NE—N 3312	Unc, For.....5217 12th Av NE
Adams, Carlton Fitch.....Seattle	Alcorn, Esther.....Dayton
LD, EF.....3714 14th Av NE—QA 724	Unc LA.....4518 Univ Blvd
Adams, Dewey K.....Seattle	Aldrich, Eric Newton.....Walla Walla
SP, CE.....1212 N 48th St—N 1749	LD, Bus.....1616 E 47th St
Adams, Harold W.....Bellingham	Aldrich, Fremont Newburn.....Seattle
Grad.....YMCA — M 5208	Sp, LA.....715 E 45th St
Adams, James Hall.....Touchet	Aldwell, Norah Ellen.....Port Angeles
LD, EE.....4219 Brooklyn Av	LD, Bus.....1515 E Madison St—E5400
Adams, Jeanette A.....Seattle	Alexander, Conrad Jesse.....Yakima
UD, LA.....4538 18th Av NE—Ken 1429	LD, LA.....1407 E 45th Av—Ken 1595
Adams, Leta Zoe.....Seattle	Alexander, Brian B.....Victoria, B. C.
LD, Bus.....5101 Wallingford Av	LD CE.....5211 16th Av NE—Ken 3624
Adams, John Middleton.....Bellingham	Alexander, Burns Margaret.....Portland, Ore
Grad.....4327 11th Av NE—Ken 3524	LD, FA.....5026 Univ Blvd—Ken 2480
Adams, G. Stanley.....Spokane	Alexander, O'Henry.....Portland, Or
LD, EF.....Terry Hall, Campus—N60	Unc, Sci.....
Adams, Vivian Irene.....Seattle	Alexander, Phyllis.....Bryn Mawr
Unc, FA.....4552 12th Av NE—Ken 1913	LD, FA.....Bryn Mawr
Adamson, John Quincy.....Sherman, Tex	Alfonso, Marie.....
UD, Bus.....4532 19th Av NE—Ken 2646	Grad.....4337 14th NE—Ken 576
Adamson, Merritt.....Seattle	Algeo, Thomas Herbert.....Tacoma
LD, LA.....230 W 48th St	LD, Sci.....Lander Hall, Campus—N 60
Addy, Helen Frances.....Seattle	Allinder, Elsie Kathryn.....Seattle
LD, FA.....4715 18th Av NE—Ken 888	LD, Sci.....7347 18th Av NW
Adelson, Abraham M.....Seattle	Allen, Helen F.....Seattle
Unc, EE.....YMCA	UD, LA.....4524 Univ Blvd—Ken 2496
Aells, Margaret Kathryn.....Dayton	Allard, Hazel Willa.....Seattle
LD, Bus.....5725 Univ Blvd	Unc, FA.....918 W 64th St
Affleck, David Arthur.....Marysville	Allen, Albert Alexander.....Seattle
LD, LA.....Landers Hall—Campus—N60	LD, Bus.....304 E Olive Pl—E 710
Afrolan, Adriano.....Philippines	Allen, Alton E.....Seattle
Unc, EE.....4115 15th Av NE	LD, Bus.....4506 Univ Blvd—Ken 291
Agen, John Stuart.....Seattle	Allen, Arnold Southwick Jr.....Seattle
LD, Bus.....3510 Rainier Av	LD, Bus.....1162 15th Av N—E 5650
Aquila, Jose.....Philippines	Allen, Baitin.....Portland, Or
LD, Bus.....4742 Brooklyn Av—Ken 1847	Unc, Bus.....5212 18th Av NE—Ken 199
Aguinaldo, Pedro D.....Philippines	Allen, David Clyde.....Tacoma
Sp, CE.....907 8th Av—Ell 4444	LD, ME.....4515 7th Av
Ahlberg, Ethel Clara.....Seattle	Allen, Doris M.....Duvall
LD, LA.....5212 Keystone Pl—N3740	LD, LA.....4746 16th Av NE

- Allen, Charles Edward.....Seattle  
 LD, EE.....4522 18th Av NE—Ken 3681  
 Allen, Erdman J.....Seattle  
 LD, ChE.....6520 Latona Av—Ken 1986  
 Allen, George William.....Spokane  
 LD, Bus.....4550 18th Av NE—Ken 3072  
 Allen, Glenna Oliva.....Seattle  
 LD, Sci.....5046 20th Ave NE—Ken 1074  
 Allen, Herbert W Jr.....Spokane  
 LD, Bus.....4532 18th Av NE—Ken 2827  
 Allen, John M.....Seattle  
 2d, Law.....1616 E 47th St—Ken 149  
 Allen, John Wesley.....Hood River, Or  
 LD, Bus.....4532 18th Av NE—Ken 2827  
 Allen, Joseph Miller.....Tacoma  
 LD, Bus.....4582 10th Av NE—Ken 2046  
 Allen, Lorraine.....Seattle  
 LD, Bus.....4710 Univ Blvd—Ken 1857  
 Allen, Lucile.....Greencastle, Ind  
 Grad.....5018 Univ Blvd—Ken 819  
 Allen, Mabel Mary.....Yakima  
 LD, Sci.....2399 51st St N—N 3526  
 Allen, Marshall.....Seattle  
 LD, Sci.....917 12th Av N  
 Allen, Robert Lee.....Seattle  
 LD, Bus.....1616 E 47th St—Ken 149  
 Allen, Thomas James.....Seattle  
 LD For.....5038 Univ Blvd  
 Allen, Thomas S.....Seattle  
 Unc, Bus.....1102 15th Av N—E 5650  
 Allen, Vera.....Seattle  
 LD, LA.....5020 15th Av NE—Ken 2193  
 Allez, George Clare.....Roundup, Mont  
 LD, For.....Lander Hall Campus—N 60  
 Allibone, Pearl Hannah.....Seattle  
 Sp, Phar.....1909 Yale Pl N—Cap 3639  
 Allison, Thomas Lyl.....Bremerton  
 LD, Bus.....4504 16th Av NE—Ken 647  
 Alper, Morris.....Seattle  
 LD, ME.....2011 Washington St  
 Alm, Dewey William.....Mt Vernon  
 Unc, Bus.....4520 21st Av NE—Ken 2600  
 Altick, Ruth M.....Seattle  
 Unc, LA.....1714 Ravenna Blvd  
 Alton, Robert D.....Seattle  
 Sp.....1708 Madrona Dr—E 2904  
 Alvord, Mary Hamilton.....Chehalis  
 Unc, Law.....Clark Hall, Campus—N 282  
 Amalleff, Sergius.....Seattle  
 LD, ME.....1717 9th Av S  
 Amesbury, Helen Jean.....Portland, Or  
 Unc, Bus.....YWCA—M7291  
 Ames, Anne.....Seattle  
 1132 Harvard Av N  
 Amiot, Maurice.....Spokane  
 LD, LA.....416 Leary Av  
 Amos, Felipe R.....Philippines  
 Unc, For.....  
 Anderberg, Marvin Ofelt.....Spokane  
 LD, ME.....Lander Hall Campus—N 60  
 Andersen, August John.....Seattle  
 Sp, CE.....210 8th Av N—E11—2712 J  
 Andersen, Francis B.....Seattle  
 UD, Ed.....3409 25th Av S  
 Andersen, Julius C.....Seattle  
 Unc, Phar.....8337 10th Av NW—Bal 2250  
 Andersen, Robert Elsmere.....Seattle  
 LD, LA.....8337 10th Av NW—Bal 2250  
 Anderson, Adolph.....Battle Ground  
 LD, EE.....5522 14th Av NE  
 Anderson, John Algot.....Seattle  
 Unc, EE.....4203 Dayton Av—N 3585  
 Anderson, Andrew Wallace.....Seattle  
 LD, Fisheries.....1635 14th Av—E 4403  
 Anderson, Anton Lee.....Creston  
 LD, Sci.....5503 16th Av  
 Anderson, Arthur Andrew.....Mitchell, S Da  
 Unc, Bus.....Abbotsford Apts—M 3927  
 Anderson, Bernice.....Seattle  
 Unc, Sci.....4323 Sunnyside Av  
 Anderson, Bert E.....Chehalis  
 Unc, LA.....1527½ E 31st St  
 Anderson, Carl.....Seattle  
 LD, Min.....2258 W 57th St—Bal 3822  
 Anderson, Carl Marvin.....Tillamook, Or  
 LD, For.....128 Highland Drive  
 Anderson, Dorothea Marie.....Seattle  
 LD, Bus.....5605 12th Av NE  
 Anderson, Dorothy.....Seattle  
 UD, Sci.....816 Shelby St—Cap 1490  
 Anderson, Earl Whitmore.....Kennewick  
 Unc, Bus.....1205 E 45th St  
 Anderson, Edgar.....Ketchikan, Alaska  
 LD, Phar.....4121 14th Av NE—N 745  
 Anderson, Edgar.....Seattle  
 Sp, Law.....6046 27th Av NE  
 Anderson, Edwin L.....Chinook  
 LD, Fisheries.....  
 Anderson, Ella Blvera.....Hoquiam  
 UD, LA.....4514 18th Av NE—Ken 188  
 Anderson, Andrew Elmer.....Fairbanks Alaska  
 UD, Min.....4126 12th Av NE  
 Anderson, Elmer.....Issaquah  
 Unc Bus.....5023 16th Av NE  
 Anderson, Evelyn Martha.....Seattle  
 UD, Sci.....1724 W 64th St—Bal 3931  
 Anderson, George Andrew.....Portland, Or  
 LD, Bus.....5025 15th Av NE—Ken 1617  
 Anderson, Harold W.....Everett  
 LD, Bus.....5235 17th Av NE—Ken 618  
 Anderson, Helen Ethelyn.....Seattle  
 LD, LA.....4547 Univ Blvd  
 Anderson, Hilding.....  
 Sp, Bus.....  
 Anderson, Hilma Emelle.....Colton, Or  
 UD, LA.....5229 10th Av NE  
 Anderson, Hope.....Seattle  
 LD, LA.....1819 18th Av—E 2091  
 Anderson, John.....Seattle  
 LD, LA.....6845 18th Av NE—Ken 427  
 Anderson, John Franklin.....  
 Sp, Ed.....4211 Brooklyn Av—N 1637  
 Anderson, Lou E.....Seattle  
 UD, Sci.....5018 20th Av NE—Ken 074  
 Anderson, Lucien Fred.....Portland, Or  
 Sp, LA.....4822 36th Av NE  
 Anderson, Felton Mabel.....Seattle  
 LD, LA.....5027 16th Av NE—Ken 907  
 Anderson, Mary H.....Seattle  
 UD, LA.....4710 Univ Blvd—Ken 1857  
 Anderson, Melvin Gearhardt.....Seattle  
 LD, Fisheries.....939 10th Av N—E 2477  
 Anderson, Myrtle.....Anaconda, Mont  
 UD, Bus.....5218 Univ Blvd  
 Anderson, Philena Mary.....Mt Vernon  
 LD, FA.....5804 15th Av NE—Ken 1249  
 Anderson, Ray Horace.....Mt Vernon  
 LD, Bus.....1205 Hamlin St—Cap 8421  
 Anderson, August Reinhold.....Seattle  
 UD, Sci.....406 11th Av N—Cap 1648  
 Anderson, Robert Freeman.....Spokane  
 UD, Bus.....4506 Univ Blvd—Ken 291  
 Anderson, Robert S.....Mt Vernon  
 UD, Sci.....4550 18th Av NE—Ken 3072  
 Anderson, Sylvester.....Everett  
 Unc, EE.....5212 18th Av NE—Ken 887  
 Anderson, Vida.....Everett  
 LD, LA.....4534 Univ Blvd—Ken 20  
 Anderson, Virgil L.....Tacoma  
 UD, Bus.....1906 E 45th St—Ken 2171  
 Anderson, Walter James.....Coeur d'Alene, Ida  
 Unc, Bus.....803 9th Av  
 Andrews, Emery Eggleton.....Modesto, Cal  
 LD, LA.....1431 E Northlake Av  
 Andrews, Donald Jennings.....Vancouver, Wash  
 LD, For.....YMCA—N 2634

- Andrews, La Mar Bert.....Spokane  
 LD, Bus.....1006 E 45th St—Ken 2171  
 Andrews, Roy Gardiner.....Seattle  
 Unc, LA.....5946 38th Av SW  
 Andrews, Ruth Potter.....Seattle  
 Unc, LA.....3717 W Raymond St—W 832 M  
 Andrews, Selden Spencer.....Walsenburg, Col  
 UD, For.....1906 E 45th St—Ken 983  
 Andrews, Seth Richard.....Auburn  
 Sp, Phar.....Auburn  
 Angle, Herbert Grant.....Shelton  
 LD, Bus.....4532 18th Av NE—Ken 2827  
 Angove, Clarence V.....Seattle  
 UD, EE.....1318 Harrison St—Cap 2249  
 Angst, Ernest C.....Chehalis  
 LD, Sci.....4740 14th Av NE  
 Annett, Winifred.....Hoquiam  
 LD, Bus.....4740 21st Av NE  
 Annis, Verle Lincoln.....Alderton  
 LD, FA.....4121 14th Av NE—N 745  
 Antonsen, Louie.....Seattle  
 Sp, Bus.....4330 11th Av NE  
 Aplin, Harold Cooper.....Bellingham  
 LD, LA.....5235 Univ Blvd—Ken 618  
 Applebaum, Gilbert Harold.....Spokane  
 LD, Bus.....4537 12th Av NE—Ken 1199  
 Applegate, Lindsay Moritz.....Harrington  
 LD, EE.....Terry Hall Campus—N 60  
 Aral, Clarence T.....Seattle  
 LD, CE.....125 Prefontaine Pl—M 649  
 Aral, Kichlo Allen.....Seattle  
 Unc, FA.....221 9th Av S—M 4883  
 Arant, Bernardine Russell.....Lewiston, Ida  
 LD, Ed.....4035 15th Av NE  
 Archer, Helen.....Seattle  
 LD, LA.....5527 Univ Blvd—Ken 2070  
 Archer, Raymond B.....Seattle  
 LD, LA.....6281 18th Av NE  
 Archey, Howard Dean.....Seattle  
 LD, Bus.....2120 E 47th St—Ken 1176  
 Argens, Oscar Richard.....Seattle  
 LA, Bus.....317 Eastlake Av—Cap 2104  
 Arkley, Helen.....Tacoma  
 LD, Phar.....4548 Univ Blvd—Ken 2934  
 Armitage, Harriet.....Billings, Mont  
 LD, FA.....5637 15th Av NE  
 Armitage, Harry.....Yakima  
 LA, Bus.....1005 E 47th St—Ken 84  
 Armond, Leroy F.....Portland, Or  
 LD, ChB.....1906 E 45th St—Ken 2171  
 Armstrong, Dorothy G.....Butler, Mo  
 UD, Jour.....5217 18th Av NE—Ken 481  
 Armstrong, Edythe.....Seattle  
 Unc, FA.....2435 Federal Av—Cap 2560  
 Armstrong, Florence Grant.....Seattle  
 Grad.....2010 1/2 Boylston Av N  
 Armstrong, Mildred Eileen.....Seattle  
 LD, FA.....1818 E 50th St—Ken 2384  
 Armstrong, Raphael Winton.....Tacoma  
 LD, Bus.....1711 14th Av  
 Armstrong, Ruth.....Seattle  
 UD, LA.....4618 19th Av NE—Ken 2564  
 Armstrong, Spencer.....Everett  
 UD, Bus.....4520 21st Av NE—Ken 2600  
 Arnesen, Elias Thorleif.....Seattle  
 LD, LA.....1015 Union St  
 Arnold, Eugene Kirkman.....Seattle  
 LD, Bus.....1908 E 45th St—Ken 2171  
 Arnold, Frederick Grey.....Seattle  
 LD, EE.....2428 E 45th St  
 Arnold, G. Philbrick.....Seattle  
 LD, ME.....3046 Beacon Av  
 Arnold, Ruth Louise.....Naches  
 UD, FA.....Ken 2181  
 Arnott, Peter Roy.....Palo Alto, Cal  
 LD, ChB.....YMCA B11 4444  
 Arntzen, Albert Wilford.....Parkland  
 LD, Bus.....Lander Hall, Campus—N 60  
 Arntzen, Edward Jargo.....Parkland  
 UD, Ed.....Lander Hall Campus—N 60  
 Arthur, Amber.....Seattle  
 UD, Bus.....5004 Univ Blvd—Ken 298  
 Ashtin, Emmett Raymond.....Seattle  
 LD, EE.....606 E Thomas St—Cap 793  
 Asmussen, August Julius.....Stettler, Canada  
 LD, ME.....4549 15th Av NE  
 Asp, Florence.....Seattle  
 LD, Bus.....6326 16th Av NE—Ken 3201  
 Aspend, Helen Rachel.....Colville  
 UD, Ed.....5214 Univ Blvd—Ken 844  
 Astrup, Henry C Mark.....Seattle  
 Unc, LA.....6335 5th Av NE—Ken 2392  
 Atkin, Irene May.....Seattle  
 UD, Sci.....5233 15th Av NE—Ken 1540  
 Atkinson, Evelyn Ann.....Seattle  
 UD, LA.....1540 Grandview Pl  
 Atkinson, Helen D.....Tacoma  
 LD, LA.....Seattle  
 Augerson, Harold Wilbur.....Seattle  
 LD, ME.....4530 14th Av NE—Ken 555  
 Auld, Willis R.....Granger  
 LD, LA.....Lander Hall, Campus  
 Austin, George Ray.....Seattle  
 UD, Ed.....3648 Burke Av—N 1408  
 Austin, Russell A.....Aberdeen  
 LD, Bus.....5212 20th Av NE  
 Avery, Dolores.....Seattle  
 LD, Bus.....4742 18th NE—Ken 396  
 Avey, Ralph Dallas.....Kent  
 Unc ChE.....322 10th Av N—E 2610  
 Aviado, Jose.....Philippines  
 Unc, CE.....4212 Cascade View Dr—Ken 1751  
 Axman, Bertram.....Seattle  
 LD, EE.....1010 E Republican St—Cap 1232  
 Axmen, Ernest.....Seattle  
 UD, EE.....1010 E Republican St—Cap 1232  
 Ayer, Mrs Cora E.....Seattle  
 Sp, LA.....4215 Brooklyn Av—N 1967  
 Ayer, Elizabeth.....Seattle  
 UD, FA.....4215 Brooklyn Av NE  
 Ayer, John.....Seattle  
 LD, Bus.....4215 Brooklyn Av  
 Ayers, Leland Stanford. San Francisco, Cal  
 Unc, LA.....5115 Wallingford Av—N 1291  
 Ayres, Katharine M.....Seattle  
 UD, Sci.....Clark Hall, Campus—N262  
 Ayers, Pearl.....Wapoto  
 UD, Sci.....Lewis Hall, Campus  
 Bach, Roy Odell.....Seattle  
 UD, EE.....4113 7th Av S  
 Bachelor, Robert W.....Oakville  
 UD, Bus.....326 E 54th St—Ken 2586  
 Backues, Kittle Clyde.....Seattle  
 Sp, LA.....317 15th Av N—E 587  
 Bacon, Francis T.....Plumner, Ida  
 Sp, Phar.....910 Univ St. Ell 1693  
 Bradley, Wilbur F.....Portland, Or  
 LD, Bus.....4508 Univ Blvd—Ken 236  
 Baehr, John Claus.....Seattle  
 LD, CE.....1809 Nob Hill Av—OA 1351  
 Baer, Sydney H.....Hoquiam  
 LD, Bus.....Seattle  
 Baes, Florence Amalia.....Seattle  
 LD, LA.....4703 81st Av S  
 Bagley, Raymond John.....Tacoma  
 LD, Phar.....4131 14th Av NE  
 Bailey, Dorothy B.....Seattle  
 LD, Sci.....5003 9th Av NE  
 Bailey, Dorothy Mary.....Olympia  
 LD, Bus.....4039 12th Av NE  
 Bailey, James Milton.....Seattle  
 LD, LA.....1605 E 47th St—Ken 84  
 Bailey, Margaret E.....Junction City, Or  
 UD, Bus.....1804 E 63d St

- Bailey, Norva E.....Elma  
 LD, LA.....4133 Burke Av—N 323  
 Bailey, Park Willis.....La Conner 3  
 LD, LA.....4006 1st Av NE  
 Bailey, Theodora Abbott.....Seattle  
 LD, LA.....4541 14th Av NE—Ken 158  
 Bailey, William Locke.....Seattle  
 UD, LA.....4541 14th Av NE—Ken 158  
 Bailie, Provis Mary.....Yakima  
 Unc, Bus.....5014 15th Av NE  
 Bailie, Robert Trezona.....Yakima  
 Unc, Bus.....5003 18th Av NE  
 Bain, Margaret Dorman.....Seattle  
 Unc, Bus.....1126 31st Av—E 6952  
 Bair, Julian H.....Seattle  
 Sp, Fisheries.....5001 45th Av SW—W 107 J  
 Baird, Elizabeth.....Seattle  
 UD, LA.....5026 16th Av NE—Ken 2124  
 Baird, Lloyd Tallmadge.....Seattle  
 LD, Bus.....1616 E 47th St—Ken 149  
 Bakala, Victor Frank.....Colfax  
 LD, LA.....4222 10th Av NE  
 Bakeman, Frances Louise.....Snohomish  
 LD, Ed.....5516 10th Av NE—Ken 2741  
 Baker, Albert Lundy.....Yakima  
 LD, EE.....4503 Univ Blvd—Ken 236  
 Baker, Charity Foxwell.....Seattle  
 LD, Bus.....4822 Graham St—Ral 1063M  
 Baker, Dorothy Ada.....Seattle  
 LD, Sci.....5209 Brooklyn Av—Ken 706  
 Baker, Mrs Elizabeth H.....Seattle  
 Unc, FA.....1230 46th Av N  
 Baker, Morton Charles.....Spokane  
 LD, Bus.....4520 21st Av NE—Ken 2600  
 Baker, Richard Downing Jr.....Seattle  
 LD, CE.....4142 12th Av NE  
 Baker, Sarah E.....Seattle  
 LD, LA.....2107 N 62nd St  
 Baker, Warren Benjamin.....The Dalles, Or  
 Unc, ME.....4133 Burke Av—N322  
 Bakke, Fritjof William.....Spokane  
 LD, EE.....5235 Univ Blvd—Ken 618  
 Balais, Daniel.....Philippines  
 Sp, Sci.....401 5th Av  
 Baldwin, Clarence H.....Elma  
 Unc, Bus.....1605 E 47th St—Ken 2431  
 Baldwin, David Edward.....Vashon  
 UD, Bus.....1906 E 46th St—Ken 2171  
 Ball, Ardis L.....Seattle  
 LD, FA.....1209 Sylvester Pl—Ken 2423  
 Ball, Patricia A.....Big Piney, Wyoming  
 UD, LA.....4718 Univ Blvd—Ken 1882  
 Ball, Philip Kalford.....Raleigh, N. C.  
 Sp, CE.....1109 E 45th St  
 Ball, Rollyn John.....Seattle  
 LD, Bus.....1209 Sylvester Pl—Ken 2434  
 Ballard, James McKinley.....Seattle  
 Sp, Law.....4116 Woodland Park Av  
 Ballinger, Douglas T.....Seattle  
 LD, LA.....406 Galer St—Q A 668  
 Baimner, Betty.....Seattle  
 LD, FA.....4710 Univ Blvd—Ken 1857  
 Balzer, Norbe Charles.....Spokane  
 LD, LA.....1109½ 45th St  
 Banker, Helen Doris.....Winthrop  
 LD, LA.....4714 Univ Blvd—Ken 2253  
 Banks, Amy Theodora.....Seattle  
 LD, Jour.....6019 16th Av NE—Ken 2220  
 Banks, Hugh Thomas.....Seattle  
 LD, LA.....5019 16th Ave NE—Ken 2220  
 Bannwarth, Charles Gustave.....Foster  
 LD, Bus.....5015 Univ Blvd—Ken 3169  
 Bar, William Lawrence.....Seattle  
 2d, Law.....1515 E Madison St—E 5901  
 Barbare, Peter J.....Portland, Or  
 Unc, ME.....2120 E 47th St  
 Barbee, Peyton Jr.....Seattle  
 UD, LA.....622 Bell St  
 Barber, Edward A.....Weiser, Ida  
 Unc, LA.....N 525  
 Barber, Frank Clayton.....Wenatchee  
 LD, Min.....5011 19th Av NE—Ken 2865  
 Barber, Howard Brown.....Seattle  
 Unc, ME.....4012 Sunnyside Av  
 Barclay, Charles Paul.....Black Diamond  
 UD, Bus.....4504 16th Av NE—Ken 647  
 Barclay, Elizabeth.....Tacoma  
 LD, LA.....4540 Univ Blvd—Ken 1092  
 Bardarson, Otto Vathne.....Blaine  
 LD, LA.....4505 7th Av NE—Ken 333  
 Bardon, Bardon.....Seattle  
 Unc, LA.....4254 7th NE—N 3795  
 Bardon, Guy John.....Seattle  
 LD, LA.....4254 7th Av NE—N 3795  
 Bardon, Peter Jeremiah.....Seattle  
 Grad.....4254 7th Av NE—N 3795  
 Barker, James Edward.....Stevensville, Mont  
 UD, ChE.....104 17th N—E 4263  
 Barker, Stuart Douglas.....Seattle  
 Unc, Law.....4520 21st Av NE—Ken 2600  
 Barkley, Catherine Carrier.....Aberdeen  
 Unc, Ed.....4700 19th Av NE  
 Barkwill, Bernard G.....Seattle  
 LD, Sci.....1812 16th Av—E 872  
 Barline, Helen.....Spokane  
 UD, Sci.....5256 16th Av NE—Ken 642  
 Barlow, Hertilla.....Tacoma  
 UD, Sci.....4714 Univ Blvd—Ken 2253  
 Barnecut, George D.....Seattle  
 Unc, Bus.....4106 24th Ave SW—W 359 M  
 Barnes, Bee Bradford.....Olympia  
 LD, Bus.....4706 14th Av NE—Ken 1677  
 Barnes, Ernest.....Olympia  
 LD, Bus.....4706 14th Av NE—Ken 1677  
 Barnes, Frances Jane.....Seattle  
 LD, LA.....4039 12th Av NE—N 3370  
 Barnes, Lois Nadine.....Chelan  
 LD, Bus.....4530 Univ Blvd—Ken 083  
 Barnes, Mildred.....Seattle  
 UD, Sci.....Bitter Lake—Bal 1695  
 Barnes, Rex Scott.....Seattle  
 LD, CE.....3010 16th Av S—Bea 1783  
 Barnes, C Wendell.....Goldendale  
 LD, Bus.....4527 12th Av NE  
 Barnhill, Othiel.....Everett  
 LD, FA.....5212 18th Av NE—Ken 887  
 Barnhisel, Kathryn.....Tacoma  
 LD, Ed.....4524 Univ Blvd—Ken 2496  
 Barnhisel, A. Howard.....Tacoma  
 LD, For.....4505 18th Av NE—Ken 333  
 Barquist, Walter Conrad.....Seattle  
 LD, Min.....410 E Mercer St—Cap 3351  
 Barrall, Elizabeth R.....Seattle  
 Unc, LA.....822 32d Av—E 7527  
 Barrett, Marshall Newton.....Vancouver  
 LD, Sci.....4524 19th Av NE—Ken 570  
 Barrett, Roy Irwin.....Bremerton  
 Unc, Phar.....301 Pacific Av—Bremerton  
 Barron, Fred.....Seattle  
 LD, Ed.....323 Peoples Bk Bldg—M 6564  
 Barrows, Eleanor.....Seattle  
 LD, Bus.....1205 Hamlin St—Cap 3421  
 Bartel, Edythe Lorraine.....Oroville  
 LD, Bus.....Lewis Hall, Campus—N 162  
 Bartels, Fred.....Cottage Grove, Or  
 Unc, Min.....4620 22nd Av NE  
 Bartholomew, Wayne Lyle.....Seattle  
 LD, Bus.....300 27th Av S—Bea 2017  
 Bartlett, Clara.....Seattle  
 LD, LA.....4504 18th Av NE—Ken 146  
 Barton, Louisa Beal.....Tamil Station  
 Unc, LA.....Tamil Station—Box 77  
 Basa, Aproniano.....Philippines  
 Sp, Sci.....Sorrento Hotel, Mad & Terry St  
 Bassett, Charlotte Anne.....Hoquiam  
 UD, Sci.....4508 16th Av NE—Ken 2768

Batchelder, Harry Benson.....	Arlington	Beeler, Donald Taylor.....	Seattle
LD, Bus.....4323 Burke Av—N 790		LD, Sci.....766 30th Av—E 7623	
Bates, Bernard R.....	Tacoma	Belden, Fannie Evelyn.....	Sp, LA.....4045 Brooklyn Av—N 2416
UD, LA.....4550 18th Av NE—Ken 3072		Bell, Bonnie.....	Seattle
Bates, John M.....	Portland, Or	UD, LA.....	340 17th Av N
LD, Fisheries.....4580 14th Av NE—Ken 555		Bell, Ellis Walter.....	Mt Union, Ida
Bates, Kenneth Ogden.....	Tacoma	LD, ME.....	YMCA
LD, Bus.....4550 18th Av NE—Ken 3072		Bell, Helen B.....	Seattle
Bath, Gerald H.....	Tacoma	Unc, Bus.....	4733 16th Av NE
UD, LA.....4550 18th Av NE—Ken 3072		Bell, Edward James.....	Port Townsend
Batson, Mabel A.....	Seattle	LD, Por.....	Lander Hall, Campus—N 60
Sp, Sci.....5039 15th Av NE—Ken 806		Bell, James Nelson.....	Tacoma
Battig, Albert Joseph.....	South Prairie	Unc, Phar.....	
LD, LA.....	5043 18th Av NE	...Fremont Drug Co. Fremont & Blewitt	
Baucom, Irene.....	Portland Or	Bell, John Karl.....	Yakima
Grad.....	4718 Univ Blvd—Ken 1882	1st, Law.....	4616 21st Av NE—Ken 480
Baudino, Andrew.....	Wallace, Ida	Bell, Margaret Elizabeth.....	Seattle
Unc, Bus.....	4504 16th Av NE—Ken 647	LD, LA.....	720 Bellevue Av N—Cap 2445
Bauer, Ruby Adele.....	Ritzville	Bell, Ward Y.....	4000 14th Av NE—N 9
LD, FA.....	4547 19th Av NE—Ken 23	LD, EE.....	Seattle
Baukal, Klea V.....	Seattle	Bell, Wyloha Helen.....	LD, Ed.....
Sp, FA.....	528 30th Av—E 6837	LD, Ed.....	4543 Univ Blvd—Ken 650
Baumgartner, Alfred Joseph.....	Okanogan	Bellingham, Norman.....	Tacoma
LD, Bus.....	4504 16th Av NE—Ken 647	LD, Bus.....	4500 Univ Blvd—Ken 291
Baumgartner, Frank.....	Okanogan	Bellosillo, Leon A.....	Philippines
Unc, Sci.....	4504 16th Av NE—Ken 647	Sp, Law.....	415 Madison St—M5556
Baumgartner, Grace.....	Seattle	Belstad, Walter Cyrus.....	Seattle
UD, FA.....	711 16th Av—E7770	LD, Phar.....	102 Fairview Av—E11 3285 M
Baxter, Dick.....	Walla Walla	Benas, Clarisse Helen.....	Seattle
LD, Bus.....		LD, LA.....	East Seattle—Bea 507
Bay, Marian Alice.....	Lynden	Bender, Nathaniel Brown.....	Tacoma
LD, LA.....	7052 Jones Av NW—Bal 730	LD, Bus.....	YMCA
Bayless, Owsley.....	Seattle	Bender, Robert William.....	Tacoma
Unc, Bus.....	603 39th Av N—E 5820	UD, Bus.....	4532 19th Av NE—Ken 2646
Bayley, Elizabeth Palmer.....	Seattle	Benefiel, Grace Janette.....	Spokane
LD, LA.....	1235 8th Av W—QA 2239	LD, FA.....	4803 55th Av S
Bayley, Nancy.....	The Dalles, Or	Benezra, Hyman.....	Seattle
LD, LA.....	5214 Univ Blvd—Ken 844	UD, EE.....	115 20th Av
Baylis, Charles A.....	Spokane	Benker, Margaret.....	Seattle
LD, LA.....	5211 16th Av NE—Ken 364	Spec, FA.....	615 Boren Av M 6521
Bazzett, Hamilton S.....	Seattle	Bennett, Albert Lee.....	Seattle
LD, CE.....	5238 19th Av NE—Ken 2610	UD, ChE.....	1432 27th Av
Beach, Golda Hazel.....	Seattle	Bennett, Dwight G.....	Seattle
Unc, Ed.....	4205 5th Av NW—N 2326	Unc, Bus.....	9722 60th Av S—Rai 404 R
Benger, F Irma.....	Seattle	Bennett, Elmer Lloyd.....	Montesano
LD, Ed.....	5720 15th Av NE—Ken 362	Unc, Law.....	4345 11th Av NE
Beal, Philip Brians.....	Vancouver	Bennet, Linton Pillsbury.....	Seattle
LD, Bus.....	4743 Brooklyn Av	Grad.....	1144 N 83d St—Ken 3932
Beall, Harry Newell.....	Raymond	Bennett, Marjorie.....	Vader
LD, Bus.....	4738 Brooklyn Av—Ken 1916	LD, LA.....	4732 21st Av NE—Ken 119
Beard, Hiram.....	Portland, Or	Bennett, Richard Francis.....	Kirkland
LD, ME.....	4530 12th Av NE—Ken 1288	LD, LA.....	4740 14th Av NE—Ken 1498
Beardslee, Will G.....	Bothell	Bennett, Vivian Bruce.....	Seattle
Unc, Lwa.....		LD, Sci.....	826 Eastlake Av—Cap 2076
Beattie, Jeanette.....	Seattle	Bennett, Volney.....	Seattle
LD, Bus.....	1407 E 56th St—Ken 2660	LD, Bus.....	9722 60th Av S—Rai 404 R
Beatty, Jephtha Frank.....	Seattle	Bennie, Alice Annie.....	Stanwood
LD, Bus.....	529 Warren Av—QA 3399	LD, FA.....	4724 16th Av NE—Ken 440
Bechen, Eleanor.....	Hillsboro, Or	Benson, Edwin Walter.....	Bellingham
UD, Bus.....	1541 12th Av S—Bea 2593	Unc, Bus.....	4752 12th Av NE
Beck, Nemias Bramlette.....	East sound	Benson, Clarence William.....	Spokane
LD, LA.....	5711 18th Av NE—Ken 1033	LD, LA.....	4716 9th Av NE—Ken 3395
Beck, Ula.....	Seattle	Benson, Louis.....	Olympia
Unc, FA.....	5039 11th Av NE—Ken 95	LD, LA.....	5243 10th Av NE—Ken 3460
Berkerjeck, Rozella.....	Seattle	Benson, Richard.....	Seattle
LD, LA.....	417 13th Av N—Cap 2157	LD, LA.....	5011 15th Av NE—Ken 2993
Becksted, Wilhelmina.....	Portland, Or	Benson, Virginia.....	Seattle
LD, FA.....	5214 Univ Blvd—Ken 844	UD, LA.....	4526 Univ Blvd—Ken 2496
Beckwith, Edris Lucille.....	Seattle	Benson, Warren Bartlett.....	Seattle
LD, FA.....	2304 N 64th St—Ken 3053	LD, Sci.....	4505 18th Av NE—Ken 333
Beckwith, S Vilas Jr.....	Medford, Or	Benson, Willis Clendenning.....	Seattle
LD, Bus.....	4520 21st Av NE—Ken 2600	LD, ChE.....	5011 15th Av NE—Ken 2993
Beendon, Beulah Mary.....	Aberdeen	Bentley, Doris Ellen.....	Boulder, Col
LD, Bus.....	4742 18th Av NE—Ken 390	LD, Bus.....	308 Olympic Pl—QA 4253
Beegle, Burton L.....	Seattle	Benton, Harold Morse.....	Seattle
Grad.....	3307 3d Av W	LD, Fisheries.....	5560 20th Av NE—Ken 2270

- Benton, Robert Hugh.....Edmonds  
 Bus.....4727 12th Av NE—Ken 2886
- Bentson, Hilmer Elias.....Ferndale  
 LD, CE.....1308 E 50th St—Ken 47
- Bentson, Lester.....Ferndale  
 LD, ME.....1303 E 50th St—Ken 47
- Benviste, Robert.....Seattle  
 LD, Bus.....705 3d Av
- Benz, Ezra Emil.....Toppenish  
 LD, Bus.....4235 10th Av NE—N 1095
- Benz, Luke Lorenz.....Toppenish  
 LD, Bus.....4235 10th Av NE—N 1095
- Berche, R. Leo.....Hillyard  
 LD, EE.....6414 10th Av NE—Ken 2904
- Berg, George F.....Seattle  
 Sp, Phar.....4020 Sunnyside
- Berg, Henry Roy.....Seattle  
 LD, ME.....4746 20th Av NE
- Berg, Lawrence R.....Missoula  
 LD, EE.....4722 15th Av NE
- Berg, Mildred Ione.....Hoquiam  
 Unc, LA.....5236 Univ Blvd—Ken 3868
- Berglund, Myrtle Ivana.....Mt Vernon  
 LD, LA.....3518 Aurora Av
- Berglund, Thos Henry.....Seattle  
 LD, Bus.....511 Melrose Av N—Cap 2931
- Bergman, Eugene E.....Breckenridge, Col  
 UD, Sci.....4504 16th Av NE—Ken 647
- Bergman, Eunice Margaret.....Breckenridge, Col  
 LD, Sci.....5262 15th Av NE—Ken 1809
- Bergman, Louise F.....Camas  
 LD, Bus.....3422 12th Av W—QA 4282
- Bergman, C Odin.....Seattle  
 LD, EE.....310 3d Av W—QA 3063
- Bergoust, Charlotte Ingeborg.....Tacoma  
 UD, LA.....4531 18th Av NE—Ken 253
- Bergstedt, Nestor Bert.....Seattle  
 LD, Bus.....200 Eastlake Av—Cap 2299
- Bergstrom, Anna.....Sweden  
 Sp, Sci.....YWCA—M 7291
- Bergstrom, Conrad.....Hoquiam  
 LD, Bus.....5249 Univ Blvd
- Bergstrom Ruth.....Hoquiam  
 LD, LA.....1804 E 50th St—Ken 844
- Bernhelm, Martha Julia.....Seattle  
 LD, Phar.....3920 Brooklyn Av
- Berry, Stewart Stephen.....Colfax  
 LD, Bus.....1408½ E 43d St
- Berst, Charles A.....Portland, Or  
 LD, LA.....5211 16th Av NE—Ken 3624
- Bert, Wilfred K.....Seattle  
 LD, CE.....1024 9th Av W—QA 2178
- Best, Mary Elmyra.....Yakima  
 LD, LA.....5211 16th Av NE—Ken 3624
- Bethel, Virginia Ramsay.....Portland, Or  
 LD, LA.....4502 20th Ave NE—Ken 685
- Bettner, Almada Bierry.....Seattle  
 LD, FA.....1610 E Mercer St—E 1452
- Betts, Genevieve Dillaye.....Cordova, Alaska  
 LD, Sci.....700 Kinnear Pl—QA 1291
- Bevan, Arthur.....Victoria, B C  
 Grad.....College of Forestry, Campus
- Beven, James.....Bellingham  
 Grad.....4312 4th Av NE
- Beveridge, A Vere.....Seattle  
 LD, BA.....4818 1st Av NW—N 3087
- Bevis, Dorothy True.....Lewiston, Ida  
 UD, LA.....2012 E 45th St—Ken 2645
- Bevis, Gordon.....Lewiston, Ida  
 LD, Bus.....4506 Univ Blvd—Ken 291
- Bewley, Loyal Vivian.....Boise, Ida  
 LD, EE.....1015 16th Av—E 4932
- Bewley, Ruth Lynette.....Boise, Ida  
 LD, LA.....1015 16th Av—E 4932
- Bibb, John Taylor Jr.....Pasadena, Cal  
 Grad.....4503 Univ Blvd—Ken 236
- Bigelow, Edris.....Edmonds  
 LD, Bus.....5720 15th Av NE—Ken 302
- Bigelow, Ernest.....Edmonds  
 UD, Bus.....5212 18th Av NE—Ken 887
- Biggs, M Catherine.....Seattle  
 LD, FA.....4247 7th Av NE—N 678
- Billings, Charles Newport.....Portland, Or  
 LD, FA.....4254 7th Av NE—N 8795
- Billings, Rhea R.....Tacoma  
 UD, FA.....4714 Univ Blvd—Ken 2253
- Bindon, Leonard W S.....Bellingham  
 LD, CE.....4235 10th Av NE—N 1995
- Blair, George M.....Santa Ana, Cal  
 LD, E.....5235 Univ Blvd—Ken 618
- Bingham, Blanche Irene.....Seattle  
 LD, Bus.....4158 46th Av SW—W 1100 M
- Bingham, Selwyn Alfred.....Portland, Or  
 LD, CE.....4509 12th Av NE
- Binzer, Karl Henry.....Seattle  
 Unc, Bus.....4337 14th Av NE—Ken 573
- Bird, Byron Matthew.....Seattle  
 Grad.....909 Blewett St—N 207
- Bird, Lester Fletcher.....Seattle  
 UD, EE.....909½ Blewett St
- Bisazza, Virginia.....Seattle  
 Unc, FA.....2505 Westlake N—QA 1518
- Blashop, Dorothy L.....Everett  
 LD, FA.....4551 Univ Blvd
- Bishop, Nancie Wesley.....Seattle  
 LD, Bus.....7514 1st Av N
- Bissett, Clark Prescott Jr.....Seattle  
 LD, LA.....914 24th Av N—E 2708
- Bissett, Rudolph Alfred.....Seattle  
 UD, Sci.....4504 16th Av NE—Ken 647
- Bishop, Theodore.....Clarkston  
 LD, LA.....3001 44th Av SW—W 205 W
- Bitner, Ella.....Kellogg, Ida  
 LD, Sci.....4742 18th Av NE
- Bjorklund, Ellen Margaret.....Tacoma  
 UD, Sci.....RFD No 5, Box 74 B, Seattle
- Bjorkman, Milton Nathaniel.....Tacoma  
 LD, Bus.....4550 18th Av NE—Ken 3072
- Bjorkquist, Joseph E.....Spokane  
 LD, LA.....Lander Hall, Campus
- Black, Dorothy Ernestine.....Ellensburg  
 LD, LA.....4504 18th Av NE—Ken 146
- Black, Elizabeth.....Ellensburg  
 Unc, LA.....
- Black, James R.....San Francisco, Cal  
 Unc, LA.....4532 18th Av NE
- Black, John Albert.....Seattle  
 LD, EE.....Lander Hall, Campus—N 60
- Black, Myron, Watt.....Spokane  
 LD, ChE.....1616 E 47th St—Ken 149
- Black, Wendell Wilson.....Everett  
 8d Law.....4520 21st Av NE—Ken 2600
- Blackburn, Quin Alfred.....Brainerd, Minn  
 LD, For.....2329 N 59th St
- Blackstock, Herbert W.....Seattle  
 Sp, For.....2227 10th Av N—Cap 2842
- Blaine, Edward L Jr.....Seattle  
 LD, Bus.....4520 21st Av NE—Ken 2600
- Blaine, James Arthur.....Seattle  
 LD, LA.....641 40th Av N—E 7475
- Blake, Buel Beecher.....Seattle  
 UD, ME.....4505 18th Av NE—Ken 333
- Blake, E Isabelle.....Aberdeen  
 LD, LA.....4504 18th Av NE—Ken 146
- Blake, Martha Ellen.....Seattle  
 LD, Bus.....2021 83d Av S—Bal 3740
- Blake, Ted.....Seattle  
 Sp, Bus.....2032 42d Av N—E 5578
- Blalock, Phoebe Irene.....Walla Walla  
 UD, Sci.....Clark Hall, Campus—N 262
- Blanchard, Bess Estelle.....Pt Orchard  
 LD, LA.....5625 15th Av NE
- Blanchard, Ida.....Seattle  
 Sp, Sci.....4205 E Newton St—E 9477
- Blanchard, L Judson.....Wapato  
 Sp, Phar.....8106 Dallas Av

Blanding, Eva Ellen.....	Seattle	Bonnett, Howbert B.....	Seattle
LD, Sci.....1737 Belmont Av—E 2458		LD, ME.....1208 E 55th St—Ken 3672	
Blankeyvoort, Gertrude.....	Seattle	Booman, Albert.....	Lynden
LD, Bus.....5232 18th Av NE		UD, Ed.....Terry Hall, Campus—N 60	
Blau, Louise W.....	Booker, Tex	Booth, Earl Le Roy.....	Burlington
UD, LA.....4502 20th Av NE—Ken 685		LD, Sci.....3925 Eastern Av	
Blessing, L J.....	White Sulphur Springs, Mont	Booth, Lillian H.....	Yakima
UD, CE.....1401 Harvard Av—E 740		Unc, FA.....4547 Univ Blvd—Ken 23	
Blewett, Robert E.....	Seattle	Bordeaux, Wilfred.....	Seattle
Sp, Bus.....1414 E Spring St—E 3168		LD, Bus.....1616 E 47th St—Ken 149	
Blickensderfer, Philip.....	Willa, N. D	Borglen, Joseph Nathaniel.....	Seattle
Sp, Bus.....	YMCA	LD, ChE.....9065 Carkeek Dr	
Blogg, Ainsworth.....	Seattle	Borman, Ernest E.....	Seattle
Unc, LA.....708 Belmont Pl—Cap 1223		LD, EE.....4325 15th Av NE—Ken 3452	
Blomquist, Louis Earl.....	Belt, Mont	Borrow, Martha Mabel.....	Seattle
LD, Bus.....4746 18th Av NE—Ken 2704		LD, LA.....2200 33d St S—Bea 1096	
Blomquist, Roy William.....	Hoquiam	Borrow, Robert.....	Seattle
LD, Bus.....4222 10th Av NE—N 2981		Unc, ME.....4524 19th Av NE—Ken 570	
Bloomfield, Irma E.....	Nampa, Ida	Borst, Sylvia.....	Seattle
LD, Bus.....4508 16th Av NE—Ken 2768		Sp, FA.....103 24th Av So	
Bloss, William R.....	Seattle	Boswell, Raymond Chester.....	Seattle
Unc, Bus.....4506 Univ Blvd—Ken 201		LD, Phar.....502 N 49th St	
Blue, H Leslie.....	Ketchikan, Alaska	Bouck, Gordon Maynard.....	Hillyard
Unc, Min.....2000 2d Av		LD, Fish.....6014 33d Av NE	
Blumenfeld, Herman N.....	Seattle	Bouck, Selma Gene Coates.....	Seattle
UD, Bus.....528 19th Av—E 4796		UD, LA.....1905 42nd Av N	
Blumenfeld, Zipora Bertha.....	Seattle	Boudin, Lillian Mary.....	Tacoma
LD, Sci.....528 19th Av—E 4796		Sp, FA.....	
Blumenthal, Rose Eloise.....	Seattle	Boutfleur, Ethel Julia.....	Tacoma
LD, LA.....108 Univ Blvd—E 4550		UD, Ed.....Clark Hall, Campus—N 262	
Bogardus, Almon E.....	Seattle	Bouillon, Lincoln.....	Seattle
UD, LA.....4616 21st Av NE		LD, ME.....005 Boylston Av—E 7760	
Bogardus, Helen Evelyn.....	Seattle	Bousfield, Winifred.....	Seattle
LD, Sci.....323 14th Av N—Cap 2330		LD, FA.....5034 12th Av NE—Ken 2908	
Bogoiavlensky, Boris N.....	Seattle	Boutyette, Charles P.....	Aberdeen
Unc, LA.....1127 17th Av N—E 2103		Unc, Sci.....3406 Day St	
Bohlander, Nadine L.....	Portland, Or	Borell, Victor Stephen.....	Seattle
LD, LA.....4524 Univ Blvd—Ken 2496		LD, Bus.....2870 Edmunds St	
Bohn, Rachel.....	Seattle	Bowen, Edna Grace.....	Portland, Or
LD, LA.....4415 Sunnyside Av—N 4218		LD, LA.....4742 18th Av NE—Ken 396	
Bolderston, Constance B.....	Portland, Or	Bowen, Hal Anson.....	Seattle
LD, LA.....4508 16th Av NE		Sp, Phar.....1312 Terry Av	
Bole, John Clinton.....	Tacoma	Bowen, William Edward.....	Spokane
LD, Bus.....5212 18th Av NE—Ken 887		LD, Bus.....5604 14th Av NE	
Bollinger, John Clayton.....	Methow	Bower, Donald Duane.....	Centralia
Unc, Law.....4532 18th Av NE—Ken 2827		LD, CE.....	
Bollinger, Morris A.....	Methow	Bowlby, Bert.....	Wendell, Ida
LD, LA.....4532 18th Av NE—Ken 2827		LD, Sci.....5212 20th Av NE—Ken 2740	
Bollam, Darrell Charles.....	Portland, Or	Bowman, Beulah Marjorie.....	Seattle
LD, Sci.....4569 4th Av W		LD, LA.....5619 11th Av NE	
Bolles, Barbara M.....	Wellesley, Mass	Bowman, Donald.....	Seattle
Grad.....4554 16th Av NE		LD, For.....1422 Warren Av	
Bollinger, James.....	Dixon, Cal	Boyd, Catherine.....	Seattle
LD, Bus.....4504 16th Av NE—Ken 647		Grad.....2727 33d Av S—Bea 512	
Bollman, Deann S.....	Seattle	Boyd, Dorothy V.....	Victoria, B C
UD, LA.....5420 36th Av SV		LD, Sci.....4535 18th Av NE	
Bolman, James.....	Seattle	Boyd, J Phillip.....	Spokane
UD, Ed.....1405 E 41st St—N 690		LD, Bus.....1906 E 45th St—Ken 2171	
Bolton, Edwin.....	Seattle	Boyer, Lynn Truman.....	Hoquiam
LD, ME.....4514 16th Av NE—Ken 904		LD, Bus.....4222 10th Av NE—N 2981	
Bernstead, Edward Seymour.....	Tacoma	Boyer, Margaret.....	Portland, Or
LD, ME.....4142 12th Av NE		LD, LA.....Lewis Hall, Campus—N 162	
Bond, Austin De Mell.....	Bellingham	Boyer, Vera.....	Portland, Or
LD, ME.....4303 12th Av NE		LD, LA.....Lewis Hall, Campus—N 162	
Bond, Elias Anstin.....	Bellingham	Boyer, Walter O.....	Yakima
Grad.....Hotel Stevens		LD, Sci.....1605 E 47th St—Ken 84	
Bonz, Harold J.....	Seattle	Boyington, Paul.....	Spokane
Unc, LA.....		LD, Bus.....4308 9th Av NE	
Bonham, Madge.....	Seattle	Brace, Alice.....	Seattle
Unc, Bus.....709 E 43d St—N 2256		LD, Bus.....170 Prospect St—QA 3463	
Bonnell, Jenness Mildred.....	Tacoma	Brace, John Ben.....	Seattle
LD, FA.....4535 18th Av NE—Ken 1429		LD, Bus.....2120 E 47th St—Ken 1176	
Bonnell, Marguerite.....	Tacoma	Bracken, Harold A.....	Gerring, Neb
LD, LA.....4535 18th Av NE—Ken 1420		LD, ChE.....106 E 46th St	
Bonner, Gertrude.....	Centralia	Brackett, Leroy William.....	Yakima
LD, LA.....Clark Hall, Campus—N 262		LD, ChE.....4789 19th Av NE—Ken 2288	
Bonner, Pearl.....	Centralia	Brackett, A Wendell.....	Seattle
LD, Ed.....Clark Hall, Campus—N 262		UD, LA.....4711 18th Av NE—Ken 1642	



- Bradbury, Hazel L.....Wenatchee  
 LD, LA.....1520 16th Av—E 6946  
 Braddock, John T.....Puyallup  
 LD, FA.....4748 19th Av NE  
 Bradley, Beatrice.....Seton  
 LD, LA.....4746 21st Av NE  
 Brady, John Lee.....Montesano  
 LD, Bus.....4732 20th Av NE  
 Brady, Margaret Wilda.....Tacoma  
 LD, Ed.....4524 Univ Blvd—Ken 2406  
 Brady, Mary Laretto.....Spokane  
 LD, LA.....2012 E 45th St—Ken 2645  
 Brady, Robert A.....Marysville  
 Unc, LA.....5023 10th Av NE—Ken 1170  
 Braganza, Artero.....Philippines  
 Sp, Law.....506½ Jackson St  
 Bragdon, Ruth Alwin.....Seattle  
 UD, LA.....4149 Alki Av—W 1209 M  
 Braid, Frances M H.....Seattle  
 LD, FA.....2421 4th Av N—QA 813  
 Branchflower, Norman, §.....Mt Vernon  
 LD, Sci.....2120 E 47th St—Ken 1176  
 Brandenthaler, Anthony A.....Seattle  
 UD, LA.....1006 E 45th St—Ken 2171  
 Brandenthaler, Rudolph Richard.....Seattle  
 UD, Min.....1422 8th Av W—QA 2514  
 Bratcher, Carolyn.....Midvale, Ida  
 LD, Ed.....4530 7th Av NE—N 2742  
 Bratcher, Gladys.....Midvale, Ida  
 LD, Ed.....4530 7th Av NE—N 2742  
 Brattain, James Theo.....Seattle  
 Unc, Bus.....3945 15th Av NE  
 Brauer, Henry Herman.....Seattle  
 LD, LA.....5008 20th Av NE—Ken 265  
 Brauer, Ruth Jacobson.....Seattle  
 LD, Sci.....5008 20th Av NE—Ken 265  
 Braugh, Verna Estella.....Granger  
 LD, FA.....5242 20th Av NE—Ken 3590  
 Braun, Paul.....Edwall  
 LD, ME.....2414 N 45th St—N 1034  
 Brawner, Nancy E.....Livingston, Mont  
 LD, Sci.....4732 21st Av NE—Ken 110  
 Bray, Frank Nathan.....Sumner  
 LD, Bus.....1613 4th Av W  
 Brazier, John.....Seattle  
 LD, Bus.....4503 Univ Blvd—Ken 236  
 Bregg, Dorsey A.....Ellensburg  
 Unc, EE.....4254 7th Av NE  
 Brehm, Eugene E.....Seattle  
 Unc, For.....515 13th Av N—Cap 1198  
 Brehm, Gretchen.....Seattle  
 LD, LA.....4524 Univ Blvd—Ken 2406  
 Brehm, Helen Louise.....Seattle  
 UD, Ed.....4524 Univ Blvd—Ken 2406  
 Brennan, Samuel McClure.....Seattle  
 LD, ME.....3030 Greenwood Av—N 2303  
 Brennan, Margaret.....Bellevue  
 LD, Jour.....4738 16th Av NE—Ken 3328  
 Brennan, Robert.....St Paul, Minn  
 Unc, Bus.....  
 Bressler, Alice Marian.....Seattle  
 LD, LA.....2500 N 42d St—N 497  
 Bressler, Margaret.....Centralia  
 UD, LA.....5622 15th Av NE—Ken 60  
 Brethorst, S Marie.....Seattle  
 Grad.....5555 33rd Av NE  
 Brewer, Harold Nesbitt.....Satsop  
 LD, ME.....4035 15th Av NE  
 Brickwell, Charles Bruce.....Seattle  
 LD, Bus.....3921 Densmore Av—W 3277  
 Brickwell, Duncan Walter.....Seattle  
 LD, Bus.....1906 E 45th St—Ken 2171  
 Bricker, W A Lee.....Seattle  
 LD, LA.....5027 15th Av NE—Ken 476  
 Bricker, J Paul.....Seattle  
 LD, CE.....5027 15th Av NE—Ken 476  
 Bridgeman Morris Louis.....Great Falls, Mont  
 LD, Sci.....1616 E 47th St—Ken 140  
 Bridges, Charles Decator.....Seattle  
 LD, Bus.....4532 19th Av NE—Ken 2646  
 Bridges, James Falls.....Seattle  
 Unc, Bus.....317 Harvard Av—Cap 640  
 Bridgman, Montague Arthur.....Victoria, B C  
 Sp, For.....  
 Brienn, Alfred.....Orillia  
 UD, For.....5301 Ravenna Av  
 Bright, Clarie Stanley.....Napavine  
 LD, LA.....1814 37th St N—N 4048  
 Bright, Raymond Easton.....Napavine  
 LD, LA.....1914 37th St N—N 4048  
 Brisack, Floyd Raymond.....Seattle  
 UD, ME.....3833 5th Av NE  
 Bringham, Alice Constance.....Seattle  
 LD, LA.....552 18th Av—E 2014  
 Britton, Velma Murrill.....Hayre, Mont  
 LD, FA.....321 17th Av—E 8088  
 Brobeck, George K.....Kenyon, Minn  
 LD, LA.....4532 10th Av NE—Ken 2646  
 Brockman, Blaine.....Weiser, Ida  
 LD, Ed.....5213 Brooklyn Av—Ken 123  
 Brockman, Fred William.....Anacortes  
 LD, Sci.....4704 18th Av NE—Ken 541  
 Brockman, Thelma Frances.....Seattle  
 UD, LA.....704 30th Av S—Bea 1820  
 Brokaw, Bernice.....Stanwood  
 UD, LA.....4714 Univ Blvd—Ken 2253  
 Brokaw, Alfred Charles.....Townsend  
 LD, LE.....YMCA—M 5208  
 Brokaw, Marion.....Tacoma  
 LD, LA.....5208 18th Av NE  
 Brokaw, Paul Irvine.....Tacoma  
 UD, Bus.....4532 19th Av NE—Ken 2646  
 Brokaw, Vernita.....Stanwood  
 LD, LA.....4714 Univ Blvd—Ken 2253  
 Brook, Alice L.....Seattle  
 LD, LA.....2015 E 52nd St  
 Brooks, Donna Jane.....Seattle  
 LD, Bus.....4122 Whitman Av  
 Brooks, Mabelle.....Tono  
 LD, LA.....4551 Univ Blvd—Ken 501  
 Brooks, Marjorie.....Seattle  
 LD, LA.....906 Terry Av—E11 1030  
 Brothers, C Donald.....Tacoma  
 LD, Min.....4505 18th Av NE—Ken 333  
 Broulett, B Marie.....Seattle  
 Sp, FA.....5020 15th Av NE—Ken 2193  
 Broward, Ella Jeanette.....Jacksonville, Fla  
 Unc, LA.....2822 Boylston Av N—Cap 1817  
 Browder, Bernardine.....Colfax  
 LD, LA.....4543 Univ Blvd—Ken 190  
 Brown, Barton W.....Seattle  
 LD, CE.....  
 Brown, Beatrice.....Seattle  
 UD, Ed.....5035 11th Av NE—Ken 2103  
 Brown, Bedford Junior.....Spokane  
 LD, LA.....4532 18th Av NE—Ken 2827  
 Brown, Dorothea.....Seattle  
 Unc, Bus.....1012 Queen Anne Av—QA 3085  
 Brown, Earl Dwight.....Custer  
 UD, ChE.....4504 16th Av NE  
 Brown, Edda Virginia.....Tacoma  
 LD, Sci.....4540 Univ Blvd  
 Brown, Edith Oliva.....Friday Harbor  
 LD, Sci.....4703 18th Av NE—Ken 2826  
 Brown, Edward.....Wilkes Barr, Penn  
 UD, For.....4705 21st Av NE  
 Brown, Ford K.....Seattle  
 UD, LA.....3950 1st Av NE—N 3141  
 Brown, Francis McDarnell.....Portland, Or  
 LD, Bus.....4549 15th Av NE  
 Brown, Francis.....Yakima  
 LD, Bus.....1605 E 47th St—Ken 84  
 Brown, Hugh G.....Wenatchee  
 LD, Sci.....1400 14th Av NE—N 3906  
 Brown, Ida Elizabeth.....Seattle  
 Unc, Sci.....1716 24th Av

Brown, Floyd Butler.....Kellogg, Ida LD, EE.....5025 12th Av NE	Budden, Frank Wilfred.....Seattle LD, EE.....705½ Pike St—E11 3275
Brown, Lois Eula.....Twisp Unc, LA.....Clark Hall, Campus—N 262	Budwin, A Theodora.....Spokane LD, LA.....5251 16th Av NE
Brown, Lorna Estelle.....Portland, Or LD, LA.....2006 E 47th St—Ken 3476	Buerk, Louise Carolyn.....Seattle LD, LA.....810 30th Av—E 4767
Brown, Lurline.....Seattle LD, LA.....1302 Seneca St—E 2898	Buhl, Frances Helen.....Seattle LD, Ed.....6206 Carleton Av—Sid 143
Brown, Marguerite Lillian.....Seattle Sp, FA.....2126 Laurelshade Av—E 4977	Bullock, Cecil Frank.....Seattle Unc, Ed.....3012 W 62d St—Bal 118
Brown, Martin.....Yakima Unc, Unc.....4509 12th Av NE	Bungarner, Grady.....Nampa, Ida Unc, LA.....
Brown, Ralph M.....Seattle LD, Bus.....2449 10th Av N—Cap 3014	Bungarner, Helen H.....Nampa, Ida LD, Sci.....5244 Univ Blvd—Ken 1051
Brown, Rhenie Lillian.....Seattle UD, FA.....6403 9th Av NE—Ken 301	Bunting, Gladys.....Seattle LD, Bus.....1631 Queen Anne Av—QA 1654
Brown, Richard Alexander.....Wallace, Ida Unc, Bus.....4026 12th Av NE	Burch, Clara Catherine.....Ellensburg LD, FA.....4522 10th Av NE—Ken 1018
Brown, Ruth.....Stanwood UD, Ed.....4714 Univ Blvd—Ken 2253	Burdick, Don.....Seattle UD, LA.....1514 Ravenna Blvd—Ken 2795
Brown, Ruth P.....Ashland, Or LD, LA.....4416 Burke Av—N 541	Burdick, Eitel.....Seattle LD, ChE.....1514 Ravenna Blvd—Ken 2795
Brown, Sarah.....Yakima LD, Bus.....5250 18th Av NE	Buren, Doris.....Tacoma UD, Ed.....4746 21st Av NE
Brown, Stewart Hazelton.....Port Angeles Unc, Bus.....4504 16th Av NE—Ken 647	Burgess, Henrietta.....Seattle UD, Sci.....9260 California Av—W 619W
Brown, Vaughn.....Seattle Grad.....1416 E 41st St	Burgess, Madeline.....Pendleton, Or LD, LA.....4504 18th Av NE—Ken 146
Brown, W Joseph.....Seattle LD, Bus.....5235 Univ Blvd—Ken 618	Burke, Catherine Anne.....Seattle Unc, LA.....4740 14th Av NE—Ken 1498
Brown, Walter F.....Clarkston UD, Min.....4522 18th Av NE	Burke, Mrs Edna L.....Seattle Sp, LA.....3967 15th Av NE—N 2335
Brown, William.....Seattle Sp, Phar.....1918 Washington St	Burke, Fred Tichenor.....Seattle LD, Sci.....4746 20th Av NE
Browne, Clarence H.....Seattle LD, Bus.....516 E Thomas St—Cap 926	Burke, Howard Mason.....Walla Walla UD, Bus.....4532 18th Av NE—Ken 2827
Brownson, Lynn J.....Wallace, Ida LD, Phar.....4116 Brooklyn —N 365	Burkhalter, Earle Edward.....Dallas, Tex LD, EE.....522 11th Av N—Cap 2495
Broxon, Ruth C.....Seattle Unc, FA.....1525 E 63rd St—Ken 2520	Burks, Charles R.....Seattle LD, Bus.....Campus Barracks
Bruat, Vicente.....Philippines Unc, Sci.....4742 Brooklyn Av	Burleigh, Thomas Dearborn.....Pittsburgh, Pa Grad.....2120 E 47th St
Bruce, Helen Roslyn.....Seattle UD, LA.....1407 E 45th St—Ken 1597	Burley, Lea J.....Outlook Unc, Sci.....5708 27th Av NE—Ken 2116
Bruce, Irene Frances.....Kallispell, Mont LD, LA.....3624 Whitman Av—N 2232	Burlington, George A.....Seattle Rt 8 LD, Min.....
Bruggeman, Dathryn.....Seattle LD, Bus.....1015 West Lee St—QA 940	Burlingham, Frank Wilfred Forest Grove, Or UD, Bus.....4505 18th Av NE—Ken 333
Bruhn, Dorothy Anita.....Butte, Mont LD, Ed.....4702 9th Av NE—Ken 8207	Burneister, Elizabeth M.....Kellog, Ida LD, FA.....4303 11th Av NE—N 3467
Brunner, John.....Addy LD, CE.....4522 10th Av NE	Burneister, Harry L.....Tacoma UD, Min.....4522 18 Av NE—Ken 5081
Brunner, Rosa E.....Addy LD, Ed.....4522 10th Av NE	Burnett, John Andrew.....Seattle LD, EE.....1011 39th Av—E 6526
Bryan, Douglas.....Ottawa, Canada Sp, Bus.....316 11th Av N	Burnett, Ralph Hall.....Spokane LD, LA.....5038 Univ Blvd—Ken 496
Bryan, James Wesley Jr.....Seattle LD, LA.....4203 Woodlawn Av	Burnett, William A.....Seattle LD, Bus.....1011 30th Av—E 6526
Bryan, D Wilmer.....Olympia LD, For.....3831 11th Av NE	Burnie, Donald Alexander.....Yakima LD, Bus.....3831 11th Av NE
Bryant, Nellie Marie.....Friday Harbor LD, LA.....3205 10th Av S—Bea 2253	Burns, Fern Elizabeth.....Thorpe UD, LA.....1407 E 45th St
Bryant, William Cullen.....Walla Walla LD, LA.....4530 14th Av NE—Ken 555	Burns, Frank Bernard.....Oakland, Cal Sp, Bus.....4026 12th Av NE
Buchanan, Iva Luella.....Seattle Grad.....3727 Burke Av—N 1070	Burns, Helen.....Spokane LD, FA.....Weir Apts—N 2881
Bucket, Claude L.....Seattle Sp, Bus.....4035 15th Av NE—N 1725	Burns, Irene Lillian.....Spokane LD, FA.....5022 Univ Blvd
Buchterkirchen, Walter C.....Seattle LD, Bus.....4532 10th Av NE—Ken 2646	Burnside, Mary Frances.....Lewiston, Ida UD, LA.....4528 Univ Blvd—Ken 26
Buckler, Frank Dodge.....Portland, Or Sp, LA.....1016 E 47th St—Ken 149	Burnside, Robert Snowden.....Portland, Or LD, Bus.....4520 21st Av NE—Ken 2600
Buckley, Lillian Grace.....Seattle Unc, Sci.....3515 Ashworth Av—N 618	Burpee, M Margaret.....Bellingham LD, Bus.....5720 15th Av NE—Ken 362
Budd, Irene Adair.....Helena, Mont Unc, Phar.....4535 18th Ave NE—Ken 1429	Burque, Leroy Arthur.....Seattle UD, EE.....8111 Greenwood Av—Bal 1871
Budden, Dorothy.....Seattle LD, Bus.....705½ Pike St—E11 3275	Burrough, Edward L.....Seattle LD, EE.....4508 Thackery Pl—N 540

- Burroughs, Walter L.....Tacoma  
LD, Sci.....4203 11th Av NE—N 2364
- Burrows, Albert Warren.....Seattle  
LD, Bus.....4323 12th Av NE—Ken 1087
- Burrows, Eleanor W.....Seattle  
Unc, Ed.....4323 12th Av NE
- Burrows, Fremont G.....Chehalis  
LD, CE.....5012 10th Av NE—Ken 3227
- Burrows, William Jr.....Chehalis  
LD, Sci.....5012 10th Av NE—Ken 3227
- Burrus, Thurlow McCune.....Spokane  
LD, Sci.....4546 15th Av NE—Ken 3568
- Bursell, Blanche Gertrude.....Seattle  
UD, Ed.....5008 11th Av NE—Ken 1500
- Bursell, Frances I.....Seattle  
LD, LA.....5008 11th Av NE—Ken 1500
- Bursell, Margaret.....Seattle  
UD, Ed.....5507 14th Av NE—Ken 8963
- Burson, Paul Leroy.....Seattle  
LD, Bus.....1918 5th Av N
- Burwell, Frederick A.....Seattle  
UD, BA.....709 14th Av N—Cap 1569
- Burt, Claye E.....Boise, Ida  
LD, LA.....4518 Univ Blvd—Ken 3218
- Busfield, Norman James.....Meadowdale  
Sp, ME.....Meadowdale
- Bush, Evelyn Augusta.....Seattle  
LD, Sci.....716 2d Av N
- Bush, Florence Wright.....Burlington  
UD, Ed.....4714 Univ Blvd—Ken 2253
- Bush, Helen Taylor.....Seattle  
Grad.....133 Dorffel Drive—E 4410
- Bush, Lyle Kenneth.....Bay Center  
LD, LA.....4503 Univ Blvd—Ken 238
- Bushell, Charles Theodore.....Seattle  
Sp, EE.....5812 Greenwood Av—Bal 1939
- Busse, Arthur Emil.....Seattle  
LD, ChE.....411 Warren Av—QA 3134
- Bussing, John A.....Bellingham  
Unc, Phar.....5836 Univ Blvd—Ken 3400
- Butcher, Fred.....Seattle  
LD, Bus.....1800 14th Ave
- Butler, Ben Fox.....Seattle  
UD, LA.....628 12th Av N
- Butler, Alice Berenice.....Seattle  
LD, FA.....1130 19th Av N—E 2491
- Butler, Mayo Philbrick.....Seattle  
LD, Min.....4532 18th Av NE—Ken 2827
- Butler, J Rea.....Burton  
LD, Bus.....4503 Univ Blvd—Ken 230
- Butler, Robert.....Seattle  
LD, CE.....2650 Belvidere Av
- Butt, Edward Merchant.....Seattle  
LD, Sci.....146 E 56th St—Ken 212
- Butt, Ferdinand H.....Tacoma  
Unc, ME.....146 E 56th St—Ken 212
- Butterworth, Gilbert B.....Seattle  
LD, LA.....1921 1st Av—M 949
- Byars, Alfred Theodore.....Goldendale  
LD, ME.....5038 Univ Blvd—Ken 496
- Byerly, Oliver Finley.....Portland, Or  
LD, For.....5235 Univ Blvd—Ken 618
- Byers, A Kathryn.....Seattle  
UD, Sci.....1420 16th Av—E 576
- Byers, Marshall Sumner.....Seattle  
LD, ChE.....2100 E Galer St—E 3491
- Byrd, Mabel Janet.....Portland, Or  
UD, LA.....1807 24th Av—E 573
- Byrne, John Jr.....Spokane  
LD, Min.....4524 10th Av NE—Ken 570
- Byrne, Marlon.....Spokane  
LD, Bus.....5047 18th Av NE—Ken 2483
- Cadwell, Carl Victor.....Spokane  
LD, Bus.....5235 Univ Blvd—Ken 618
- Cady, Henry Ostrom.....Mt Vernon, N Y  
LD, For.....4537 12th Av NE—Ken 1190
- Cage, Mary.....Canyon, Tex  
UD, LA.....Lewis Hall, Campus—N 162
- Cagliot, Enrique.....Philippines  
Sp, Bus.....1217 21st Av N—E 5093
- Cahall, Kenneth.....Friday Harbor  
Unc, Bus.....Lander Hall, Campus—N 60
- Cahill, Bertha Frances.....Seattle  
Unc, Bus.....4418 Bagley Av—N 1074
- Cain, Ray C.....Wenatchee  
LD, Bus.....4704 12th Av NE—Ken 541
- Cairns, Douglas Mollois.....Seattle  
LD, Bus.....5038 Univ Blvd—Ken 496
- Calder, Lester Edward.....Montesano  
Unc, For.....5814 16th Av NE—Ken 2407
- Caldwell, Darrold V.....Caldwell, Ida  
Unc, Bus.....Gen Del
- Calhoun, Alma.....Seattle  
LD, LA.....1231 Univ Blvd
- Calhoun, Charles Elliot.....Tacoma  
Sp, LA.....4215 Brooklyn Av—N 1967
- Calhoun, Emmett Leonard.....Seattle  
LD, Sci.....4505 18th Av NE—Ken 333
- Calkins, Howard T.....Sunnyside  
LD, Sci.....4418 4th Av NE—N 2409
- Calkins, Ione Janice.....Bremerton  
LD, Sci.....Clark Hall, Campus—N 262
- Callender, James.....Colfax  
LD, CE.....3825 11th Av NE—N 1239
- Callahan, Lloyd Franklin.....Cassleton, N D  
1st, Law.....5212 18th Av NE—Ken 887
- Callison, Henry Sheldon.....Aberdeen  
LD, LA.....1616 E 47th St—Ken 149
- Callow, Doris.....Seattle  
LD, Sci.....5208 Ravenna Av—Ken 4169
- Calt, Helen Ruth.....Wapato  
LD, LA.....5513 20th Av NE
- Cauvert, Gerald George.....Great Falls, Mont  
LD, Bus.....4035 15th Av NE
- Calvert, Lawrence Cragin.....Seattle  
LD, Bus.....2120 E 47th St—Ken 1176
- Calvin, John.....Seattle  
Unc, For.....1919 Broadway N—Cap 3715
- Calvin, S. Everett.....Miles City, Mont  
LD, ChE.....4528 20th Av NE
- Cameron, Marion.....Yakima  
LD, Bus.....4535 18th Av NE—Ken 1429
- Cammack, Alice Allison.....Seattle  
Sp, LA.....502 33d Av—E 5019
- Camp, Dorothy.....Seattle  
LD, Sci.....Sis Bell St—Ell 4800-G
- Campbell, J Addison.....Seattle  
LD, ChE.....88th & 15th NE—Ken 740
- Campbell, Alphonsus.....Seattle  
Unc, Sci.....1522 Taylor Av—QA 773
- Campbell, Donald Stiles.....Spokane  
LD, EE.....4616 21st Av NE—Ken 490
- Campbell, Earl Folgate.....Omak  
LD, Bus.....4616 21st Av NE—Ken 490
- Campbell, Edward Lyman.....Butte, Mont  
LD, Bus.....4249 10th Av NE—N 3215
- Campbell, Ernest William.....Seattle  
Grad.....4505 18th Av NE—Ken 333
- Campbell, Florence B.....Chelan  
UD, Bus.....Clark Hall, Campus—N 262
- Campbell, Jean Allison.....Seattle  
LD, LA.....1817 E 50th St—Ken 1694
- Campbell, Kathleen.....Seattle  
Unc, LA.....5802 Woodlawn Av—Ken 1486
- Campbell, Kenneth.....Seattle  
UD, LA.....5975 Rainier Av—Rai 123M
- Campbell, Wilfred Lorne.....Wapato  
LD, EE.....1527 Terry Av
- Campbell, Mary Helen.....Seattle  
LD, LA.....1403 17th Av—E 4618
- Campbell, Preston Dunnett.....Manitou Beach  
LD, Bus.....608 Alaska Bldg
- Campbell, Ray Cowan.....Great Falls, Mont  
Unc Bus.....5038 Univ Blvd—Ken 496

Campbell, Roy Everett.....	Bremerton	Carroll, Chester Edward.....	Seattle
UD, Min.....	4522 8th Av NE—Ken 3681	LD, Bus.....	2003 E 47th St—Ken 185
Campbell, A Talbot.....	Seattle	Carroll, Edwin Hurlburt.....	Portland, Or
LD, BE.....	1129 21st Av N—E 2535	LD, LA.....	4524 12th Av NE—Ken 570
Campbell, Veronica.....	Seattle	Carroll, Frank Samuel.....	Seattle
UD, Ed.....	1522 Taylor Av—QA 773	LD, EE.....	5011 19th Av NE—Ken 2875
Campbell, Willis LeRoy.....	Spokane	Carrroll, Geneva North.....	Seattle
LD, Bus.....	4503 Univ Blvd—Ken 236	UD, FA.....	5014 11th Av NE
Canfield, Iris.....	Seattle	Carroll, Virginia Wood.....	Seattle
LD, FA.....	1804 E 50th St—Ken 802	UD, LA.....	2003 E 47th St—Ken 185
Canney, Frank Russell.....	Seattle	Carson, Emma.....	Seattle
LD, CE.....	5054 7th Av NE—Ken 3029	Unc, Sci.....	1810 N 53d St
Canon, Donald M.....	Seattle	Carson, Leslie DeCamp.....	Seattle
LD, Bus.....	4535 Brooklyn Av	Grad.....	2318 N 44th St—N 2522
Caples, Douglas Elwood.....	Vancouver, Wn	Carson, Robert Hawley.....	Warren, Ill
LD, LA.....	5015 Univ Blvd—Ken 3169	LD, Bus.....	2120 47th St
Carbajosa, Vincent.....	Seattle	Carter, Charles J.....	Everett
Sp, Bus.....	4504 18th Av NE	LD, Bus.....	4716 12th Av NE
Card Mabel Emily.....	Helena, Mont	Carter, Lannor McKinley.....	Friday Harbor
LD, Bus.....	Lewis Hall, Campus—N 162	Unc, EE.....	Lander Hall, Campus—N 60
Cardwell, Frances.....	Pomeroy	Carter, Rachel Isabel.....	Garfield
UD, LA.....	4518 Univ Blvd—Ken 3216	Unc, FA.....	Clark Hall, Campus—N 262
Carey, Henry Ames.....	Seattle	Cartmill, Frances Lucile.....	Buena
Sp, LA.....	4318 11th Av NE—Ken 2575	Unc, LA.....	803 E 55th St
Carey, Robert Lincoln.....	Seattle	Cartmill, Eva Marguerite.....	Tulare, Cal
UD, Sci.....	4318 11th Av NE—Ken 2575	UD, Ed.....	4582 18th Av NE—Ken 1844
Carey, Ruth Isabelle.....	Seattle	Cartmill, William Gilmer.....	Tulare, Cal
LD, LA.....	739 34th Av	Unc, Min.....	5043 18th Av NE
Carkeek, Gwendolen.....	Seattle	Cartwright, L Dorothy.....	Seattle
Sp, FA.....	918 Boren Av	LD, LA.....	4336 Pasadena Pl
Carl, Emil Henry.....	Seattle	Carver, Roscoe J.....	Tacoma
LD, ChE.....	4529 12th Av NE—Ken 409	LD, LA.....	4524 19th Av NE—Ken 109
Carlender, Oswald Rudolph.....	Seattle	Casaciang, Cornelio.....	Philippines
LD, Phar.....	1029 E 68th St—Ken 3084	LD, ME.....	3002 Harvard Av
Carliri, Agnes Adele.....	Colville	Case, Avenant Byron.....	Seattle
UD, Ed.....	4535 18th Av NE—Ken 1429	Unc, For.....	4219 Brooklyn Av—N 3773
Carliri, Alfred Eugene.....	Colville	Case, Edson M.....	Puyallup
Unc, Bus.....	2003 E 47th St—Ken 185	2d, Law.....	4305 15th Av NE
Carlsen, Arthur.....	Tacoma	Case, Clara Madge.....	Juneau, Alaska
LD, EE.....	4537 11th Av NE—Ken 3000	LD, LA.....	4548 Univ Blvd—Ken 26
Carlson, Carl A.....	Wrangell, Alaska	Case, Mildred.....	Raymond
LD, ME.....	4522 18th Av NE—Ken 3681	Unc, LA.....	4551 Univ Blvd—Ken 501
Carlson, Cecelia C.....	Aberdeen	Cas, Randall Stanway.....	Seattle
Unc, LA.....	4543 18th Av NE	3d, Law.....	5604 16th Av NE—Ken 320
Carlson, Emil.....	Cosmopolis	Cassidy, T L.....	Seattle
LD, Bus.....	1616 E 47th St—Ken 149	Grad.....	321 W Blaine St
Carlson, Floyd Everett.....	Mt Vernon	Cassill, Charles Harvey Jr.....	Spokane
LD, ChE.....	4520 21st Av NE—Ken 2600	LD, Bus.....	2120 E 47th St—Ken 1176
Carlson, Iver W.....	Amber	Castner, Burton Menaugh.....	Seattle
LD, Bus.....	4410 Latona Av—N 4052	LD, LA.....	3206 Washington St—Bea 2162
Carlson, Joseph Emanuel.....	Lewiston, Ida	Caswell, Robert W.....	Seattle
UD, Ed.....	4035 15th Av NE	LD, ME.....	2447 Harvard Av N—Cap 2117
Carlson, Julia.....	Everett	Cate, Thelma Irene.....	Tacoma
LD, LA.....	1804 E 50th St—Ken 802	Unc, LA.....	2012 E 45th St—Ken 2645
Carlson, Robert Victor.....	Everett	Cathcart, Edith Eleanor.....	Seattle
LD, Sci.....	2622 W 58th St	LD, LA.....	556 19th Av—E 5712
Carmichael, Paul Clifford.....	Seattle	Cathro, Samuel P.....	Portland, Or
LD, Bus.....	310 E 50th St—Ken 2992	LD, FA.....	4308 9th Av NE
Carmody, Walter R.....	Seattle	Catlett, James T.....	Seattle
LD, ChE.....	615 Boren Av	UD, EE.....	4015 Meridian Av
Carney, Elsie Marjorie.....	Seattle	Catlin, Florence.....	Kelso
LD, LA.....	1110 18th Av N—E 7317	Unc, Ed.....	4722 20th Av NE—Ken 2577
Carpenter, Edward Laramie.....	Aberdeen	Cattle, Edith Agnes.....	Colville
Unc, CE.....	5212 20th Av NE	Unc, Sci.....	5214 Univ Blvd—Ken 844
Carpenter, Mary Jane.....	Seattle	Catton, Mildred Wheeler.....	Portland, Or
LD, FA.....	1015 Ravenna Blvd—Ken 1807	UD, Sci.....	4547 19th Av NE—Ken 23
Carpenter, Wayne Hubert.....	Pardeeville, Wis	Caughey, Margaret E.....	Seattle
Unc, Bus.....	4732 16th Av NE	LD, LA.....	124 28th Av
Carr, Dugold MacD.....	Seattle	Cave, Floyd A.....	Seattle
LD, Sci.....	2112 E 47th St—Ken 138	LD, LA.....	4009 2nd Av NE—N 2875
Carr, Eva Fabine.....	Seattle	Cave, Roy.....	Seattle
LD, Phar.....	2112 E 47th St—Ken 138	LD, LA.....	4009 2d Av NE
Carr, Howard Maynard.....	Tacoma	Cavender, Doris Capelle.....	Seattle
UD, ChE.....	4506 Univ Blvd—Ken 291	Bus.....	512 30th Av—E 7282
Carr, Nell.....	Spokane	Cavinta, Valentine C.....	Philippines
UD, Ed.....	4551 Univ Blvd—Ken 501	Sp, Law.....	YMCA—M 5208
Carrigan, Marian Dwyer.....	Seattle	Cayton, Madge Revels.....	Seattle
LD, Ed.....	4524 Univ Blvd—Ken 2496	LD, Bus.....	317 22d Av S—Bea 1910

- Cekada, Emil Bogonir.....Seattle  
LD, Sci.....317 26th Av N
- Cekada, Martha.....Seattle  
LD, Sci.....317 20th Av N
- Centeno, Rosario.....Seattle  
Unc, Sci.....4742 Brooklyn Av—Ken 1847
- Chacabourne, Charles.....Seattle  
LD, Bus.....1412 2d Av W—QA 3050
- Chadwick, Elizabeth.....Seattle  
LD, LA.....160 Madison St—E 3189
- Chauffin, Merrill.....Baker, Or  
Unc, CE.....Lander Hall, Campus—N 60
- Chalfant, Frank Elys.....Boise, Ida  
Grad.....2120 47th St E
- Chamberlain, Elizabeth.....Seattle  
UD, LA.....5412 20th Av NE
- Chamberlain, Ewart Hadley.....Spokane  
LD, Bus.....5212 18th Av NE—Ken 887
- Chamberlain, Helen Duncan.....Seattle  
Grad.....5412 20th Av NE
- Chamberlain, Percy Ira.....Seattle  
UD, Sci.....4505 18th Av NE—Ken 333
- Chambers, H Evelyn.....Olympia  
LD, PA.....5020 15th Av NE—Ken 2103
- Chambers, Horace J.....Seattle  
LD, LA.....316 10th Av
- Champlin, Winifred Esther.....Bremerton  
LD, Sci.....Lewis Hall, Campus—N 162
- Chandler, Louise Cary.....Yakima  
LD, PA.....4548 Univ Blvd—Ken 199
- Chapman, Aleta Elva.....Seattle  
LD, LA.....2346 N Broadway—Cap 505
- Chapman, Edith.....Seattle  
LD, LA.....5724 Univ Blvd—Ken 26
- Chapman, Fred W.....Seattle  
LD, Bus.....4524 19th Av NE—Ken 570
- Chapman, Leona Jean.....Clarkston  
LD, LA.....4530 Univ Blvd
- Chapman, Thomas Wayne.....Pasco  
Unc, Sci.....4023B 22d Av SW
- Chappell, Hiram Joseph.....Coulee City  
LD, LA.....5503 16th Av NE
- Charnley, Mitchell Vaughn.....Goshen, Ind  
Grad.....4223 12th Av NE—N 2664
- Charroin, Eule.....Seattle  
LD, Sci.....1303 E 41st St—N 544
- Chase, Phillip Nye.....Seattle  
LD, BE.....2120 Warren Av—QA 2758
- Chase, Warren Lelroy.....Yakima  
LD, Bus.....4520 21st Av NE—Ken 2000
- Chastain, Charles R.....Tacoma  
Unc, Bus.....4505 18th Av NE—Ken 333
- Chen, Suen.....China  
Unc, LA.....4528 Brooklyn Av—Ken 27
- Chen, Tse-Hao.....China  
Unc, Bus.....4528 Brooklyn Av—Ken 27
- Cheney, Joseph Curtis.....Montesano  
Unc, Law.....1605 E 47th St—Ken 84
- Cheng, Chien-Feng.....China  
Unc, Bus.....4528 Brooklyn Av—Ken 27
- Cheng, Chung-Kuei.....China  
Unc, Bus.....4528 Brooklyn Av—Ken 27
- Chesley, Dorothy Helen.....Seattle  
UD, LA.....1416 E 41st St—N 5
- Chilberg, Elmer.....Spokane  
LD, EE.....Lander Hall, Campus—N 60
- Chilberg, Ernest E.....Spokane  
LD, EE.....Lander Hall, Campus—N 60
- Child, Helen Taylor.....Seattle  
LD, LA.....6204 19th Av NE—Ken 2773
- Childs, Kenneth D.....Kansas City, Mo  
LD, For.....4120 10th Av NE—N 2609
- Chinn, Shaw.....Seattle  
LD, Sci.....721 King St—Ell 3273
- Chittenden, Hiram Martin.....Seattle  
UD, CE.....4530 14th Av NE—Ken 555
- Chittenden, Theodore P.....Seattle  
LD, For.....2408 N Broadway—Cap 204
- Chittick, Edna W.....Ken 1880  
Sp, LA.....6819 Univ Blvd—Ken 1880
- Chitty, Lyman Melville.....Everett  
LD, EE.....4239 11th Av NE
- Choy, Doo Whan.....Korea  
LD, Min.....YMCA, Campus—N 2684
- Christensen, Clarence R.....Olympia  
LD, Bus.....5243 19th Av NE—Ken 3460
- Christensen, L Earl.....Seattle  
Unc, Bus.....2017 2d Av
- Christensen, Vernon George.....Seattle  
Unc, Bus.....1906 E 45th St—Ken 2171
- Christian, Byron Hunter.....Spokane  
UD, Jour.....4550 18th Av NE—Ken 3072
- Christianson, Luella.....Seattle  
LD, Ed.....4534 Univ Blvd—Ken 20
- Christopher, Ian Wesley.....Olympia  
LD, Bus.....3831 11th Av NE—N 3638
- Christopherson, Andrew.....Spokane  
LD, CE.....4333 9th Av NE
- Christoffersen, William G.....Tacoma  
Unc, Bus.....Frye Hotel
- Church, Richard Arthur.....Wenatchee  
LD, ME.....5025 12th Av NE
- Church, Ruth Margaret.....La Conner  
LD, Ed.....7309 Woodlawn Av—Ken 1461
- Churchill, Norman Eugene.....Friday Harbor  
LD, Bus.....4734 12th Av NE—Ken 1355
- Chute, Harold Gordon.....Two Rivers  
Unc, LA.....Lander Hall, Campus—N 60
- Chute, G Roger.....Two Rivers  
UD, Bus.....Lander Hall, Campus—N 60
- Claque, Ewan.....Dayton  
Grad.....5608 Univ Blvd
- Clapp, Robert C.....Wenatchee  
LD, LA.....421 Summit Av N—Cap 838
- Clark, Carroll Clifton.....Kent  
LD, For.....Terry Hall, Campus—N 60
- Clark, Cecil C.....Yakima  
LD, Bus.....529 Belmont Av N—Cap 1828
- Clark, Elizabeth R.....Ellensburg  
LD, LA.....4540 Univ Blvd—Ken 1092
- Clark, Evva.....Bellingham  
LD, Bus.....4714 Univ Blvd—Ken 2253
- Clerk, Frank Willard.....Hoquiam  
LD, EE.....4746 20th Av
- Clark, George Edgar.....Everett  
Unc, Law.....2120 E 47th S
- Clark, Gwendolen Doloris.....Bremerton  
LD, Phar.....4551 Univ Blvd—Ken 501
- Clark, Howard Albert.....Parkerville, Mo  
LD, Bus.....YMCA—M 5208
- Clark, Laura Elizabeth.....Colville  
LD, Sci.....5435 18th Av NE—Ken 1420
- Clark, Nelson Lee.....Portland, Or  
LD, Bus.....4549 15th Av NE—Ken 475
- Clark, Newman Hall.....Everett  
Unc, LA.....2120 E 47th St—Ken 1176
- Clark, Norman W.....Seattle  
LD, Bus.....
- Clark, Thos Stuart.....Dungeness  
LD, Bus.....1628 6th Av W—QA 1891
- Clark, Wendell Whittier.....Seattle  
LD, Bus.....1428 E Pike St
- Clarke, Alta May.....Portland, Or  
UD, PA.....2612 E 45th St—Ken 2465
- Clarke, Beryl Arabelle.....Hood River, Or  
Unc, PA.....4508 16th Av NE
- Clarke, Ellnor.....Seattle  
UD, Sci.....4520 5th Av NE—N 1077
- Clarke, Harold.....Portland, Or  
LD, CE.....4230 Brooklyn Av—N 1123
- Clarke, Lillian.....Seattle  
LD, Sci.....4026 Willow St—Rai 458W
- Clarke, Loretta L.....Seattle  
LD, Sci.....5220 Brooklyn Av—Ken 1095
- Clarke, Richard G.....Seattle  
LD, Bus.....4520 5th Av NE—N 1077

Clarke, Richard K.....	Seattle	Cochrane, Henry P.....	Burma
LD, Bus.....4505 18th NE—Ken 333		LF, FA.....	YMCA—M 3208
Classic, Ralph Fred.....	Seattle	Cochrane, Maris Claire.....	Seattle
LD, EE.....4235 10th Av NE—N 1095		LD, Sci.....2015 W 60th St—Bal 1201	
Clausen, Chester K.....	Seattle	Cochrane, Roy.....	Seattle
LD, CE.....058 21st Av—E 4820		Unc, LA.....2114 N 63rd St—Ken 3510	
Clausen, Eba.....	Seattle	Coe, Dorothea Satherwaite (Mrs).....	Seattle
UD, LA.....4718 Univ Blvd—Ken 1882		Unc, LA.....137 E 37th St—Ken 3516	
Clausen, Wendell H.....	Seattle	Coffee, John Main.....	Tacoma
LD, Phar.....8446 46th Av S—Rai 233W		3d, Law.....1906 E 45th St—Ken 2171	
Claussan, Jeanne.....	Tacoma	Coffield, Florence R.....	Goldendale
LD, Bus.....4635 18th Av NE—Ken 1420		LD, LA.....5240 Univ Blvd—Ken 1009	
Claussen, Wells Horace.....	Seattle	Coffin, Geraldine.....	Seattle
Sp, EE.....YMCA—M 5208		UD, LA.....1027 Bellevue Court—Cap 3436	
Claypool, John Cowles.....	Seattle	Coffin, Margaret.....	Yakima
UD, Sci.....5210 1/2 12th Av NE—Ken 2650		UD, LA.....1027 Bellevue Court—Cap 3436	
Clein, Norman.....	Seattle	Coffman, Charles Robert.....	Sumner
LD, Sci.....035 37th Av—E 6099		LD, Phar.....4542 14th Av NE	
Cleland, Louise.....	Seattle	Coffman, Grace.....	Spokane
LD, Sci.....662 Olympic Pl—QA 3221		LD, LA.....4535 4th Av NE	
Cleman, Ralph Carroll.....	Ellensburg	Cofold, Walter B.....	Portland, Or
LD, Bus.....4506 Univ Blvd		Or, LA.....4630 14th Av NE—Ken 555	
Clemans, Irene Vivian.....	Lewiston, Ida	Cohen, George.....	Seattle
LD, LA.....4518 Univ Blvd—Ken 6210		LD, CE.....808 31st Av—E 8430	
Clemens, Catherine.....	Grants Pass, Or	Cohen, Philip.....	Lakebay
LD, Sci.....4742 18th Av NE—Ken 390		LD, EE.....Lander Hall, Campus—N 60	
Clemens, Charles Henry.....	Montesano	Cohoes, Orlando Sumpter.....	Spokane
LD, Sci.....5814 10th Av NE—Ken 2407		LD, LA.....4017 9th Av NE—Ken 3395	
Clericus, Marguerite.....	Seattle	Cole, C Gennette.....	Seattle
Sp, FA.....1605 E Madison St—E 4041		LD, Sci.....1633 Boylston Av—E 435	
Clifford, Ray C.....	Seattle	Cole, Gladys Genevieve.....	Seattle
LD, MD.....0518 25th Av NW—Bal 804		Unc, FA.....6207 Brooklyn Av	
Clifton, Clarence C.....	Seattle	Cole, Janice.....	Seattle
UD, ChE.....1712 Nob Hill Av—QA 86		LD, FA.....5042 21st Av NE—Ken 1731	
Cline, Felix John.....	Seattle	Cole, Kenneth Carey.....	Seattle
UD, ChE.....1222 Summit Av—E 6335		LD, LA.....2102 E 50th St—Ken 1550	
Cline, Marie Gladys.....	Olympia	Cole, Thelma Nadine.....	Sprague
Unc, Bus.....4101 Brooklyn Av		LD, FA.....4543 Univ Blvd	
Clingan, Claire C.....	Seattle	Coleman, Clarence Joseph.....	Everett
LD, LA.....5521 16th Av NE—Cap 2574		Grad.....4520 21st Av NE—Ken 2600	
Clithero, Russell L.....	Yakima	Coleman, Frederick William.....	Seattle
LD, CE.....4219 14th Av NE—N 300		LD, Bus.....4530 14th Av NE—Ken 555	
Close, Ancita L.....	Kalama	Coleman, John Edward.....	Portland, Or
LD, Ed.....4714 Univ Blvd—Ken 2253		UD, Ed.....4530 12th Av NE	
Clothier, Lyle Bell.....	Bellingham	Coleman, Raymond W.....	Renton
LD, Phar.....5015 Univ Blvd		LD, Bus.....	Renton
Clulow, John William.....	Newcastle	Coleman, Vera Faye.....	Bickleton
UD, ChE.....Renton, Box 1443		LD, FA.....4732 21st Av NE—Ken 119	
Clutton, Sam W F.....	Great Falls, Mont	Colesworthy, Jos B.....	Pendleton, Or
LD, Bus.....4746 18th Av NE—Ken 2704		UD, EE.....4503 Univ Blvd—Ken 236	
Coat, William Russell.....	Seattle	Colesworthy, Margaret.....	Pendleton, Or
Unc, Bus.....128 Highland Dr—QA 1407		UD, LA.....4710 Univ Blvd—Ken 1837	
Coats, Gladys.....	Raymond	Coillard, Benjamin V.....	Spokane
UD, Lib.....4547 Univ Blvd—Ken 1004		LD, Bus.....4532 18th Av NE—Ken 2827	
Coatsworth, Leonard.....	Mexico	Collett, Arthur Eugene.....	Seattle
UD, Jour.....Terry Hall, Campus—N 60		LD, LA.....1509 Kilbourne St—N 3911	
Cobb, Maurice Crossman.....	Wapato	Collier, Helen N.....	Seattle
LD, Bus.....4755 Brooklyn Av—Ken 766		Grad.....2218 N 41st St—N 702	
Coburn, Gladys.....	Lewiston, Ida	Collings, Bert Y.....	Seattle
Unc, LA.....4718 20th Av NE—Ken 2810		Sp, Min.....1107 Columbia St—M 4765	
Cochran, Avadana.....	Seattle	Collins, W Chapin.....	Seattle
Grad.....120 W Prospect St—QA 1390		UD, LA.....4520 21st Av NE—Ken 2600	
Cochran, Catharyn Elizabeth.....	Seattle	Collins, Cyril Alfred.....	Carson City, Nev
LD, LA.....120 W Prospect St—QA 1390		LD, EE.....4550 18th Av NE—Ken 8072	
Cochran, Charles Marion.....	Ione, Or	Collins, Elsie Dorothy.....	Seattle
Unc, Bus.....5217 12th Av NE—Ken 3693		LD, Bus.....1627 15th Av—E 1853	
Cochran, Lyaal Baker.....	Snohomish	Collins, Kenneth R.....	Ellisport
LD, EE.....4535 16th Av NE—Ken 3304		UD, LA.....4503 Univ Blvd—Ken 236	
Cochran, Nancy Lois.....	Portland, Or	Collins, Lee.....	Seattle
LD, LA.....4551 Univ Blvd—Ken 501		LD, Phar.....4323 Thackeray Pl—N 944	
Cochran, Velma.....	Seattle	Collins, Lenore M.....	American Lake
UD, LA.....200 18th Av N—Cap 1327		Unc, Sci.....	
Cochran, Virgil Arnel.....	Lewiston, Ida	Collins, Ruth.....	Triplette, Mo
Unc, Bus.....4203 11th Av NE—N 2364		LD, Ed.....5217 18th Av NE	
Cochrane, Edward.....	Kent	Collins, (Mrs) C C.....	Seattle
LD, LA.....4535 10th Av NE—N 4170		Sp Sci.....	
		Coiman, Kenneth Berwell.....	Seattle
		UD, Sci.....4505 10th Av NE—Ken 333	

- Colquhoun, Faith.....Seattle  
LD, LA.....2202 N 41st St
- Colson, Belle Tyler.....Seattle  
Sp, Bus.....5529 Kenwood Pl—N 353
- Colton, Jeanette.....Seattle  
LD, FA.....4540 Univ Blvd—Ken 1092
- Colton, Josephine H.....Seattle  
LD, CE.....4210 Whitman Av—N 993
- Colwell, George A.....Seattle  
Sp, EE.....
- Constock, George Kimball.....Seattle  
LD, Bus.....4506 Univ Blvd—Ken 201
- Compton, Harold.....Yakima  
LD, Bus.....3831 11th Av NE
- Conception de Gracia, Marcelo.....Philippines  
Unc, LA.....1404 E 41st St
- Condon, Dorothy.....Seattle  
Grad.....5017 15th Av NE—Ken 3314
- Conger, John A.....Nesperce, Ida  
LD, EE.....3825 11th Av NE—N 1239
- Conkey, Glen Byron.....La Grande, Or  
LD, Bus.....5235 Univ Blvd—Ken 618
- Conklin, Florence.....Renton  
LD, LA.....
- Conklin, Robert H L.....Seattle  
Sp, For.....5812 15th Av NE
- Conlan, Catherine Lucille.....Seattle  
LD, Bus.....2351 11th Av N—Cap 2731
- Connell, Joseph Arthur.....Seattle  
Unc, Bus.....118 24th Av—Bea 333
- Connolly, R Constance.....San Francisco, Cal  
LD, LA.....5020 15th Av NE—Ken 2193
- Conner, Garland D.....Spokane  
LD, Bus.....5003 18th Av NE—Ken 1692
- Conwell, Archie Mitchell.....Freewater, Or  
LD, Ed.....Lander Hall, Campus—N 60
- Conner, Dorothy H.....Seattle  
LD, Bus.....822 6th Av N—QA 1850
- Conner, James E.....Colby  
SC Fish.....507 Colman Bldg—Ell 2080
- Conrad, Frank Huessey.....Seattle  
LD, ChE.....713 24th Av N—E 2433
- Cook, Ellis Barber.....Seattle  
LD, For.....1620 3d Av W—QA 82
- Cook, Erving S.....San Diego, Cal  
UD, Bus.....4593 Uni Blvd—Ken 236
- Cook, Jennie Nixon.....Burns, Or  
LD, LA.....4735 21st Av NE—Ken 119
- Cook, Lois F.....Snohomish  
UD, Ed.....4714 Univ Blvd—Ken 2253
- Cook, Lois Miriam.....Seattle  
LD, FA.....1020 W Crockett St—QA 3286
- Cook, Harold Thomas.....Bremerton  
LD, ChE.....
- Cooke, Margaret J.....Seattle  
LD, Sci.....Univ Blvd—Ken 1125
- Cooke, Philetus.....Bellingham  
LD, LA.....Terry Hall, Campus—N 60
- Cooley, Austin George.....Seattle  
LD, EE.....2108 Smith Bldg—Ell 879
- Cooley, Zoe Lathrop.....Seattle  
Unc, FA.....Clark Hall, Campus—N 262
- Cooney, Alta Carolyn.....Seattle  
LD, Ed.....4216 Pasadena Pl—N 2852
- Cooper, Althea Emily.....Seattle  
LD, LA.....805 14th Av N—Cap 3506
- Cooper, Elsie Lawson.....Seattle  
LD, LA.....7451 Corliss Av
- Cooper, George H.....Seattle  
Unc, LA.....1425 E Prospect St—Cap 1294
- Cooper, Sturtevant Helen.....Charleston  
Unc, LA.....4732 21st Av NE
- Cooper, Isabel Donkin.....Tacoma  
LD, LA.....5208 18th Av NE
- Coope, Jess.....Seattle  
LD, ChE.....Lander Hall, Campus—N 60
- Cooper, Leland.....Seattle  
LD, Bus.....4244 7th Av NE—N 1188
- Cooper, Rebecca.....Seattle  
Sp, Bus.....526 24th Av S—Bea 1566
- Cooper, Wallace Albert.....Seattle  
2d, Law.....0032 25th Av NE
- Cooper, Walter Frederick.....Seattle  
Unc, LA.....1425 E Prospect St—Cap 1294
- Coplen, George W.....Spokane  
LD, CE.....Lovely Apts—QA 3533
- Cootes, Sarah Marion.....Seattle  
LD, Bus.....4504 18th Av NE—Ken 140
- Coppage, Thomas.....Seattle  
LD, Bus.....2018 Mayfair Av—QA 2444
- Copeland, May.....Seattle  
Sp, Sci.....5004 Univ Blvd—Ken 298
- Corbett, Alexander Hazen.....Yakima  
UD, FA.....1006 E 45th St—Ken 2171
- Corbett, Mary Frances.....Seattle  
Unc, Ed.....4539 34th Av S—Rain 750 M
- Corbin, Louise Ellen.....Portland, Or  
UD, Bus.....4710 Univ Blvd—Ken 1857
- Corbitt, Willis Gregg.....Seattle  
UD, For.....4535 6th Av NE—N 3718
- Corbus, Patrick.....Seattle  
LD, LA.....2705 3d Av N—QA 4533
- Cordero, M Rosario.....Philippines  
LD, Phar.....4742 Brooklyn Av—Ken 1847
- Cordz, Oliver W.....Seattle  
LD, Bus.....5218 16th Av NE—Ken 089
- Corlett, Thirza Esther.....Seattle  
LD, Bus.....827 W 62d St
- Corliss, Webster Ayrus.....Portland, Or  
Unc, Bus.....4748 19th Av NE—Ken 661
- Cornello, Celerino Santos.....Philippines  
LD, Sci.....1404 E 41st St
- Cornellus, Roland.....Seattle  
LD, Bus.....4223 E 33d St—Ken 873
- Cornell, Lora Alice.....Tacoma  
LD, LA.....4714 19th Av NE—Ken 2761
- Corner, Watson.....Wallace, Ida  
UD, Bus.....5235 17th Av NE—Ken 618
- Cornue, Max Donald.....Selah  
1st, Law.....5212 18th Av NE—Ken 887
- Cornwall, Leo Mason.....Seattle  
Unc, Bus.....4711 14th Av NE—Ken 1015
- Corskie, Florence Beryl.....Seattle  
LD, Sci.....0025 Greenwood Av—Bal 1761
- Corson, Eldred William.....Ione, Or  
Unc, Bus.....5217 12th Av NE—Ken 3693
- Coryell, Alice Roberta.....Seattle  
Unc LA.....RFD 4, Box 234—W 386R
- Costello, Mary Eleanor.....Mt Vernon  
LD, FA.....1552 10th Av N—E 1540
- Cottle, Edce.....Suquamish  
Sp, Sci.....
- Coughlin, Mary W.....Seattle  
Sp, Sci.....953 18th Av N—E 1654
- Council, Elizabeth.....Seattle  
UD, LA.....5625 15th Av NE—Ken 276
- Countdyman, Eva A.....Methow  
UD, Sci.....5430 Univ Blvd—Ken 983
- Coupe, Rhea Margaret.....Seattle  
LD, Bus.....1528 18th Av—E 5804
- Courtney, C Edwin.....Seattle  
3d, Law.....1438 W 46th St—Bal 3317
- Coventry, Edwin James.....Everett  
LD, Bus.....3615 26th St, Everett
- Cowan, Harry W.....Seattle  
LD, Bus.....3915 2d Av NE—N 644
- Cowgill, Lester Blaine.....Somers  
Grad.....5038 18th Av NE—K 1103
- Cowling, Harriet.....Lieton  
LD, Sci.....4742 18th Av NE—Ken 396
- Cox, Bea Tribou.....Seattle  
LD, FA.....271 E John St—Cap 2012
- Cox, Clifford George.....Pasadena, Cal  
LD, Bus.....1605 E 45th St—Ken 84
- Cox, Gladys Mabel.....Colfax  
Unc, LA.....4502 20th Av NE—Ken 685

# REGISTER OF STUDENTS

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Cox, Herbert Lee.....Kellogg, Ida	Crowley, Montana.....Butte, Mont
Unc, Bus.....4530 14th Av NE—Ken 555	Unc, Ed.....104 17th St
Craib, Agnes Elizabeth.....Seattle	Crumb, Joseph Albert.....Morton
LD, Bus.....2146 N 64th St—Ken 1308	Unc, Bus..ASTUW, Campus, N 2950—Lo 49
Craig, Charlotte Ellen.....Seattle	Crump, John Kennan.....Seattle
LD, FA.....308 Olympic Pl—QA 4253	UD, Ed.....4126 Brooklyn Av—N 2295
Craig, Miriam.....Seattle	Cuddy, George A.....Tacoma
LD, Sci.....912 E Lynn St—Cap 2730	UD, Bus.....5011 10th Av NE—Ken 2875
Cram, Winfield R.....Raymond	Cullinan, Nicholas.....Seattle
UD, Bus.....1616 E 47th St—Ken 149	LD, LA.....4313 4th Av NE
Cramb, Donald.....Seattle	Culliton, J Estelle.....Spokane
Sp, For.....	Unc, LA.....5217 14th Av NE—Ken 1061
Cramer, Russell Jay.....Bellevue	Culliton, John G Jr.....Seattle
LD, ME.....Bellevue RFD 1	LD, EE.....5217 14th Av NE—Ken 1061
Crane, Earl B.....Spokane	Culver, Leda Gertrude.....Friday Harbor
SC, Min.....4736 18th Av NE	UD, LA.....Clark Hall, Campus—N 262
Crane, Lillian.....Seattle	Culver, Ralph Milton.....Seattle
LD, LA.....2036 King St—Bea 1046	LD, Bus.....14 W Crockett St
Crary, Marion Elma.....Aberdeen	Cummings, Ardyece Helen.....Seattle
LD, LA.....4718 20th Av NE—Ken 2815	LD, Ed.....4736 10th Av NE—Ken 2030
Craske, Frederick H.....Bellingham	Cundall, Joseph Raymond.....South Bend
UD, Ed.....4239 11th Av NE—N 1469	LD, ME.....1618 E 47th St—Ken 240
Craven, Leonard Thomas.....Spokane	Cunningham, Creigh.....Everett
LD, Sci.....1210 3d Av N	LD, LA.....4504 18th Av NE—Ken 146
Craver, Eugenia M.....Seattle	Cunningham, Dorsey A.....Olympia
UD, FA.....805 Bellevue Av N—Cap 950	Unc, Bus.....4311 11th Av NE
Crawford, Arthur Wallace.....Ritzville	Curran, Ben.....Aberdeen
LD, Bus.....4506 Univ Blvd—Ken 291	LD, CE.....1006 E 45th St—Ken 2171
Crawford, Wallace W.....Vancouver, B C	Curry, (Mrs) Altha Perry.....Seattle
Unc, Sci.....4504 16th Av NE—Ken 647	Grad.....4730 10th Av NE—Ken 1810
Crawford, Wilhelmina B.....Walla Walla	Currey, Ruth Seymour.....Evanston
LD, LA.....2012 E 45th St—Ken 2645	LD, LA.....4547 Univ Blvd
Crawford, W Randall Jr.....Seattle	Currie, Donald Campbell.....Everett
UD, LA.....4520 21st Av NE—Ken 2000	Unc, Bus.....4524 10th Av NE—Ken 375
Crawshaw, Arthur.....Seattle	Curry, I R A.....Seattle
LD, ChE.....4534 15th Av NE—Ken 3349	LD, Bus.....4554 Latona Av—N 3272
Creamer, Una Lillian.....Seattle	Currie, Mary Esther.....Cashmere
LD, LA.....139 E 60th St	LD, Sci.....4703 18th Av NE—Ken 2826
Crell, Edward, Jr.....Seattle	Currie, Robert Allan.....Kirkland
UD, ChE.....5212 20th Av NE—Ken 2740	Unc, EE.....Kirkland, RFD 1
Crichton, Dorothy.....Bremerton	Curtis, Frank Lewis.....Seattle
UD, LA.....4303 11th Av NE—N 3457	LD, Bus.....310 E Harrison St—Cap 393
Crim, Winnifred Dulcenia.....Seattle	Curtis, Gall Bertha.....Seattle
Unc, LA.....4357 9th Av NE—N 2776	LD, LA.....282 RFD 8—Sid 1407
Crummins, Florence.....Seattle	Curtis, Helen E.....Wapato
Unc, Sci.....1531 17th Av N—E 4210	Unc, FA.....5762 Green Lk Blvd—N 1094
Crisler, Ray Hamilton.....Spokane	Curtis, Margaret M.....Seattle
Sp, Bus.....5212 18th Av NE—Ken 887	Unc, Ed.....1115 8th Av W—QA 1029
Criss, Charles C.....Portland, Or	Curtis, Ruth Geneva.....Seattle
LD, Bus.....4724 9th Av NE—Ken 2019	Unc, LA.....5727 Univ Blvd—Ken 1082
Crombie, F Walter.....Olympia	Curtiss, Verne Elizabeth.....Grand Dalles
LD, For.....5243 19th Av NE—Ken 3460	LD, Bus.....Lewis Hall, Campus—N 162
Crompton, Margaret.....Victoria, B C	Curzon, John.....Seattle
LD, LA.....1532 31st Av S—Bea 2854	LD, Min.....1047 Alki Av—W 447J
Cronise, Harry Wilmot.....Salem, Or	Cushman, Edward Henry.....Tacoma
LD, FA.....4504 16th Av NE—Ken 647	Unc, EE.....4520 21st Av NE—Ken 2600
Cronk, Myron P.....Seattle	Cutter, Julia Louise.....Sheridan, Wyo
LD, Bus.....1102 Bailey St	LD, Sci.....5620 20th Av NE
Crosby, Frank Paul.....Portland, Or	Cutting, Julia Winifred.....Seattle
LD, Bus.....6310 16th Av NE—Ken 1655	LD, LA.....710 33d Av—E 6829
Crosby, Harold William.....Seattle	Cutting, Roger Hall.....Seattle
Unc, Bus.....1233 Federal Av—Cap 2804	LD, Bus.....4510 12th Av NE—Ken 724
Crosby, Sarah Miriam.....Pensacola, Fla	Cutts, Beatrice Tyler.....Seattle
LD, Sci.....321 Univ Blvd—E 8068	LD, LA.....6231 34th Av NE
Cross, Lois E.....Seattle	Cutts, Laura L.....Seattle
Unc, Sci.....4223 Densmore Av—N 3779	UD, LA.....6231 34th Av NE
Crouch, Donna Leone.....Custer, Mont	
Unc, Bus.....5825 16th Av NE—Ken 818	
Crowley, Anne Claire.....Seattle	
UD, LA.....5218 Univ Blvd—E 5045	
Crouse, Katherine Edna.....Seattle	
Unc, LA.....4719 8th Av NE—Ken 2777	
Crowder, Harriet.....Seattle	
Unc, LA.....352 21st Av N—E 5045	
Crowe, F Malcolm.....Seattle	
LD, Sci.....5017 12th Av NE—Ken 2601	
Crowley, Beatrice.....Seattle	
LD, ME.....1424 E Ward St—Cap 1002	
	Daggett, Annie Rachel.....Port Ludlow
	LD, Bus.....Clark Hall, Campus—N 262
	Dahl, Aad Joel.....Kenosha, Wis
	UD, Bus.....4580 14th Av NE—Ken 555
	Dahl, Ellen.....Portland, Or
	LD, LA.....5026 Univ Blvd—Ken 2480
	Dahl, Florence.....Seattle
	Sp, Ed.....4750 18th Av NE—Ken 2594
	Dahl, Victor.....Wenatchee
	UD, LA.....4580 14th Av NE—Ken 555



- Dahlen, Vesta.....Seattle  
 LD, LA.....2008 Shoreland Dr—Bea 2492  
 Dahlin, Ebba.....Seattle  
 Grad.....46 E Boston St—Cap 2018  
 Dalley, Ervin F.....Everett  
 1st, Law.....1712 Ravenna Blvd  
 Dalley, H Mildred.....Seattle  
 LD, LA.....2811 Queen Anne Av—QA 483  
 Dalley, Ruth Ellen.....Everett  
 LD, Bus.....4514 18th Av NE—Ken 188  
 Dalbey, Allan K.....Choteau, Mont  
 LD, Bus.....5225 14th Av NE  
 Dally, Katharine.....Seattle  
 LD, LA.....1207 E Boston St—Cap 2434  
 Dally, Ruth Willet.....Seattle  
 LD, LA.....4540 Univ Blvd—Ken 1002  
 Dalton, Edwin Herndon.....Olympia  
 LD, Bus.....2120 E 47th St—Ken 1176  
 Dalton, John Clarke.....Yakima  
 LD, Bus.....  
 Dalton, Ralph.....Spokane  
 Sp, Sci.....618 20th Av N—E 5248  
 Daly, Milton Joseph.....Kitchikan, Alaska  
 LD, EE.....1616 E 47th St—Ken 149  
 Daly, William J Jr.....Port Townsend  
 LD, LA.....Lander Hall, Campus—N 60  
 Dammonn, Marjorie Luse.....Parkland  
 UD, Sci.....Lewis Hall, Campus—N 102  
 Dand, John Mungo.....Seattle  
 LD, Bus.....5040 18th Av NE—Ken 3547  
 Daniels, Eve Ypln.....Puyallup  
 LD, Sci.....5501 20th Av NE—Ken 1572  
 Daniels, Raymond Eugene.....Seattle  
 LD, CE.....1416 E 41st St  
 Danielson, Ella Theodora.....Tacoma  
 UD, LA.....5020 15th Av NE  
 Danielson, Lillian Catherine. Milwaukee, Wis  
 Sp, Ed.....4422 4th Av NE—N 3111  
 Danielson, Russell O.....Spokane  
 LD, Bus.....4704 18th Av NE—Ken 541  
 Danner, Earl Young.....Seattle  
 LD, EE.....1816 E 63d St—Ken 1225  
 Dare, Earl.....Seattle  
 LD, Bus.....4506 Univ Blvd—Ken 291  
 Dark, Carleton Willits.....Vancouver, Wash  
 LD, ME.....2012 E 45th St—Ken 2645  
 Darling, Irene Frances.....South Bend  
 LD, LA.....5026 15th Av NE—Ken 1087  
 Daubenspeck, Marion.....Riggins, Ida  
 UD, Ed.....2006 E 47th St—Ken 8476  
 Daugherty, Anna Mott.....Seattle  
 Unc, Sci.....1407 Minor St  
 Daugherty, A Iva.....Seattle  
 LD, Ed.....4815 Orcas St—Bal 1065 W  
 Dautoff, Victor.....Portland, Or  
 UD, CE.....Terry Hall, Campus—N 60  
 David, Emerson E.....Seattle  
 Unc, Bus.....1246 16th Av N  
 David, Oscar D.....Seattle  
 LD, Jour.....100 Eastlake Av—E11 1458W  
 Davidson, Beth.....Seattle  
 UD, Sci.....403 W Comstock—QA 327  
 Davidson, Jean.....Seattle  
 Unc, LA.....403 W Comstock St—QA 327  
 Davidson, Thomas Nelson.....Seattle  
 LD, LA.....2233 13th Av N—Cap 1922  
 Davies, Enid Elaine.....Spokane  
 LD, LA.....5214 Univ Blvd—Ken 844  
 Davies, Harold Cory.....Newcastle  
 Unc, Min.....2727 E 54th St—Ken 758  
 Davies, Lucille C.....Port Orchard  
 LD, LA.....Port Orchard  
 Davies, Milton.....Coronado  
 Unc, For.....915 E Mercer St  
 Davies, Myron Lloyd.....Seattle  
 LD, Bus.....5212 18th Av NE—Ken 887  
 Davies, Violet.....Tacoma  
 LD, Sci.....4210 Bagley Av—N 2286  
 Davis, Arver John.....Lyman  
 LD, For.....Lander Hall, Campus—N 60  
 Davis, Benjamin Franklin.....Farmington  
 LD, EE.....4747 14th Av NE—Ken 3376  
 Davis, Beryl Walsh.....Seattle  
 LD, Bus.....4712 21st Av NE—Ken 474  
 Davis, Caleb Forbes.....Seattle  
 LD, LA.....3608 Schubert Pl  
 Davis, Cecilia M.....Seattle  
 UD, LA.....1108 17th Av N—E 6523  
 David, Dorothy Carvel.....Seattle  
 LD, Sci.....5516 10th Av NE—Ken 2347  
 Davis, Dorothy C.....Seattle  
 UD, Sci.....5516 10th Av NE—Ken 2347  
 Davis, Cora Jean.....Olympia  
 UD, LA.....5225 Univ Blvd—Ken 1717  
 Davis, Dorothy E.....Seattle  
 LD, FA.....120 N 46th St—N 1513  
 Davis, Dwight E.....Port Orchard  
 LD, Min.....4504 10th Av NE—Ken 647  
 Davis, Emma A.....Seattle  
 Sp, EE.....2706 87th Av SW  
 Davis, Ethel.....Seattle  
 Unc, LA.....1909 E Galer St—E 1716  
 Davis, Garnet Morrell.....Wapato  
 Unc, Bus.....5269 Univ Blvd  
 Davis, Grace.....Tacoma  
 LD, Sci.....4703 18th Av NE—Ken 2826  
 Davis, Harold Alonzo.....Seattle  
 LD, Bus.....1906 E 45th St—Cap 185  
 Davis, Lila.....Tacoma  
 UD, LA.....4502 20th Av NE—Ken 685  
 Davis, Lois Lillian.....Seattle  
 UD, FA.....5516 10th Av NE—Ken 2347  
 Davis, Marsh Stephen.....Seattle  
 LD, Bus.....4503 Univ Blvd—Ken 236  
 Davis, Mary Aleen.....Bellingham  
 LD, Sci.....4723 18th Av NE—Ken 2766  
 Davis, Paul Bryan.....Endicott  
 LD, EE.....4550 18th Av NE—Ken 3072  
 Davis, Ruth M.....Bellingham  
 UD, Phar.....4723 18th Av NE—Ken 237  
 Davis, Tomline O.....Kennewick  
 LD, Bus.....Lewis Hall, Campus—N 162  
 Davison, Elmer Edgar.....Boise, Ida  
 LD, Bus.....4307 11th Av NE—N 3475  
 Davison, Hazel Evelyn.....Sedro-Wooley  
 Unc, Sci.....3904 14th Av NE  
 Dawe, Ernest L.....New Westminster, B C  
 LD, ME.....5020 12th Av NE—Ken 2044  
 Daws, Leslie Edward.....Hoquiam  
 Sp, Bus.....Lander Hall, Campus—N 60  
 Day, Edwin John.....Yakima  
 LD, Phar.....4323 8th Av NE—Ken 1642  
 Day, James F.....Victoria, B C  
 Unc, LA.....5012 10th Av NE—Ken 3227  
 Deaderick, Kelly Dent.....Halfway, Or  
 LD, LA.....YMCA  
 Dean, Edward.....Olympia  
 LD, EE.....4235 10th Av NE  
 Dean, James Strickler.....Seattle  
 LD, EE.....4022 Brooklyn Av—N 1714  
 Dean, Josephine A.....Seattle  
 LD, FA.....4703 18th Av NE  
 Dean, Floyd Merlin.....Bellingham  
 LD, Che.....4200 6th Av NE—N 780  
 Dean, William Paul.....Seattle  
 LD, Bus.....4022 Brooklyn Av—N 1714  
 Deardorf, Genevieve.....Portland, Or  
 Sp, Ed.....2126 Shelley St—E 2723  
 Dearle, Albert M.....Everett  
 LD, Bus.....4249 10th Av NE—N 3215  
 DeBard, Bernice Luella.....Seattle  
 LD, Ed.....  
 De Belen, Melchor.....Philippines  
 Unc, Sci.....1821 8d Av  
 De Can, Ina.....Seattle  
 UD, Ed.....1416 E 41st St—N 3611

De Can, Lawrence.....Seattle  
 UD, ME.....1416 E 41st St—N 8611  
 De Chenne, Homer R.....Spokane  
 LD, Bus.....5015 Univ Blvd—Ken 3169  
 Decote, Henry.....Yakima  
 LD, ME.....1318 E 65th St  
 Deets, Walter T.....Almira  
 LD, Sci.....5015 Univ Blvd—Ken 3619  
 DeForse, Helen Josephine.....Spokane  
 LD, LA.....5047 18th Av NE—Ken 2483  
 De Groote, Lawrence W.....Auburn  
 LD, For.....3828 Fremont Av  
 De Groote, Lloyd Henry.....Auburn  
 Unc, For.....3828 Fremont Av  
 De Han, Le Roy Maurice.....Seattle  
 Unc, Bus.....1810 24th Av S  
 De Haven, Edward Elmore.....Seattle  
 LD, EE.....3821 Eastern Av—N 2253  
 Deterlein, Grace Margaret.....Everett  
 UD, LA.....4508 16th Av NE—Ken 2768  
 De Jong, Dowa.....Lynden  
 LD, Phar.....1202 Marion St  
 De Kay, Frank G.....Blackfoot, Ida  
 LD, Bus.....5235 Univ Blvd—Ken 618  
 De Lancey, Margaret.....Seattle  
 LD, Bus.....802 Seneca St—E11 4244W  
 De Laney, Henry Louis.....Oswego, Mont  
 LD, Bus.....4720 9th Av NE  
 Delaney, Margaret Lenore.....Seattle  
 LD, FA.....3219 Cascadia Av  
 Delkin, Hattie May.....Seattle  
 LD, LA.....1134 23d Av N—E 8710  
 Delkin, James Ladd.....Seattle  
 Unc, LA.....1134 23rd Av N—E 8710  
 Delong, Abe J.....Seattle  
 UD, EE.....4134 12th Av NE—N 335  
 Delvendahl, B Marie.....Charleston  
 1st, Law.....5218 Univ Blvd—Ken 3212  
 Demuth, Orin Anton.....Seattle  
 LD, EE.....320 Summit Av N—Cap 3912  
 Denhof, Sherlie Pruden.....Chehalis  
 LD, LA.....1527½ E 31st St  
 Denney, Alice Irene.....Seattle  
 Unc, FA.....1909 N 48th St—N 3410  
 Denney, Charles Roland.....Everett  
 LD, LA.....2120 E 47th St—Ken 1176  
 Dennis, O Harrison.....Idaho Falls, Ida  
 LD, LA.....1605 E 47th St—Ken 2431  
 Denny, David Thomas.....Seattle  
 LD, Min.....2810 Eastlake Av—Cap 1576  
 Dennis, Margaret.....Seattle  
 LD, LA.....4721 14th Av NE—Ken 2122  
 Denny, Robert Orr.....Seattle  
 LD, Bus.....4505 18th Av NE—Ken 333  
 Dent, Clare.....Port Angeles  
 LD, LA.....5202 15th Av NE—Ken 1809  
 Denton, MG.....  
 Sp, EE.....  
 Derikito, Servillano.....Philippines  
 Unc, Ed.....5827 16th Av NE—Ken 408  
 De Rosa, Florence.....Seattle  
 UD, Ed.....2871 Belvedere Av—W 1124R  
 Derr, Elva Jeanne.....Seattle  
 LD, Ed.....4714 Univ Blvd  
 De Sellem, George Wesley.....Toppenish  
 UD, EE.....4788 Brooklyn Av—Ken 1916  
 Deslata, Robert.....Portland, Or  
 LD, ME.....6310 16th Av NE  
 De Shon, Marguerite.....Seattle  
 UD, Sci.....4323 2nd Av NE—N 2373  
 De Soto, Alexander.....Seattle  
 LD, ME.....4521 Lucille St  
 De Spain, Harold S.....Palmer, Or  
 LD, For.....1906 E 45th St—Ken 2171  
 Detjen, Herbert.....Green Bay, Wis  
 Unc, FA.....Lander Hall, Campus  
 Devenish, Hazel Belle.....Spokane  
 LD, FA.....4551 Univ Blvd—Ken 501

Dever, Clarence.....Laclede, Ida  
 LD, Sci.....Campus Barracks  
 Devin, Mary Elmah.....Seattle  
 UD, Ed.....4547 19th Av NE—Ken 23  
 Devin, William Franklin.....Seattle  
 LD, LA.....5608 Univ Blvd—Ken 1964  
 De Vine, Harry Edward.....Kittitas  
 Unc, LA.....19 W Thomas St—QA 2592  
 Devlin, Felix.....  
 Sp, EE.....  
 De Voe, Donald Robert.....Seattle  
 UD, Bus.....4711 18th Av NE—Ken 1642  
 Devonshire, Anna Laura.....Montesano  
 LD, Sci.....4754 16th Av NE—Ken 2988  
 Dewar, Fred A.....Seattle  
 LD, Bus.....RFD 5  
 Dewhurst, Alice Janet.....Seattle  
 LD, Ed.....384 17th Av  
 Dibble, Alice Rachel.....Berkeley, Cal  
 UD, Ed.....4548 Univ Blvd—Ken 26  
 Dibble, Frances.....Berkeley, Cal  
 UD, Ed.....4548 Univ Blvd—Ken 26  
 Dick, Elma.....Lewiston, Ida  
 Unc, FA.....2012 E 45th St  
 Dickens, Gordon Marguerite.....Stellacoom  
 LD, Sci.....4732 21st Av NE—Ken 119  
 Dickens, Oliver Harold.....Moscow, Ida  
 LD, Bus.....5042 21st Av NE  
 Dickeman, H Elmer.....Tacoma  
 UD, CB.....5821 15th Av NE—Ken 3467  
 Dickerson, William Eugene.....Seattle  
 LD, Bus.....4505 15th Av NE—Ken 720  
 Dickey, Frank Heald.....Seattle  
 LD, Min.....1424 7th Av W—QA 2711  
 Dickinson, Dean Howells.....Portland, Or  
 2d, Law.....4744 9th Av NE—Ken 3747  
 Dickinson, Laura Cornelia.....Dayton  
 UD, LA.....4534 Univ Blvd—Ken 20  
 Dickinson, Phillips.....Seattle  
 LD, EE.....4520 21st Av NE—Ken 2600  
 Dickson, Geraldine Mildred.....Omak  
 Unc, FA.....4746 16th Av NE—Ken 401  
 Dickson, Robert Wells.....Portland, Or  
 LD, LA.....4312 6th Av NE—N 2150  
 Dickson, Virgil Paul.....Omak  
 LD, Bus.....1906 E 45th St—Ken 2171  
 Dietrichs, Theodore Arthur.....Seattle  
 LD, EE.....410 18th Av N  
 Diggles, L Esther.....Salmon, Ida  
 LD, Bus.....4551 Univ Blvd—Ken 4181  
 Dill, Edwin C.....Bremerton  
 Unc, Bus.....Bremerton  
 Dillingham, Florence.....Malden  
 LD, Sci.....4547 Univ Blvd—Ken 1004  
 Dillon, Caroline.....Seattle  
 Sp, FA.....4026 10th Av NE—N 1631  
 Dillen, Roll N.....Seattle  
 LD, Bus.....28 W Galer St—QA 140  
 Dilworth, Elizabeth Eleanor.....Seattle  
 Unc, Sci.....1320 E 62d St—Ken 1826  
 Dimock, Everett.....Seattle  
 LD, ChE.....424 35th Av—E 1670  
 Dimock, Stuart Marshall.....Seattle  
 LD, CE.....424 35th Av—E 1670  
 Dingle, Helen.....Yakima  
 LD, Bus.....4518 Univ Blvd—Ken 3216  
 Dinsmore, Stephen.....Yakima  
 LD, Bus.....5015 Univ Blvd  
 Dirks, Donald C.....Spokane  
 LD, Fish.....5235 Univ Blvd—Ken 618  
 Dishman, Mildred.....Prineville, Or  
 LD, Bus.....604 E 45th St—N 3485  
 Dix, Ruth Edgerton.....Seattle  
 LD, Sci.....2206 Crescent Dr  
 Dobbs, Jean Swift.....Seattle  
 LD, Ed.....1212 L C Smith Bldg  
 Dobbs, Thomas Erwin.....Tacoma  
 UD, LA.....4532 18th Av NE—Ken 2827

- Dobson, Chris G .....Seattle  
 Grad .....  
 Dobson, Thomas Sutherland.....Renton  
 Unc, LA.....Renton  
 Dodd, Hamlet Forch.....Wapato  
 UD, LA.....1605 E 47th St—Ken 2431  
 Dodd, Harry Le Roy.....Seattle  
 LD, LA.....6801 14th Av NE—Ken 719  
 Dodd, Joseph.....Seattle  
 LD, EE.....6801 14th Av NE—Ken 719  
 Dodge, Bradley M.....Bordeaux  
 Sp, Ed.....4023 12th Av NE  
 Dodge, Estella Grace.....Portland, Or  
 LD, For.....912 E 42d St  
 Dodge, Harold Tracy.....Seattle  
 LD, ME.....4260 Linden Av—N 947  
 Dodge, Maxine.....Anacortes  
 LD, Bus.....4524 Univ Blvd—Ken 2496  
 Dodge, Oliver Robert.....Seattle  
 Sp, ME.....2012 E Lynn St—E 5163  
 Dodson, Leona.....Baker, Or  
 Unc, Bus.....1404 E 63d St  
 Doherty, Harriet Josephine.....Seattle  
 LD, LA.....526 18th Av—E 42  
 Dollenbacher, Esther Alice.....Selah  
 Sp, Bus.....5214 Univ Blvd  
 Dolph, Adelaide Valentine.....Vashon  
 Sp, LA.....Clark Hall, Campus—N 282  
 Donahoe, Eugene Frances.....Elma  
 LD, Bus.....4333 9th Av NE—N 1498  
 Donohue, Mrs Merle.....San Diego, Cal  
 UD, FA.....Weir Apts—N 3492  
 Donatelli, Domine.....Seattle  
 LD, ChE.....2610 Day St—Bea 1822  
 Doneen, Lawrence.....Wenatchee  
 LD, Min.....5025 12th Av NE  
 Donley, Mabel.....Seattle  
 LD, FA.....4710 Univ Blvd—Ken 1857  
 Donovan, William McKinley.....Seattle  
 LD, EE.....4215 15th Av NE  
 Dootson, Jay Edward.....Everett  
 LD, Bus.....5023 8th Av NE—Ken 2351  
 Dorran, Claude Bussel.....Burlington  
 LD, Sci.....Terry Hall, Campus—N 60  
 Dore, Esther Agnes.....Seattle  
 LD, Ed.....214 Summit Av N—Cap 3040  
 Doremus, Della Ellen.....Seattle  
 LD, Sci.....6514 4th Av NE—Ken 3101  
 Dorfner, Earl George.....Seattle  
 Unc, Law.....2321 4th Av—E11 820W  
 Dorsey, Harold Power.....Seattle  
 LD, EE.....1729 Broadway—E 5278  
 Dose, Julia Louise.....Seattle  
 LD, Bus.....2818 33d Av S  
 Dost, Fred William.....Seattle  
 Sp, Bus.....6427 Kirkwood Pl—N 1165  
 Doty, Charlotte.....Chehalis  
 LD, Ed.....2012 E 45th St—Ken 2645  
 Doty, Wayne Lanning.....Seattle  
 LD, FA.....1010 Sylvester Place—Ken 3137  
 Douglas, Donald Emery.....Seattle  
 LD, Bus.....1724 E 56th St—Ken 1436  
 Douglas, Lucille.....Seattle  
 LD, FA.....1724 E 56th St—Ken 1436  
 Douglas, Norval.....Tacoma  
 UD, CE.....5812 15th Av NE—Ken 3467  
 Douglass, Wesley H.....Seattle  
 Unc, ME.....214 W Howe St  
 Douthitt, Dorothy Roberts.....Seattle  
 LD, LA.....807 N 49th St—N 2904  
 Doutric, Stephen.....Spokane  
 LD, ChE.....1109 E 45th St  
 Dove, Eva M.....Bickleton  
 UD, LA.....2d Av & Columbia  
 Dover, Leon D.....Seattle  
 LD, Bus.....164 25th Av—E 1234  
 Dover, William Barney.....Seattle  
 LD, Bus.....164 25th Av—E 1234  
 Dow, Neal E.....Seattle  
 Unc, Law.....6317 18th Av NE  
 Doward, Orton P.....Kent  
 LD, Engr.....  
 Downie, Linna Adel.....Seattle  
 LD, Bus.....4535 18th Av NE—Ken 1420  
 Downing, Fred Thomas.....Portland, Or  
 UD, ME.....3920 Brooklyn Av  
 Doyle, Edna May.....Seattle  
 LD, Sci.....2119 17th Av S  
 Doyle, Florence.....Seattle  
 Unc, Sci.....608 Harvard N—Cap 1312  
 Doyle, James Cyril.....Everett  
 LD, Sci.....3944 14th Av NE—N 2339  
 Doyle, Leona Marguerite.....Seattle  
 LD, Bus.....2119 17th Av S  
 Drake, Edward F.....Tacoma  
 Unc, EE.....5206 20th Av NE  
 Drake, Helen Hazel.....Portland, Or  
 LD, Ed.....1115 E 52d St—Ken 290  
 Drake, Mildred Ethyl.....Portland, Or  
 LD, Ed.....115 E 52d St—Ken 290  
 Dranga, Albert Edward.....Seattle  
 Unc, Bus.....3814 Densmore Av—N 3829  
 Draper, George Albert.....Seattle  
 Unc, ME.....810 27th Av—E 6811  
 Dretzler, Ralph F.....Squamish  
 UD, For.....4522 18th Av NE  
 Drew, Don Russell.....Seattle  
 LD, Bus.....126 14th Av N—E 410  
 Drev, Newton.....Portland, Or  
 LD, Bus.....4616 21st Av NE—Ken 490  
 Dreyer, Florence Mable.....Seattle  
 LD, LA.....3617 23d Av W—QA 4540  
 Dreyer, Benjamin Oren.....Gridley, Kansas  
 Unc, CB.....733 19th Av—E 1531  
 Dreyer, Osdan Edwin.....Missoula, Mont  
 LD, EE.....4706 14th Av NE  
 Drinker, H Russell.....Portland, Or  
 LD, EE.....2d Av & Stewart—M 7192  
 Drischel, Frank Gordon.....Spokane  
 LD, Sci.....4514 11th Av NE  
 Driscoll, Marie Caroline.....Portland, Or  
 LD, LA.....5221 12th Av NE  
 Driskell, Joseph Mayo.....Tacoma  
 LD, ChE.....6306 15th Av NE—Ken 2428  
 Drumheller, Joseph.....Spokane  
 LD, ChE.....3718 Bagley Av—N 2362  
 Drumm, Guy Richards.....Richmond Hill, N Y  
 LD, LA.....4357 9th Av NE—N 2776  
 Dryden, Cecil Pearl.....Peck, Ida  
 UD, LA.....4110 11th Av NE  
 DuBois, Ruth.....Butte, Mont  
 LD, Bus.....4705 16th Av NE—Ken 98  
 Duck, Ada Selma.....Victoria, B C  
 LD, FA.....1123 10th Av N—Cap 495  
 Duckering, Ernest R.....Seattle  
 Sp, FA.....5731 Kirkwood Place  
 Dudley, Lila Adele.....Mullan, Ida  
 UD, Sci.....5007 19th Av NE—Ken 2861  
 Duvel, Charles Otto.....Tacoma  
 LD, EE.....4549 15th Av NE  
 Dufell, Esther F.....Tacoma  
 Unc, Sci.....4714 Univ Blvd—Ken 2253  
 Duffield, Dorothy Alice.....Portland, Or  
 Unc, LA.....8th & Union—M 1809  
 Dummett, Clem.....Seattle  
 Unc, Bus.....1133 17th Av—E 5433  
 Dummett, Ray.....Seattle  
 3d, Law.....4505 14th Av NE  
 Dunbar, Frances Lillian.....Astoria, Or  
 LD, LA.....YWCA—M 7291  
 Dunbar, Wayne Lovelady.....Pilsen, Mont  
 LD, LA.....5233 18th Av NE  
 Duncan, Walter Earl.....Seattle  
 Unc, LA.....4632 42d Av SW—W 97M  
 Dunlway, Robert Edward.....Portland, Or  
 UD, ME.....4522 18th Av NE—Ken 3681

Dunlap, Eugene F.....Lacunner  
LD, Bus.....4006 1st Av NE  
Dunlap, Sadie Lorraine.....Pe Ell  
Grad.....1407 E 45th St—Ken 1597  
Dunn, Beatrice Bernice.....Waterville  
UD, Bus.....Clark Hall, Campus—N 262  
Dunn, Cecil.....Portland, Or  
Unc, Bus.....4340 11th Av NE  
Dunn, Charles Stevens.....Seattle  
LD, For.....3305 Dose Terrace—Bea 396  
Dunn, Dorothy.....Ft. Collins, Col  
Unc, Sci.....4139 12th Av N—E 7355  
Dunn, Edward Albert.....Seattle  
LD, For.....5235 Univ Blvd—Ken 618  
Dunn, Frank Clyde.....Seattle  
LD, LA.....416 17th Av N—E 7355  
Dunn, Helen M.....Waterville  
LD, Sci.....Clark Hall, Campus—N 262  
Dunn, James Ellsworth.....Cle Elum  
LD, Sci.....5211 16th Av NE—Ken 3624  
Dunn, John Joseph.....Seattle  
LD, LA.....4616 21st Av NE—Ken 490  
Dunn, Margaret Carol.....Seattle  
LD, Ed.....2530 14th Av S  
Dunn, Ruth.....Seattle  
LD, LA.....4535 18th Av NE—Ken 1429  
Dunby, Helen Cecelia.....Walla Walla  
LD, LA.....4530 Univ Blvd—Ken 983  
Dunson, Cluf W.....St Maries, Ida  
LD, Bus.....1006 E 45th St—Ken 2171  
Dupea, Eldred.....Tacoma  
LD, EE.....4203 11th Av NE  
Dustan, Laura.....Clarkston  
LD, LA.....4530 Univ Blvd—Ken 983  
Dutcher, Henry Allen.....Portland, Or  
LD, Bus.....4554 16th Av NE—Ken 3212  
Dutcher, Helen.....Seattle  
LD, LA.....925 Terrace—E11 4344J  
Dutton, Gladys.....Seattle  
LD, Bus.....3822 Ashworth Av—N 1441  
Dwyer, Emmet V.....Creede, Col  
Unc, Bus.....1906 E 45th St  
Dwyer, Monica Margaret.....Rosalia  
LD, Sci.....Lewis Hall, Campus—N 162  
Dyer, Charles Yorke.....San de Fuca  
Unc, ME.....5213 12th Av NE  
Dyer, George Franklin.....Seattle  
UD, ME.....3540 Admiral Way—W 573J  
Dyer, Robert Lawton.....Seattle  
LD, ME.....4529 10th Av NE  
Dykeman, Robert L.....Seattle  
LD, Sci.....5301 Ravenna Av  
Dysart, Ada A.....Seattle  
LD, LA.....611 Pioneer Bldg—M 2074  
Dysart, Lloyd Butler.....Centralia  
3d, Law.....1616 E 47th St—Ken 140

Eades, Glenn Newvel.....Payton  
LD, ME.....4704 18th Av NE—Ken 541  
Eades, Herbert William.....Revelstoke, B C  
Sp, For.....4239 11th Av NE—N 1694  
Eagan, Frances Marian.....Bremerton  
LD, Ed.....4535 18th Av NE—Ken 1429  
Eagleson, Helen Elizabeth.....Seattle  
UD, Sci.....5003 16th Av NE—Ken 14  
Eagleson, Margaret Monica.....Walla Walla  
LD, LA.....4523 18th Av NE—Ken 1344  
Earles, Pearl.....Seattle  
Sp, Sci.....1133 16th Av N—E 7883  
Earnest, Robert, Roy.....Bothell  
Unc, Ed.....Bothell  
Easterbrook, Wilford George.....Ft Worden  
UD, ChE.....4505 18th Av NE—Ken 333  
Eastland, Walton Emmett.....Seattle  
LD, ME.....6406 E Green Lake Way  
Eastman, Austin V.....Seattle  
LD, EE.....1506 28th Av W—QA 296

Ebeling, Walter Wilford.....Burlington  
LD, Sci.....4532 10th Av NE—Ken 2646  
Ebright, Eloise.....Seattle  
UD, Bus.....1320 Terry Av—M 6411  
Eccles, Ruth.....Seattle  
LD, LA.....4808 Othello St—Ral 840J  
Echart, Hulda.....Seattle  
LD, LA.....1525 2d Av W—QA 1873  
Eckart, Roland William.....Seattle  
LD, Bus.....1525 2d Av W—QA 1873  
Eckelman, Caroline Cogswell.....Seattle  
Grad.....3442 47th Av NE—Ken 937  
Eckhart, Robert Balser.....Enumclaw  
LD, Bus.....1316 E 65th St—Ken 869  
Eckman, Anscel Cyrus.....Seattle  
LD, LA.....1210 N 49th St—N 747  
Eckman, Ray L.....Seattle  
LD, Bus.....1210 N 49th St—N 747  
Eckman, Rosalia Stella.....Yakima  
LD, Sci.....4530 Univ Blvd—Ken 983  
Ector, Phebe P.....Seattle  
LD, Ed.....5022 21st Av NE—Ken 485  
Edades, Victorio.....Philippines  
LD, FA.....4522 18th Av NE—Ken 3681  
Edberg, Wendell Earl.....Bellingham  
LD, Bus.....5736 Univ Blvd—Ken 3400  
Edgerton, Ernest Benjamin.....Seattle  
LD, Sci.....4070 5th Av NE  
Edgren, Claude Alfred.....Kettle Falls  
UD, Phar.....4704 18th Av NE—Ken 541  
Edmundson, Viola Maye.....Coupeville  
LD, LA.....4238 12th Av NE—N 329  
Edson, Emily Hannah.....Bellingham  
UD, Sci.....4342 Brooklyn Av  
Edson, Gale.....Lynden  
LD, Phar.....1633 Melrose Av—E11 1323  
Edson, William Obed.....Bellingham  
UD, LA.....4342 Brooklyn Av  
Edwards, Archie C.....Seattle  
LD, CE.....5009 11th Av NE—Ken 1713  
Edwards, Arthur Cline.....Santa Fe, N M  
LD, EE.....2316 Harvard Av—Cap 2428  
Edwards, Elizabeth Mae.....Seattle  
Unc, LA.....2332 Eastlake Av—Cap 2707  
Edwards, E Evangeline.....Seattle  
Unc, LA.....4742 16th Av NE—Ken 30  
Edwards, Charles Grant.....Wilbur  
LD, Phar.....YMCA—M 5208  
Edwards, George Washington.....Seattle  
LD, ME.....5009 11th Av NE—Ken 1713  
Edwards, Margaret R.....Seattle  
Unc, Sci.....4470 Whitman Av—N 3831  
Edwards, Pauline.....Seattle  
Unc, LA.....4732 20th Av NE  
Edwards, Thelma Lillian.....Seattle  
LD, LA.....5026 20th Av NE—Ken 1709  
Efaw, John W.....Seattle  
LD, Min.....117 24th Av—Bea 1411  
Egan, Douglas.....Seattle  
Unc, Bus.....7938 Wilson Av—Ral 1603M  
Eheim, Helen.....Seattle  
Unc, Phar.....525 N 83d St  
Eglwedt, C L.....Seattle  
UD, CE.....7305 25th Av NW—Bal 1466  
Ehlenbeck, Adella.....Seattle  
Unc, Sci.....1021 E 68th St—Ken 636  
Ehrenberg, Thelma Alfreda.....Spokane  
LD, Bus.....5047 18th Av NE  
Ehrlich, Louise.....Seattle  
LD, LA.....317 Summit Av N—Cap 2785  
Eichner, Isabell.....South Bend  
UD, LA.....5251 19th Av NE—Ken 897  
Eide, Esther Eleonora.....Seattle  
LD, Bus.....4016 51st Av SW  
Eiji Miyamoto.....Japan  
Sp, Sci.....661 Washington St—E11 2507  
Elkenberry, Willa Hoffman.....Seattle  
Unc, LA.....7307 View Lane—W 990W

- Blnarsen, Arthur S .....Stanwood  
 LD, Sci.....4305 15th Av NE—Ken 720  
 Eisenhower, Earl Dewey.....Tacoma  
 LD, EE.....5623 15th Av NE—Ken 1067  
 Eitel, George David.....Seattle  
 LD, Sci.....4017 W Holgate—W 214R  
 Elde, Dagny Marie.....Mt Vernon  
 LD, Ed.....5625 15th Av NE—Ken 276  
 Elder, John.....Tacoma  
 LD, LA.....Lander Hall—Campus—N 60  
 Elder, Valerie Irene.....Coeur d' Alene, Ida  
 UD, LA.....3217½ E 45th St  
 Elford, Gertrude Louise.....Seattle  
 LD, LA.....1057 Summit Av N—Cap 2400  
 Elford, Marion A.....Seattle  
 LD, LA.....1057 Summit Av N—Cap 2400  
 Elgin, D Eitta.....Okanogan  
 LD, Bus.....5218 Univ Blvd—Ken 3212  
 Elliott, Carlotta Baker.....Seattle  
 UD, Jour.....4703 18th Av NE—Ken 2826  
 Elliott, Clarence R.....Kelso  
 LD, LA.....5212 18th Av NE—Ken 887  
 Elliott, John Delphus.....Outlook  
 LD, Bus.....4540 15th Av NE—Ken 476  
 Elliott, Louise M.....Seattle  
 LD, LA.....6016 56th Av S  
 Elliot, Oliver Carlisle.....Seattle  
 LD, ME.....337 E 57th St—N 3389  
 Elliott, Stanley M.....Seattle  
 LD, Bus.....118 E 57th Av—Ken 3433  
 Ellinger, Louise E.....Seattle  
 LD, Bus.....3120 33rd Av S—Rai 763 J  
 Ellis, Charles Jay Henry.....Seattle  
 Sp, FA.....4038 12th Av NE  
 Ellis, Flora B.....Seattle  
 Unc, FA.....5039 11th Av NE—Ken 95  
 Ellis, James L.....Tacoma  
 UD, LA.....  
 Ellis Roberta.....Seattle  
 LD, FA.....132 14th Av N—E 9154  
 Ellison, Herbert William.....Aberdeen  
 LD, EE.....4307 11th Av NE  
 Ellis, Marion F.....Tacoma  
 Unc, Bus.....5229 10th Av NE—Ken 2082  
 Ellis, Marion Vaughn.....Bellingham  
 LD, FA.....1344 E 62d St—Ken 2745  
 Ellsworth, Paul Theodore.....Seattle  
 UD, LA.....4520 21st Av NE—Ken 2600  
 Elsbree, Arthur Guy.....Aeene  
 LD, ME.....5244 11th Av NE  
 Elton, Lydia.....The Dalles, Or  
 LD, Bus.....5214 Univ Blvd—Ken 844  
 Elridge, Charles Earle.....Seattle  
 LD, ME.....2828 N Broadway—Cap 3500  
 Elvidge, Anita Miller.....Seattle  
 Unc, LA.....4026 11th Av NE—N 3336  
 Elway, Sarah Eleanor.....Aberdeen  
 LD, Bus.....4317 Woodlawn Av  
 Elwell, Marion Maurine.....Seattle  
 LD, FA.....5218 42d Av SW—W 759W  
 Elwick, Andrew.....Seattle  
 UD, Bus.....5812 15th Av NE—Ken 3467  
 Elwood, C Robert.....Everett  
 Unc, Bus.....4522 11th Av NE  
 Ely, John Carl.....Seattle  
 LD, FA.....Edmonds & 49th Av SW  
 Emerson, Walter W.....Seattle  
 Sp, FA.....4832 35th Av  
 Emmons, Harold Wilcox.....Oswago  
 LD, LA.....4554 16th Av NE  
 Emmons, Margaret Harriet.....Seattle  
 LD, FA.....5224 12th Av NE—Ken 1036  
 Elmoe, Luther.....Seattle  
 UD, Bus.....4311 Brooklyn Av—Ken 3834  
 Elmore, Roma S.....Seattle  
 Grad.....4311 Brooklyn Av—Ken 3834  
 Emory, Clara.....Seattle  
 Unc, LA.....1144 Federal Av  
 Emory, De Wolfe.....Seattle  
 Unc, Law.....1144 Federal Av—Cap 2340  
 Encarnacion, Fidel.....Philippines  
 LD, CE.....1404 E 41st St  
 Encarnacion, Marclano.....Philippines  
 Sp, Phar.....1906 E 45th St  
 Engberg, Paul K.....Bellingham  
 LD, LA.....4527 12th Av NE  
 Enger, Olive May.....Tacoma  
 LD, LA.....4508 16th Av NE—Ken 2768  
 Englehorn, Ruth Sabine.....Portland, Or  
 LD, LA.....4710 Univ Blvd—Ken 1857  
 Engleken, Rudolph.....Spokane  
 LD, Bus.....4525 12th Av NE—Ken 469  
 English, Alice.....Seattle  
 LD, LA.....4710 Univ Blvd—E 6385  
 English, Clifton.....Seattle  
 SC, For.....321 Boren Av—Main 5270  
 Englund, Adoll Bert.....Enumclaw  
 LD, Bus.....4126 Brooklyn Av—N 2322  
 Englund, Cecil V.....Enumclaw  
 LD, Bus.....4126 Brooklyn Av—N 2322  
 Engstrom, Adolph Jr.....Wrangell, Alaska  
 LD, Bus.....322 Boylston Av  
 Engstrom, Isabel Eva.....Seattle  
 Unc, FA.....2024 81st Av S—Bea 3187  
 Engstrom, Fred R.....Coeur d' Alene, Ida  
 LD, Bus.....5504 Brooklyn Av  
 Ennis, Owen C.....Seattle  
 LD, Sci.....1618 33d Av  
 Ensley, Talitha Eldora.....Seattle  
 UD, Ed.....841 E 68th St—Ken 532  
 Epperson, Maurine Gladys.....Seattle  
 LD, FA.....603 33d St—E 1206  
 Erdeving, Rebecca Olive.....Edmonds  
 LD, Bus.....Edmonds  
 Erickson, Carl Wesley.....Seattle  
 LD, Bus.....5812 Woodlawn Av—Ken 817  
 Erickson, Genevieve Lalla.....Seattle  
 LD, LA.....7545 12th Av NW—Bal 1239  
 Erickson, Helen Augusta.....Seattle  
 LD, FA.....4269 Aurora Av—N 1791  
 Erickson, Melvin.....Bellingham  
 LD, FA.....4000 14th Av NE—N 9  
 Erickson, Sylvia Patricia.....Astoria, Or  
 LD, LA.....5218 18th Av NE—Ken 3212  
 Erickson, William Paul.....Seattle  
 LD, Bus.....913 E Lynn—Cap 2050  
 Ericson, Howard Carl.....Tacoma  
 LD, LA.....5016 14th Av NE  
 Erland, Gladys Marie.....Seattle  
 LD, FA.....223 West McGraw St—QA 2121  
 Ernisse, Frederick A.....Vashon  
 LD, LA.....Vashon  
 Ernst, Clarence Reinhold.....Seattle  
 UD, Bus.....301 Harrison St—QA 3345  
 Erwin, Margaret.....Spokane  
 Unc, LA.....2012 E 45th St—Ken 2045  
 Erwin, Susan Cleaves.....Seattle  
 LD, LA.....4504 18th Av NE—Ken 146  
 Esfeld, Mollie M.....Seattle  
 Unc, Bus.....  
 Espejo, Leandro.....San Nicolas, P I  
 Unc, Ed.....4115 15th Av NE  
 Espino, Mariano.....Philippines  
 LD, Sci.....618½ Weller St  
 Esselbach, Emma M.....Seattle  
 Sp, FA.....229½ 31st Av  
 Este y, Mary J.....Seattle  
 Unc, LA.....Pennington Apts—M 2628  
 Ethel, Garland.....Coville  
 LD, FA.....5217 12th Av NE—Ken 3693  
 Ethemington, Thomas J.....Elma  
 LD, Bus.....4142 12th St  
 Ettinger, Dorothy.....Seattle  
 UD, Ed.....1020 8th Av  
 Evans, Catharine Louise.....Canby, Or  
 LD, FA.....2012 E 45th St—Ken 2645

Evans, Lecll L.....Seattle	Favre, Emma Rakey.....Seattle
UD, LA.....5038 12th Av NE	LD, LA.....RFD, 8 Box 87
Evans, Marie Janet.....Castle Creek, Ida	Fedoroff, Theodore.....Seattle
LD, Sci.....4518 Univ Blvd—Ken 3216	Sp, Engr.....2120 E 1st St—E 4324
Evans, Thomas Phillips.....Snohomish	Feek, Enid Winnefred.....Everett
UD, ME.....4045 Brooklyn Av—N 2416	LD, LA.....4714 10th Av NE—Ken 2761
Eravold, Gladys Viola.....Willapa	Feek, Asabel Wilfred.....Seattle
LD, LA.....4547 Univ Blvd—Ken 1004	I.D. Bus.....713 16th Av N
Everett, C Elizabeth.....Seattle	Feek, Richard J.....Seattle
UD, FA.....602 36th Av N—E 892	Unc, Bus.....1141 20th Av N
Everett, Donna A.....Seattle	Feeney, Helen.....Seattle
LD, Bus.....4508 16th Av NE—Ken 2708	LD, Ed.....1924 12th Av S—Box 984
Everett, Elva Regina.....Colby	Felch, David Lewis.....Ellensburg
Unc, FA.....4551 Univ Blvd—Ken 501	LD, EE.....Lander Hall, Campus—N 60
Everett, Walter Herbert.....Seattle	Fellpe, Nemesio.....Seattle
UD, LA.....727 Belmont Pl—Cap 842	LD, LA.....1404 E 41st St
Everhart, Edward Leslie.....Portland, Or	Fellitz, Vernita C.....Seattle
Unc, EE.....4747 14th Av NE—Ken 3376	Unc, Ed.....617 Mercer St—QA 832
Everts, Carolyn L.....Seattle	Fengler, Leona Nathalia.....Seattle
UD, LA.....720 West Blaine St—QA 1726	LD, Bus.....506 W Crockett St—QA 4006
Erers, Eva Belle.....Seattle	Fenwick, Frances.....
Unc, FA.....4705 14th Av NE—Ken 2968	LD, Bus.....
Ewell McMac.....Seattle	Ferguson, Francis Patricia.....Renton
LD, Engr.....4553 7th Av NE—N 2433	UD, LA.....4340 11th Av NE—Ken 813
Ewing, Henry Clarke Jr.....Seattle	Ferguson, Russell Edward.....Portland, Or
LD, CE.....521 Belmont Av N	I.D. Fer.....4530 14th Av NE—Ken 535
Eewling, Lucile Elliott.....Portland, Or	Ferguson, William H.....Seattle
LD, LA.....Lewis Hall, Campus—N 162	LD, LA.....3017 12th Av S
Fagan, Frances.....Seattle	Ferris, Tala Amanda.....Walla Walla
Sp Sci.....5250 18th Av NE	Grad.....3307 W 3d Av—QA 3498
Fagstad, Carl J.....Everett	Ferryman, Henri.....Wenatchee
LD, EE.....4239 11th Av NE—N 1694	LD, CE.....4506 Univ Blvd—Ken 291
Fairbanks, Adelaide Louise.....Seattle	Foy, Amos C.....
LD, LA.....4710 Univ Blvd—Ken 1857	LD, Sci.....
Fairfield, John W.....Great Falls, Mont	Fiedler, Reginald Hobson.....Seattle
LD, Bus.....5217 21st Av NE	LD, Fish.....4506 Univ Blvd—Ken 291
Fairservice, H Clement.....Clallam Bay	Fields, Earl.....Woodland
LD, Bus.....4735 21st Av NE—Ken 946	Unc, Bus.....4321 Eastern Av
Fajardo, Manuel S.....Philippines	Fillion, Fred.....Pt Angeles
LD, CE.....710 King St	LD, LA.....235 Bellevue N—Cap 1887
Falconer, John Roderic.....Monroe	Filiz, Franklin Jay.....Seattle
LD, EE.....4714 Brooklyn Av—Ken 862	LD, Phar.....5212 18th Av NE—Ken 887
Falconer, Thomas Faber.....Monroe	Filiz, Mildred E.....Seattle
Unc, Bus.....4714 Brooklyn Av—Ken 862	UD, Ed.....2913 Washington St—Bea 570
Falk, Winona Moore.....Seattle	Fink, Erna M.....Chicago, Ill
LD, LA.....702 Univ Blvd—E 1908	Grad.....5218 Univ Blvd—Ken 5212
Falknor, Judson Fahnestock.....Seattle	Finn, Elmer.....Prosser
3d Law.....908 Shelby St	LD, EE.....4142 12th Av NE
Fall, James D.....Portland, Or	Finney, Ottmer Theodore.....Issaquah
LD, ChE.....4018 Brooklyn Av—N 1264	LD, CE.....5023 16th Av NE
Fargo, Marion Charlotte.....Pocatello, Ida	Finnicum, Ruth.....Spokane
UD, LA.....4524 Univ Blvd—Ken 2496	UD, LA.....5214 Univ Blvd—Ken 844
Farley, Helen Maria.....Seattle	Flinrow, Vernon H.....Reardan
LD, Sci.....5104 46th Av S—Rai 786	Unc, Bus.....3d & Cherry
Farnsworth, Rual.....Lindsay, Cal	Fischer, Alden Jackson.....Seattle
UD, LA.....Lewis Hall, Campus—N 162	LD, Bus.....940 Harvard Av N—Cap 243
Farquhar, Elizabeth Helen.....Spokane	Fish, Herbert Clay.....Seattle
LD, Phar.....4215 12th Av NE	Grad.....1704 E 75th St
Farquharson, F Burt.....Seattle	Fish, Walter Harold.....Seattle
LD, ME.....5236 21st Av NE—Ken 1347	UD, For.....Campus Barracks
Farrar, Robert William.....Seattle	Fisher, Edward Barrington.....San de Fuca
Unc, LA.....6725 24th Av NW—Bal 1070	Sp, Bus.....6213 12th Av
Farrell, Charles Vincent.....Edycomb	Fisher, Edward Cornelius.....Esquimalt, B C
UD, Phar.....4532 19th Av NE—Ken 2646	Sp, CE.....6204 20th Av NE—Ken 3755
Farrell, Thomas Eugene.....Ellensburg	Fisher, Phillip Frank Jr.....Pt Angeles
Unc, Bus.....4540 15th Av NE	LD, Phar.....4735 21st Av NE—Ken 946
Faubert, Alice M.....Shelton	Fisher, Hazel Maude.....Spokane
UD, Sci.....4543 Univ Blvd—Ken 659	UD, LA.....5208 Univ Blvd
Faulk, Theodore Ephraim.....Strumburg, Neb	Fisher, Lois V.....DuPont
Unc, Law.....4503 Univ Blvd—Ken 236	UD, Ed.....4518 Univ Bldg
Faulkner, Donald Ross.....Olympia	Fisher, William Gordon.....Edwall
LD, Sci.....908 Shelby St	I.D, ME.....4704 18th Av NE—Ken 119
Faulkner, Reita.....Bickleton	Fisher, Jay Grace.....Wallace, Ida
LD, FA.....5522 10th Av NE	LD, FA.....4543 Univ Blvd—Ken 659
Faulstick, Walter Leo.....Snohomish	Fisher, Julia E.....Seattle
LD, ChE.....471 9th Av NE	UD, LA.....1203 E Lynn St
	Fisher, Walter C.....Spokane
	LD, Bus.....4503 Univ Blvd—Ken 236

- Flisken, Marjorie Kerr.....Seattle  
 LD, LA.....4535 18th Av—Ken 1420  
 Flisken, Mary Lea.....Seattle  
 Unc, LA.....1120 Union St—M 3577  
 Fliskens, Daisy.....Seattle  
 Sp,.....1120 Union St  
 Fitch, John Manning.....Tacoma  
 LD, CE.....Lander Hall, Campus—N 60  
 Fitch, Robert.....Seattle  
 LD, Sci.....RFD, 5—Sid 1002  
 Fitts, Wilma Helen.....Seattle  
 LD, Bus.....RFD 7—Box 355  
 Fitzgerald, Donald Raymond.....Spokane  
 LD, Bus.....4764 18th Av NE—Ken 541  
 Fitzgerald, Hattie May.....Seattle  
 LD, Sci.....315 E 60th St—Ken 428  
 Fitzpatrick, George William.....Seattle  
 Unc, EE.....3245 Ferdinand St—Ral 984J  
 Fix, Carl Blissett.....Lewiston, Ida  
 LD, Bus.....2120 E 47th St—Ken 1176  
 Fix, Lynwood Watson.....Lewiston, Ida  
 LD, LA.....2120 E 47th St—Ken 1176  
 Flack, Lena.....Seattle  
 LD, Ed.....651 Banner Pl—Ken 1538  
 Flagg, Donald Horatio.....Olympia  
 LD, ME.....4142 12th Av NE—N 560  
 Flanagan, James Harold.....Everett  
 Unc, EE.....4230 11th Av NE  
 Flaulay, Mabel Gertrude.....Seattle  
 LD, Sci.....2028 Federal Av  
 Flannery, Myron Sylvester.....Seattle  
 LD, LA.....1819 E Jefferson St  
 Flenner, J B.....Seattle  
 Sp, Ed.....1314 E 43d St  
 Fleming, Edward Paul.....Toppishish  
 LD, Phr.....4743 Brooklyn Av—E 904  
 Flemming, John D.....Butte, Mont  
 LD, Phr.....1229 18th Av N—E 6300  
 Fleming, Vivian Loren.....Seattle  
 Unc, FA.....3704 E Denny Way—E 7308  
 Flemming, William A.....Monroe  
 LD, LA.....5037 22nd NE  
 Fletcher, Rose Juliette.....Tacoma  
 Unc, LA.....5244 Univ Blvd—Ken 1051  
 Fletcher, William Patrick.....Yakima  
 Sp, Bus.....5042 18th Av NE  
 Flood, George Edward.....Seattle  
 UD, Bus.....4332 Burke Av  
 Flood, Evelyn Maude.....Seattle  
 Sp, LA.....4332 Burke Av  
 Flores, Jose.....Philippines Is  
 Unc, ChE.....4115 15th Av NE  
 Flower, Camillus Frederick.....Mabton  
 Unc, Bus.....4519 1st Av NE  
 Flowers, Ermine Walter.....Spokane  
 LD, Sci.....Gen Del  
 Floyd, Lona Mildred.....Chehalis  
 UD, Sci.....5614 14th Av NE—Ken 917  
 Floyd, Ruth.....Seattle  
 LD, Sci.....4524 Univ Blvd—Ken 2490  
 Fluett, Russell Harrison.....Butte, Mont  
 Unc, Law.....5111 Ravenna Blvd  
 Fluernerfelt, Lillian.....Seattle  
 Unc, Ed.....4009 11th Av NE—N 1183  
 Flynn, Robert Raymond.....Diskinson, N D  
 LD, Bus.....4017 Meridian Av—N 2730  
 Fogelquist, Charles F.....Selah  
 UD, For.....5015 Univ Blvd—Ken 3169  
 Foley, Kathryn.....Victor, Mont  
 UD, Jour.....Lewis Hall, Campus—N 162  
 Foley, Venora.....Everett  
 UD, Ed.....4508 16th Av NE—Ken 2768  
 Folsom, Frances L.....Seattle  
 Grad.....7427 Olympic Court—Ken 3571  
 Folsom, Robert.....Prosser  
 Sp, CE.....4618 10th Av NE  
 Foltz, Lila Rebecca.....Parkland  
 LD, LA.....Lewis Hall, Campus—N 162  
 Foote, Leone LaVerne.....Seattle  
 LD, Bus.....  
 Foote, Luanda.....Portland, Or  
 LD, Ed.....4538 15th Av NE—Ken 1482  
 Foran, Lester Leo.....Seattle  
 Sp, Bus.....1616 E 47th St—Ken 149  
 Forran, William Thomas.....Seattle  
 LD, Sci.....1616 E 47th St—Ken 149  
 Forbes, Velma Ruth.....Seattle  
 UD, Sci.....4700 19th Av NE  
 Ford, Clara L.....Brooklyn, Mich  
 UD, LA.....4225 10th Av NE  
 Ford, William Field.....Seattle  
 LD, CE.....4317 Brooklyn Av  
 Forreman, Iona Susan.....Houghton  
 Unc, Ed.....  
 Forrest, Ronald C.....Seattle  
 UD, Bus.....1906 E 45th St  
 Forrester, Louise.....Redmond  
 UD, Ed.....4751 19th Av NE—Ken 655  
 Forsberg, Lillian Sophia.....Rockford, Ill  
 Unc, Ed.....1821 13th Av—E 1478  
 Forshaw, Jessie.....Vancouver, BC  
 Sp Sci.....5250 18th Av NE—Ken 1673  
 Fosdick, Helen Whitman.....Goldendale  
 LD, LA.....4548 Univ Blvd—Ken 26  
 Foss, Adeline Marguerite.....Tacoma  
 LD, LA.....4339 Latona Av  
 Foss, Mary Loretta.....Walla Walla  
 LD, FA.....4744 9th Av NE—Ken 3747  
 Foster, Earl F.....  
 Sp, EE.....  
 Foster, Fred Stearns.....Hoquiam  
 LD, Min.....4732 20th Av NE—Ken 2003  
 Foster, Gilbert Branscombe.....Spokane  
 LD, LA.....4550 18th Av NE—Ken 3072  
 Foster, Harry Elsworth.....Columbus, Ohio  
 1st, Law.....325 19th Av—E 3844  
 Foster, Homer.....Seattle  
 Grad.....4230 Brooklyn Av  
 Foster, Linn Bath.....Seattle  
 LD, For.....4530 14th Av NE—Ken 555  
 Foster, Waco Texas.....Seattle  
 Unc, LA.....325 19th Av  
 Fouts, John Marvin.....Seattle  
 LD, LA.....2011 13th Av S—Bea 1843  
 Fouts, Marie.....Seattle  
 LD, Ed.....2011 13th Av S—Bea 1843  
 Fowler, Joseph Bret.....Seattle  
 LD, LA.....4704 18th Av NE—Ken 541  
 Fowler, Edna Elizabeth.....Seattle  
 LD, FA.....1910 45th Av SW—W 506J  
 Fowler, Frances.....Seattle  
 LD, LA.....1416 E 41st St—N 2094  
 Fowler, Frederick C Jr.....Seattle  
 LD, LA.....8310 32d Av NW  
 Fox, Edna Mazie.....Seattle  
 LD, LA.....120 Lynn St—QA 1359  
 Fox, Fay Erwin.....Seattle  
 LD, Phr.....4411 W Genessee St—W 959W  
 Fox, Jack Marion.....Seattle  
 Unc, Bus.....220 37th Av N—E 369  
 Fradenburgh, Grace Ardene.....Everett  
 LD, Bus.....Clark Hall, Campus—N 262  
 Frame, Howard Andres.....Talent, Or  
 LD, Bus.....2120 E 47th St—Ken 1176  
 France, Alda May.....Montesano  
 UD, Ed.....4547 19th Av NE—Ken 23  
 France, Rowland George.....Montesano  
 Unc, Bus.....4143 Brooklyn Av—N 1247  
 Frances, Gertrude E.....Wenatchee  
 LD, Bus.....3504 Frink Blvd  
 Francis, Anne Effie.....Okanogan  
 LD, Sci.....277 Lake Dell Av—E 2648  
 Francis, Byron F.....Seattle  
 LD, Sci.....6513 Jones Av NW—Bal 390  
 Francis, Glenn Samuel.....Portland, Or  
 LD, Bus.....4520 14th Av NE—Ken 555

Francis, Harry B.....Tacoma  
 Unc, Sci.....5203 Brooklyn Av  
 Frank, Thomas George.....Spokane  
 LD, Bus.....4508 Univ Blvd—Ken 236  
 Frankland, Charles F.....Seattle  
 LD, Bus.....4530 14th Av NE—Ken 555  
 Franklin, Alice Virginia.....Seattle  
 UD, LA.....2813 N Broadway—Cap 3630  
 Franklin, Shadrach Rector.....Seattle  
 LD, Bus.....2813 N Broadway—Cap 3630  
 Fransén, Walter C.....Seattle  
 UD, CE.....1737 Boylston Av—E 3559  
 Fraser, Edmund Shepard.....Ontario, Or  
 LD, Bus.....4504 16th Av NE—Ken 647  
 Frayn, Richard.....Seattle  
 LD, Bus.....2355 Franklin Av—Cap 2958  
 Frazier, George Gordon.....Seattle  
 LD, ME.....1740 W 90th—Ral 653  
 Frazier, Irma C.....Tacoma  
 Unc, LA.....4502 20th Av NE—Ken 685  
 Frazier, Lewis Raymond.....Pocatello, Ida  
 UD, Bus.....5212 18th Av NE—Ken 887  
 Fredlund, Reynold.....Seattle  
 LD, EE.....1622 Summit Av—E 9245  
 Fredericks, Dewey.....Maxcee City  
 LD, Bus.....1736 Bellevue Av  
 Fredrickson, Albert P.....Seattle  
 LD, Bus.....1753 Sanders Pl—Bea 1274  
 Fredson, Elizabeth.....Seattle  
 LD, Bus.....4309 10th Av NE—N 1234  
 Free, Alonzo Knighton.....Tacoma  
 Unc, ME.....4522 18th Av NE—Ken 3861  
 Freedlund, Harry A.....Tacoma  
 LD, Bus.....4550 18th Av NE—Ken 3072  
 Freeman, Vivian Claire.....Seattle  
 LD, LA.....2810 W Park Dr—E 3650  
 Freeman, W Wood.....Tacoma  
 UD, ChE.....Chem Library—N 2950—Lo 30  
 Freidenrich, Harold I.....Spokane  
 LD, Bus.....4537 12th Av NE—Ken 1109  
 Frein, Alice Virginia.....Seattle  
 LD, LA.....4317 15th Av NE—Ken 2088  
 Frem, Agnes.....Seattle  
 LD, LA.....5517 Univ Blvd  
 Frem, Horace Henderson.....Seattle  
 LD, Bus.....5517 Univ Blvd  
 French, Beryl.....Prosser  
 LD, LA.....1820 Jackson St—Bea 2188  
 French, Graham Malcolm.....Seattle  
 LD, FA.....2317 ½ N 45th St—N 171  
 French, Jasper Jr.....Spokane  
 Unc, For.....5203 Brooklyn Av  
 French, Mabelle Caroline.....Seattle  
 LD, Bus.....3118 Fairview Av—Cap 2230  
 French, Phil Eugene.....Seattle  
 UD, FA.....4532 10th Av NE—Ken 2640  
 Frew, Victor Donald.....Seattle  
 LD, ChE.....1814 E Cherry St—E 4394  
 Freyd, Bertha Irene.....Seattle  
 UD, FA.....1810 34th Av—E 925  
 Freyd, Greta.....Seattle  
 LD, LA.....1732 Market St—Bal 1027  
 Freyd, Max.....Seattle  
 Grad.....1810 34th Av—E 925  
 Friberg, Louis William.....Portland, Or  
 LD, CE.....4522 18th Av NE—Ken 3681  
 Fried, Nettie.....Seattle  
 Unc, FA.....4342 Brooklyn Av  
 Friedman, Aaron.....Tacoma  
 Unc, Sci.....5203 Brooklyn Av  
 Friedman, Samuel.....Seattle  
 LD, Bus.....116 21st Av—Bea 4020  
 Friday, Edward.....Seattle  
 LD,.....cor 10th Av NE and 100th St  
 Friese, Frank Henry.....Snohomish  
 LD, Bus.....1006 E 45th St—Ken 2171  
 Fritch, Eleanor Martha.....Seattle  
 LD, LA.....1101 E Boston St—Cap 3430

Fry, Don W.....Anacortes  
 LD, Bus.....4508 Univ Blvd—Ken 291  
 Fry, Gladys Zetha.....Wenatchee  
 LD, LA.....1520 16th Av—E 6946  
 Fray, Dorothy Irene.....Seattle  
 Unc, FA.....317 Summit Av N—Cap 2785  
 Frye, Consuello Gaynor.....Seattle  
 Unc, Bus.....4919 29th Av S—Ral 503J  
 Frye, Elsie Marie.....Seattle  
 UD, Sci.....4711 12th Av NE  
 Fryer, Beatrice Elizabeth.....Seattle  
 UD, LA.....4703 18th Av NE—Ken 2826  
 Fryer, Carl Elwood Pryer.....Seattle  
 Sp, CE.....1747 Minor Av—E 2853  
 Fryette, Vara.....Bremerton  
 LD, Ed.....1732 40th Av—E 1976  
 Fuhr, Melville.....Everett  
 LD, LA.....4514 20th Av NE  
 Fuller, Carl Newton.....Seattle  
 Unc, CE.....8811 11th Av NE  
 Fuller, Myrtle Margaret.....Lewiston, Ida  
 UD, LA.....4530 Univ Blvd—Ken 983  
 Fuller, Verna Kathryn.....Spokane  
 LD, Ed.....109 E 62d St—Ken 3449  
 Fuller, Warner Barry.....Portland, Or  
 Unc, LA.....Hotel Wash, 2d & Stewart  
 Fulmer, Dorothy.....Port Angeles  
 Unc, Sci.....2360 N 58th St—Ken 1017  
 Fulton, Anasa Eugene.....Ellensburg  
 Unc, FA.....4419 5th Av NE—N 778  
 Fulton, Grace.....Asotin  
 LD, LA.....4143 11th Av NE—N 410  
 Fulton, Helen Louise.....Corvallis, Or  
 UD, Sci.....4547 19th Av NE  
 Fulton, Lois Mildred.....Asotin  
 LD, LA.....4143 11th Av NE—N 410  
 Fulton, James Roy.....Bremerton  
 LD, Sci.....4616 21st Av NE—Ken 400  
 Funkush, Frank Kinchi.....Portland, Or  
 LD, EE.....673 Main St  
 Funkhouser, Myrtle.....Ridgefield  
 LD, LA.....Clark Hall, Campus—N 262  
 Furber, George C.....Seattle  
 1st, Law.....1005 E 47th St—Ken 84  
 Fursman, Oliver Chester.....Seattle  
 LD, ChE.....4506 Univ Blvd—Ken 291

Gaethke, George Michael.....Butte, Mont  
 Unc, Sci.....5032 21st Av NE—Ken 3630  
 Gahringer, John E.....Tacoma  
 Unc, Sci.....Washington Apts  
 Gail, Floyd W.....Moscow, Ida  
 Grad.....6310 16th Av NE  
 Galbraith, Harriet.....Burnaby, B C  
 Sp Sci.....4735 4th Av NE—N 2946  
 Galbraith, Mary Grace.....Burnaby, B C  
 LD, Sci.....4735 4th Av NE—N 2946  
 Galeno, Eugen F.....Seattle  
 LD, ChE.....703 6th Av N—QA 2870  
 Gallagher, James Oliver.....Seattle  
 LD, Bus.....4738 Univ Blvd—Ken 787  
 Galligan, Glendon E.....Everett  
 LD, Sci.....4506 Univ Blvd—Ken 291  
 Gamble, Leah N.....Echo, Or  
 Sp Sci.....5253 18th Av NE—Ken 3961  
 Gamble, Thomas J.....Tacoma  
 Grad.....4231 15th Av NE  
 Ganun, Irvin William Otto, Watertown, Wis  
 UD, For.....4537 11th Av NE—Ken 3000  
 Gamwell, Gardner McClellan.....Hoquiam  
 LD, For.....5032 21st Av NE  
 Gander, A MacLean T.....Bellingham  
 LD, Bus.....5235 Univ Blvd—Ken 618  
 Ganders, James Joseph.....Seattle  
 Unc, Sci.....5538 8th Av NE  
 Gardiner, Inez O.....Baker, Or  
 UD, Bus.....4718 Univ Blvd—Ken 1882



- Gardner, Jack.....Fort Madison, Iowa  
LD, LA.....462 N 44th St—N 300
- Gardner, Jessie.....Goldendale  
UD, LA.....5218 Univ Blvd
- Gardner, Miriam N.....Seattle  
UD, FA.....5222 Univ Blvd—Ken 1582
- Gardner, Osborne.....Nisqually  
Unc, LA.....Campus Barracks
- Gardner, Raymond.....Goldendale  
UD, Bus.....4734 Univ Blvd—Ken 608
- Garin, Rene Gustave.....Brooklyn, Mass  
Sp, For.....4114 Interlake Av
- Garratt, Eugenia Enid.....Seattle  
UD, Sci.....5513 Brooklyn Av—Ken 1804
- Garred, Max F.....Coulee City  
LD, LA.....5503 16th Av NE
- Garred, Ward Kenneth.....Coulee City  
Unc, Bus.....5503 16th Av NE—Ken 1558
- Garrett, Clarence Byrnmood Jr.....Seattle  
UD, For.....5235 Univ Blvd—Ken 618
- Garret, Grace Davis.....Seattle  
LD, LA.....605 E Denny Way—E 5927
- Garrison, Clarence W.....Seattle  
UD, ChE.....2637 Franklin Av—Cap 3967
- Garrison, Rupert.....Seattle  
LD, Min.....2637 Franklin Av—Cap 3907
- Garven, Pauline.....Seattle  
LD, Sci.....1427 W 64th St
- Garver, Otho E.....Seattle  
LD, EE.....2033 10th Av N—Cap 1200
- Gasman, Ethel.....Spokane  
Unc, Sci.....5236 Univ Blvd—Ken 3308
- Gasser, William.....Seattle  
Sp, Bus.....5219 32d Av S—Ral 522
- Gaston, Dorothy Ruth.....Seattle  
LD, LA.....4423 Corliss Av
- Gaston, Agnes F. (Mrs.).....Seattle  
Sp, FA.....4213 1/2 14th Av NE—N 172
- Gates, Berl Edwin.....Camas  
Unc, Bus.....2003 E 47th St—Ken 185
- Gates, Richard Allen.....Tacoma  
Unc, Phar.....4055 9th Av NE
- Gatewood, Eleanor A.....Seattle  
UD, CE.....2210 10th Av N Cap 3236
- Gauger, Herbert August.....Edwall  
LD, Bus.....4816 Corliss Av—Ken 460
- Gauger, Sadie Minnie.....Edwall  
LD, Sci.....5819 Univ Blvd
- Geer, Bernice.....Seattle  
LD, LA.....1121 Grand Av—E 4050
- Gellatly, Bernice Isabel.....Wenatchee  
LD, FA.....4504 18th Av NE—Ken 146
- Gellermann, Louis Wanger.....Seattle  
LD, LA.....4517 Brooklyn Av
- Gellerman, Wm.....Seattle  
LD, LA
- Geoghagan, J Herbert.....Seattle  
LD, LA.....3714 Dakota St—Ral 538V
- George, Roy Edmund.....Wallace, Ida  
LD, LA.....4115 Brooklyn Av
- Gerboth, Ruth Anna.....Jerome, Ida  
LD, LA.....5525 16th Av NE
- Gernaey, Louise.....Seattle  
LD, LA.....4527 8th Av NE—N 2804
- Gerriets, Eva Alice.....Mt Vernon  
LD, LA.....Lewis Hall, Campus—N 162
- Gerry, Mary Alice.....Vashon  
LD, Bus.....1500 E 62d St—Ken 1260
- Gerry, Lillian Gertrude.....Vashon  
UD, FA.....1500 E 62d St—Ken 1260
- Getchell, Eleanor A.....Seattle  
Unc, LA.....976 20th Av E 2049
- Getchell, Frances S.....Seattle  
Unc, LA.....976 20th Av E 2049
- Gibney, Eugene L.....Seattle  
UD, EE.....324 E 50th St
- Gibson, Blaine C.....Nyssa, Or  
UD, Bus.....4704 18th Av NE—Ken 541
- Gibson, Cora Eleanor.....Seattle  
LD, LA.....814 29th Av—E 3811
- Gibson, Fred Everett.....Bellingham  
UD, LA.....4704 18th Av NE
- Gibson, Merrill Garrison.....Spokane  
LD, Bus.....4506 12th Av NE—Ken 201
- Giddens, Glenn.....Seattle  
Bus.....137 E 57th St Ken 3516
- Giersch, Anna Annetta.....Seattle  
LD, Ed.....6007 28th Av NE
- Giesy, Hulda May.....Menlo  
LD, LA.....4547 Univ Blvd—Ken 1004
- Gilbert, Elon James.....Yakima  
UD, LA.....4616 21st Av NE—Ken 490
- Gilbert, Fred H.....Sierra Madre, Cal  
LD, Bus.....4503 Univ Blvd—Ken 236
- Gilbert, Geraldine.....Seattle  
UD, Phar.....606 W Howe St—QA 3421
- Gilbert, Horace.....Yakima  
LD, LA.....4616 21st Av NE—Ken 490
- Gilbert, Margaret Guida.....Yakima  
LD, LA.....4710 Univ Blvd—Ken 1857
- Gilbert, Mary Margery.....Astoria, Or  
LD, LA.....4504 18th Av NE—Ken 146
- Gilbert, Warren John.....El Reno, Okla  
2d, Law.....4528 20th Av NE—Ken 1801
- Giehrst, Lois Nell.....Everett  
LD, Ed.....4508 16th Av NE
- Giehrst, Marian Virginia.....Wenatchee  
UD, Bus.....4547 19th Av NE—Ken 23
- Giles, Virginia.....Portland, Or  
LD, LA.....4547 19th Av NE—Ken 23
- Gillespie, Lorin A.....Brewster  
Unc, Bus.....4231 15th Av NE
- Gilkey, Ruth Overton.....Seattle  
LD, LA.....4736 10th Av NE—Ken 2060
- Gill, Marshall Walter.....Seattle  
LD, FA.....5241 21st Av NE—Ken 1376
- Gill, Stanley Harold.....Seattle  
UD, ChE.....5241 21st Av NE—Ken 1376
- Gillett, Frank Richard.....Seattle  
Unc, LA.....4548 9th Av NE
- Gilley, Beth May.....Stony Creek, Conn  
UD, Bus.....Clark Hall, Campus—N 262
- Gillies, James Seeper.....Aberdeen  
Sp, Phar.....1938 47th Av SW
- Gilliland, Claudius B.....Kalspell, Mont  
Unc, Bus.....4714 Univ Blvd—Ken 2253
- Gilliland, William L.....Seattle  
UD, Sci.....4746 15th Av NE
- Gillis, Constance Mary.....Spokane  
LD, LA.....4551 Univ Blvd
- Gilluly, James.....Seattle  
UD, Sci.....5212 18th Av NE—Ken 887
- Gilman, Helen.....Seattle  
Grad.....4738 16th Av NE Ken 3323
- Gilmore, Reba June.....Seattle  
LD, FA.....1168 21st Av N—E 2466
- Gilmore, Robert Henry.....Portland, Or  
LD, LA.....5511 12th Av NE—Ken 1469
- Gilmore, William Earl.....Spokane  
Unc, Bus.....4308 9th Av NE
- Gilroy, Helen Elizabeth.....Seattle  
LD, Bus.....421 Boylston N—Cap 2488
- Girard, Orin Robert.....Seattle  
LD, Sci.....3427 39th Av SW
- Gisselberg, Victor E.....Mist, Or  
LD, Min.....6558 18th Av NE
- Gist, Arthur Stanley.....Seattle  
Grad.....5033 16th Av NE—Ken 1669
- Gittelsohn, Jacob.....Savannah, Ga  
LD, Bus.....514 19th Av—E 5780
- Gitzen, Walter H.....Seattle  
LD, ChE.....1946 9th Av W—QA 4285
- Glus, Herman.....Douglas, Alaska  
Unc, Bus.....208 25th Av S
- Given, Pauline R.....Seattle  
Unc, LA.....4702 Linden Av

# REGISTER OF STUDENTS

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Givens, Arden .....Chehalls  
LD, LA.....1527 1/2 31st St  
Glaeser, Oscar Arthur.....Nanette  
LD, Min.....4840 42d Av SW  
Glavin, Merle.....Twin Falls, Ida  
LD, LA.....1420 N 40th St—N 6  
Gleed, Thomas Frederick..Bonners Ferry, Ida  
LD, Sci.....4505 18th Av NE—Ken 333  
Gleeson, Frank Patrick.....Butte, Mont  
LD, Bus.....4747 14th Av NE  
Glen, Harold Veazie.....Seattle  
UD, Fish.....4731 15th Av NE—Ken 2800  
Glincke, Florian Louis.....Helen, Mont  
Unc, EE.....4508 16th Av NE  
Goble, Lucy E.....Sunnyside  
UD, Bus.....Box 105 Univ Sta  
Godefray, William Henri.....Spokane  
Unc, Bus.....4732 20th Av NE—Ken 2003  
Goetz, Vernon.....Goetzville, Mich  
LD, EE.....8224 16th Av NE  
Goff, Lola.....Riverton  
LD, FA  
Goff, Neville B.....Seattle  
Unc, Bus.....521 16th Av N  
Goldberg, Ralph J.....Everett  
LD, Phar.....512 E 45th St  
Goldman, Erwin F.....Seattle  
LD, EE.....4303 12th Av NE  
Goldman, Jack.....Seattle  
Unc, Bus.....4303 12th Av NE  
Gologoy, Vincente.....Philippines  
LD, MB.....117 18th Av N  
Good, Josephine.....Summer  
UD, LA.....4508 16th Av NE—Ken 2763  
Good, Myrtle.....Mt Vernon—N 1123  
LD, Bus.....4548 14th Av NE—Ken 3540  
Good, Stewart.....Tacoma  
LD, Bus  
Goodfellow, Malcolm.....Seattle  
LD, Bus.....603 Valley St—QA 1107  
Goodge, Lyman Benjamin...Evansville, Ind  
Unc, Bus.....1511 Univ Blvd—E 3040  
Goodheart, M Katharine.....Bellingham  
UD, Bus.....4504 18th Av NE—Ken 146  
Goodman, Frank.....Seattle  
LD, Sci.....308 25th Av—E 4313  
Goodner, Ernest F.....Seattle  
UD, ChE.....1612 E 65th St—Ken 875  
Goodrick, Ralph Edward.....Bellingham  
LD, ChE.....917 N 50th St—N 2294  
Goodson, Estelle Rae.....Seattle  
LD, LA.....1641 23d Av—E 1647  
Goodwin, Charles Amos.....Tacoma  
LD, Bus.....1407 E 45th St—Ken 1895  
Goodwin, Olive Irene.....Pt Angeles  
LD, Ed.....4043 12th Av NE—N 1854  
Goodwin, Harriet Gwendoline.....Seattle  
Grad.....4788 15th Av NE—Ken 2535  
Goold, Clarissa Loveland.....Tacoma  
LD, LA.....329 E 77th St  
Gorhovitzky, Maurice.....Seattle  
LD, Sci.....2100 E 45th St  
Gordon, David Lowry.....Seattle  
LD, ChE.....8624 Aurora Av—N 889  
Gordon, Johanna Marie.....Seattle  
LD, Bus.....Lewis Hall, Campus—N 162  
Gorrill, Athol B.....Spokane  
1st Law.....4524 19th Av NE  
Gorospe, Eulogio Aguino.....Philippines  
LD, FA.....4325 5th Av NE  
Gose, Thomas Phelps.....Walla Walla  
LD, LA.....5235 Univ Blvd—Ken 618  
Gose, Vera.....Walla Walla  
LD, LA.....4530 Univ Blvd  
Gott, Harold Jasper.....Seattle  
LD, Bus.....4532 10th Av NE—Ken 791  
Gould, Beatrice Avita.....Seattle  
LD, FA.....Normandie Apts, 9th & Univ—  
.....M 7600

Gould, Joel Francis.....Seattle  
LD, Bus.....1522 18th Av—E 4402  
Gowran, Dawn Vivian.....Seattle  
UD, LA.....8044 1st Av NE—Ken 809  
Graefe, Herbert William.....Seattle  
LD, Bus.....6841 Univ Blvd—Ken 788  
Graft, Edward A.....Seattle  
LD, ME.....403 Roy St—2A 3047  
Grafton, Arthur E.....Tacoma  
LD, ChE.....Seattle  
Graham, Doris Marguerite.....Seattle  
Unc, FA.....4718 Univ Blvd—Ken 1882  
Graham, Edmond Elmer.....Bonnevill, Ida  
Sp, Bus.....5043 18th Av NE—K 880  
Graham, Erma Philena.....Portland, Or  
LD, FA.....1803 3d Av N—QA 4508  
Graham, Gladys Carpenter.....Seattle  
Unc, Sci.....1007 E Marion St—E 6907  
Graham, Glennis.....Cheyenne, Wyo  
LD, Sci.....5014 10th Av NE—Ken 3346  
Graham, Marie Edna.....Yakima  
LD, LA.....4547 Univ Blvd—Ken 1004  
Graham, George Philip.....Ft Collins, Col  
LD, LA.....4738 7th Av NE—Ken 2247  
Graham, Rozelma Olney.....Seattle  
LD, LA.....2014 Terry Av—M 5028  
Graham, Wayne Edward.....Bellingham  
Unc, ME.....4323 Burke Av—N 790  
Graham, Wyona Margaret.....Bellingham  
Unc, FA.....4518 Univ Blvd—Ken 3216  
Grannis, Grace Lillian.....Waterville  
Unc, LA.....4211 12th Av NE—N 1213  
Granstrand, Elmer Waltemer...Walla Walla  
UD, FA.....4203 11th Av NE—N 2304  
Grant, Genevieve Clare.....Seattle  
Unc, FA.....6210 30th Av NE  
Grant, Donald Francis.....Seattle  
LD, CE.....1530 15th Av—E 2828  
Grant, Gary Gale.....Seattle  
LD, ChE.....4317 10th Av NE—N 1698  
Grant, James C.....Seattle  
LD, LA.....5038 Univ Blvd—Ken 490  
Grant, Margaret Ann.....Wrangell, Alaska  
LD, Bus.....4551 Univ Blvd—Ken 501  
Grant, Margaret Deans.....Seattle  
LD, LA.....1530 15th Av—E 2828  
Grant, Thomas Selby.....Tacoma  
1st Law.....4532 18th Av NE—Ken 2827  
Grant, Wilfred L.....Seattle  
Bus.....5517 16th Av NE  
Graves, Arnold Landon.....Spokane  
Unc, Law.....4715 16th Av NE—Ken 475  
Graves, Elizabeth.....Seattle  
LD, LA.....5026 16th Av NE  
Graves, Francis D.....Bellingham  
LD, Bus.....5235 Univ Blvd  
Graves, Harding Dexter.....Seattle  
LD, Bus.....1406 E 63d St—Ken 347  
Graves, Hershel D.....Seattle  
LD, CE.....1034 E 70th St  
Graves, Lucile.....Seattle  
LD, Ed.....1034 E 70th St  
Graves, Lucius Wallace.....Seattle  
LD, Bus.....1034 E 70th St  
Graves, Ralph Alonzo.....Seattle  
LD, Bus.....4520 21st Av NE—Ken 2600  
Graves, Paul H.....Spokane  
2nd Law.....4520 21st Av NE  
Graves, Raymond.....Malaga  
LA.....5813 4th Av NW  
Gray, Helen Frances.....Seattle  
LD, LA.....3644 36th Av S  
Gray, Max Leslie.....Pinehurst  
LD, EE.....4130 12th Av NE  
Gray, Paul F.....Spokane  
Sp, Sci.....1616 E 47th St  
Gray, Ruth Marie.....Seattle  
LD, LA.....4242 6th Av NE—N 3045

- Green, Clarence Corlean.....Modesto, Cal  
LD, LA.....4532 18th Av NE—Ken 2827
- Green, Dennis Franklin.....Aberdeen  
Unc, EE.....Terry Hall, Campus—N 60
- Green, Edra Thelma.....Lewiston, Ida  
UD, Ed.....6604 Univ Blvd—Ken 1112
- Green, Otto.....Seattle  
Unc, Sci.....1816 12th Av—E 8495
- Green, Pearl E.....Seattle  
Sp, LA.....621 W Galer St—QA 4801
- Green, Ralph Theodore.....Seattle  
Unc, Bus.....4521 21st Av NE—Ken 3438
- Green, Vera Grace.....Spokane  
LD, Bus.....715 2d Av N
- Greenberg, Ben D.....Tacoma  
Unc, Bus.....Terry Hall, Campus—N 60
- Greenberg, Lillian Frances.....Seattle  
Unc, FA.....820 15th Av
- Greenblatt, Ruby C.....Seattle  
Unc, LA.....523 14th Av N—Cap 8130
- Greene, Carle C.....Etna Mills, Cal  
LD, Phar.....5038 18th Av NE—Ken 1103
- Greene, Carrie Matilda.....Fayette, Iowa  
Grad.....2406 W 93d St
- Greene, Hamilton Leach.....Seattle  
LD, LA.....1532 13th Av—E 4931
- Greene, James Martin.....Seattle  
LD, Bus.....2551 10th Av W—QA 3843
- Greene, Lew Abrams.....Seattle  
UD, Jour.....4704 18th Av NE—Ken 541
- Greene, John Willard.....Seattle  
LD, ChE.....2551 10th Av W—QA 3843
- Greenleaf, Sidney Nelson.....Seattle  
UD, ChE.....4520 21st Av NE—Ken 2600
- Greenlee, John F.....Seattle  
Unc, Bus.....4305 15th Av NE
- Greenwood, Lucile Marcelle.....Seattle  
LD, LA.....Lewis Hall, Campus—N 162
- Gregg, Grace.....Hoquiam  
LD, LA.....4508 16th Av NE—Ken 2768
- Gregg, Ralph.....Coulee City  
LD, Sci.....5503 16th Av NE—Ken 1558
- Gregerson, Judith.....Seattle  
UD, LA.....4324 11th Av NE—Ken 3235
- Greig, Elizabeth Holbrook.....Tacoma  
LD, LA.....4710 Univ Blvd—Ken 1857
- Greig, John W.....Bollineau, N Dak  
LD, EE.....5003 18th Av NE
- Greiner, Ruth Helen.....Seattle  
UD, LA.....2242 W 57th St—Bal 94
- Greiner, Wallace Reginald.....Seattle  
LD, Sci.....324 Belmont Av N—Cap 2035
- Greybel, Marion E.....Portland, Or  
LD, LA.....4524 Univ Blvd—Ken 2490
- Grier, Sherman C.....Spokane  
LD, Bus.....2120 E 47th St—Ken 1170
- Griffin, Leah Bean.....Spokane  
Sp, Sci.....1023 Lakeview Blvd—Cap 283
- Griffin, Lois.....The Dalles, Or  
LD, Ed.....4133 Burke Av—N 322
- Griffin, Marcia Aleta.....Seattle  
LD, LA.....5556 28th Av NE
- Griffin, Robert Wetzell.....Astoria, Or  
LD, Bus.....2120 E 47th St—Ken 1176
- Griffin, Queenie J.....Seattle  
Unc, LA.....4408 Winslow Pl
- Griffith, Charles R.....Seattle  
LD, ChE.....2214 Lawrence St—N 3944
- Griffiths, Harold F.....Seattle  
LD, LA.....4723 9th Av NE—Ken 3354
- Griffiths, Lois Wilfred.....Seattle  
LD, Sci.....4728 9th Av NE—Ken 8354
- Grimes, Margaret Pennebaker.....Tacoma  
LD, Sci.....4504 18th Av NE—Ken 140
- Grimm, William H.....Centralia  
Unc, Bus.....1616 E 47th St—Ken 140
- Grinrod, Ione.....Seattle  
Grad.....3210 41st Av SW—W 382J
- Grisim, Elizabeth.....Auburn  
LD, Sci.....4042 Latona Av—N 1619
- Griswold, Francis West.....Bellingham  
LD, LA.....4616 21st Av NE—Ken 470
- Griswold, Greene George.....Seattle  
Unc, EE.....5038 19th Av NE—Ken 3611
- Grossen, Matilda Frieda.....Hillsboro, Or  
LD, LA.....Lewis Hall, Campus—N 162
- Groth, Joyce.....Seattle  
LD, LA.....521 21st Av N—E 9019
- Guenther, Chrystel.....Seattle  
UD, Sci.....1004 Belmont Av N—Cap 3275
- Guerin, Harriet.....Seattle  
LD, Sci.....4533 19th Av NE—Ken 272
- Guichon, Alfred Lawrence.....Landner, B C  
Unc, EE.....5038 Univ Blvd—Ken 406
- Guile, Helster Dean.....Bellingham  
UD, LA.....745 Bellevue Av N
- Gulnan, Burrows.....Goldendale  
LD, Phar.....4027 Latona Av
- Guich, Raymond Paxton.....Seattle  
LD, Bus.....0802 E Green Lke Wy—Ken 1739
- Gulick, Eleanor B.....Seattle  
Grad.....4718 21st Av NE
- Gullikson, Albert.....Seattle  
Unc, EE.....4010 Whitman Av
- Gulliver, Ida May.....Seattle  
Unc, Sci.....1529 Queen Anne Av—QA 2761
- Gundlack, Wilford Richardson.....Wallace, Ida  
LD, Sci.....Lander Hall, Campus—N 60
- Gunn, Elizabeth.....Edmunds  
LD, Sci.....Edmunds RFD 1, Bx 204—N 2557
- Gunn, Marjorie C.....Seattle  
UD, Sci.....4230 14th Av NE—N 1774
- Gunnerson, Ellen Engleborge.....Seattle  
Unc, LA.....1111 E John St—E 609
- Gustafson, Walter Tage.....Seattle  
LD, EE.....2044 N 78th St
- Gustafson, Emil Gottfrid.....Seattle  
LD, Bus.....2312 Harvard Av N
- Guthrie, Alfred Bertram.....Choteau, Mont  
LD, LA.....5224 14th Av NE
- Gutmann, Addis.....Seattle  
LD, Bus.....232 14th Av N
- Guzman, Macario.....Philippine Is  
LD, ME.....1404 E 41st St—N 3380
- Gwilym, Herald.....Seattle  
LD, EE.....1018 E Republican St—Cap 1298
- Gwinn, Alice Elizabeth.....Garfield  
UD, Ed.....Clark Hall, Campus—N 262
- Gwynn, Leanna.....Bellingham  
UD, Ed.....2117 E 55th St—Ken 2333
- Gyde, Sally Reeves.....Wallace, Ida  
LD, LA.....4524 Univ Blvd—Ken 2498
- Haakons, Hugo Raymond.....Seattle  
UD, EE.....4532 18th Av NE—Ken 2827
- Haack, David.....Seattle  
LD, Bus.....4137 14th Av NE—N 53
- Haas, Mark Leo.....Seattle  
UD, Jour.....4704 18th Av NE—Ken 541
- Haas, Rosalie.....Weiser, Ida  
LD, FA.....4734 Univ Blvd
- Haas, Selma.....Weiser, Ida  
LD, Phar.....4734 Univ Blvd
- Haase, Herman Henry.....Clarkston  
UD, CE.....4742 11th Av NE
- Haaser, Norma.....Lewiston, Ida  
UD, LA.....5016 21st NE—Ken 480
- Haagland, Carl Herman.....Everett  
LD, Bus.....4301 2d Av NE—N 3535
- Hagen, Percy Henry.....Seattle  
LD, Bus.....1920 11th Av N—Cap 3220
- Hager, Morton Frank.....Portland, Or  
LD, Bus.....4718 Brooklyn Av—Ken 1732
- Hagler, Lawrence Edward.....Yakima  
UD, Bus.....4520 21st Av NE—Ken 2600

Hagmo, Albert Munson.....Seattle  
 LD, EB.....8205 Greenwood Av  
 Hague, Sigmund.....Livingston, Mont  
 UD, Sci.....  
 Hahlo, Anna Frances.....Seattle  
 LD, LA.....816 15th Av NE—E 7387  
 Hahan, Carl A.....Seattle  
 LD, ChE.....531 N Broadway—Cap 3335  
 Hahner, Christine Elizabeth.....Spokane  
 Unc, Ed.....1607 Ravenna Av  
 Haight, Gilbert Pierce.....Seattle  
 Grad.....828 Broadway—E 2029  
 Haight, William Brundage.....Charleston  
 LD, Ed.....Terry Hall, Campus—N 60  
 Haines, Fred S.....Kilo, Mont  
 LD, ME.....5522 14th Av NE—Ken 1089  
 Hainsworth, Arthur S.....Seattle  
 LD, Bus.....4503 Univ Blvd—Ken 236  
 Hainsworth, Roberta Hold.....Seattle  
 LD, FA.....4710 Univ Blvd—Ken 1857  
 Hale, Harry.....Seattle  
 LD, ChE.....3818 10th Av NE—N 3775  
 Hale, Ruth Ellnor.....Seattle  
 LD, LA.....140 E 52d St  
 Haleston, Chris.....Camas  
 Unc, Sci.....2003 E 47th St—Ken 185  
 Haley, Dorothy E.....Juneau, Alaska  
 LD, Jour.....4710 19th Av NE—Ken 463  
 Haley, Leon.....Seattle  
 LD, Bus.....311 24th Av S—Bea 2262  
 Haley, Louisa.....Seattle  
 LD, Sci.....1609 N 40th St—N 580  
 Halbach, Norma C.....Milwaukee, Wis  
 Grad.....  
 Hall, Thomas Edward.....Boise, Ida  
 LD, ChE.....5249 Univ Blvd—Ken 1669  
 Hall, Fleta Maurine.....Seattle  
 LD, Sci.....4530 Univ Blvd—Ken 983  
 Hall, Horace Waldegrave.....Clarendon, Va  
 Grad.....College Club, 5th & Seneca—E11 5285  
 Hall, O Ingalls Jr.....Seattle  
 LD, ChE.....2027 15th Av So  
 Hall, Jeff Mack.....Sherman, Tex  
 LD, Bus.....4532 19th Av NE  
 Hall, Mabel M.....Seattle  
 UD, LA.....4710 Univ Blvd—Ken 1857  
 Hall, Mary Lee.....Seattle  
 UD, Lib.....1933 Harvard N—Cap 3676  
 Hall, Maude Elizabeth.....Fairfax  
 UD, Sci.....4530 Univ Blvd—Ken 653  
 Hall, Robert Worthing.....Seattle  
 LD, Bus.....1935 Harvard Av N—Cap 3676  
 Hall, Vernon Knight.....Vancouver, B C  
 LD, EE.....4045 Brooklyn Av—N 2416  
 Hall, Amy Violet.....Vancouver, B C  
 UD, Ed.....4045 Brooklyn Av—N 2416  
 Hallan, Arthur Clarence.....Seattle  
 Sp, Bus.....6516 Palatine Av  
 Hallgren, Beatrice Thelma.....Seattle  
 Unc, Bus.....213 Erie Av  
 Hallin, Ruth Marjorie.....Tacoma  
 UD, Sci.....4838 11th Av NE—Ken 2501  
 Hallowell, Lionel Ellsworth.....Roundup, Mont  
 LD, Bus.....4123 11th Av NE—N 2474  
 Halvorson, Edwin O.....Custer  
 Unc, Bus.....4121 14th Av NE  
 Halvorson, Helmer M.....Custer  
 Unc, Bus.....5243 19th Av—Ken 3460  
 Halvorson, Leonard Albert.....Seattle  
 Unc, Bus.....6201 Rainier Av  
 Hamerly, Lawrence Raymond.....Spokane  
 LD, EB.....315 Univ Blvd  
 Hamill, Beatrice.....Seattle  
 LD, Bus.....510 18th Av N—E 1044  
 Hamill, Margaret M.....Seattle  
 LD, Bus.....4534 Univ Blvd—Ken 20  
 Hamilton, Clark Alexander.....Weiser, Ida  
 LD, Bus.....4532 19th Av NE—Ken 4246

Hamilton, Clyde.....Seattle  
 LD, LA.....4727 2d Av NE—N 3532  
 Hamilton, Marjorie Lucille.....Weiser, Ida  
 LD, Sci.....Clark Hall, Campus—N 262  
 Hamilton, Rupert Lehn.....Seattle  
 UD, Jour.....1605 E 47th St—Ken 84  
 Hamley, Gladys Jean.....Pendleton, Or  
 UD, LA.....4543 Univ Blvd—Ken 659  
 Hamm, Gladys Verda.....Sheridan, Wyo  
 UD, Sci.....Lewis Hall, Campus—N 162  
 Hamm, Benjamin F.....Seattle  
 .....RD 8 box 7—Sid 1048  
 Hammarberg, Agnes Elizabeth.....Sweden  
 UD, LA.....5217 16th Av NE—Ken 2024  
 Hammer, Arno F.....Spokane  
 Unc, Law.....4026 12th Av NE  
 Hammer, Jayse.....Sedro-Woolley  
 LD, LA.....520 Boylston Av N  
 Hammer, Louise (Mrs).....Seattle  
 UD, LA.....4504 20th Av NE  
 Hammerlin, Roy N.....Tacoma  
 Unc, LA.....5009 11th Av NE—Ken 1718  
 Hammond, Orlena.....Spokane  
 LD, Sci.....4227 15th Av NE—N 1075  
 Handley, James William.....Hazelwood  
 UD, LA.....  
 Hanifer, James.....Spokane  
 LD, Bus.....1605 E 47th St—Ken 84  
 Hankerson, Ruble P.....Seattle  
 Unc, LA.....Terry & Marlon—E11 1030  
 Hanna, Idella M (Mrs).....Snodish  
 Sp.....615 17th Av N—E 1777  
 Hanratty, Joseph Harley P.....Coeur d'Alene  
 LD, LA.....4734 Univ Blvd—Ken 698  
 Hansen, Helen Marguerite.....Yashon  
 UD, Bus.....4534 Univ Blvd—Ken 20  
 Hansard, Everett Clay.....McMinnville, Or  
 LD, LA.....Gen Del, Seattle  
 Hansen, Hilda.....Ferndale  
 Unc, Bus.....5217 16th Av NE—Ken 2024  
 Hansen, Lester Kruger.....Renton  
 LD, EE.....Renton  
 Hankinson, Helen Adelaide.....Moscow, Ida  
 LD, ME.....5235 Univ Blvd—Ken 618  
 Hansen, Lauriston L.....Seward, Alaska  
 SC, Min.....4557 Brooklyn Av  
 Hansen, Reese Detlef.....Seattle  
 LD, Bus.....Hazelwood  
 Hansen, Thorwald.....Snodish  
 Unc, Engr.....4716 9th Av NE  
 Hansen, Viola.....Seattle  
 ED, Lib.....107 W Leary Av—N 5885  
 Hanson, Esther.....Seattle  
 LD, FA.....4340 10th Av NE  
 Hanson, Marion Fay.....Seattle  
 LD, Bus.....4747 16th Av NE—Ken 1704  
 Hanson, Rainhardt Stanley.....Bellingham  
 LD, Bus.....Lander Hall, Campus—N 60  
 Harada, Matzutaru.....Japan  
 LD, Sci.....661 Washington St  
 Harbaugh, Charles W.....Sedro Woolley  
 LD, Bus.....2120 E 47th St  
 Harlike, Jefferson F.....Tacoma  
 LD, LA.....4540 15th Av NE—Ken 475  
 Harlike, Willis John.....Portland, Or  
 LD, Bus.....5212 18th Av NE—Ken 887  
 Harleman, Russell.....Seattle  
 LD, LA.....1106 W Howe St—QA 697  
 Harding, Bessie Irene.....Seattle  
 Unc, FA.....2227 10th Av NE—Cap 2642  
 Harding, Louretta Valley.....Seattle  
 LD, FA.....2227 10th Av N—Cap 2642  
 Harding, Merwin Clark.....Nezperce, Ida  
 Unc, Bus.....4540 15th Av NE—Ken 1207  
 Hardwick, Freda Phyllis.....Pinehurst  
 UD, Ed.....Lewis Hall, Campus, N 162  
 Hardy, Ray Isobel.....Seattle  
 LD, FA.....5026 California Av—W 1095J

- Hardy, William Agee.....Seattle  
UD, ChE...3915 W Lander St—W 1109W
- Hargreaves, Carey.....Seattle  
LD, Min.....4812 6th Av NE—N 1210
- Haritonoff, Samail K.....Russia  
LD, CE.....3804 10th Av NE—N 1688
- Harkness, Charles Robert.....Seattle  
LD, Sci.....500 12th Av N—Cap 1086
- Harm, Frank Donald.....Centralia  
LD, Sci.....5018 19th Av NE
- Harman, Helen Amber.....Port Angeles  
LD, FA.....4732 21st Av NE—Ken 119
- Harmon, Marion Frances.....Port Angeles  
LD, LA.....5806 16th Av NE—Ken 1397
- Harmon, Irene Clare.....  
LD, FA.....
- Harned, Zillah.....Seattle  
LD, FA.....2015 32d Av S
- Harold, Eugene Leslie.....Seattle  
LD, Bus.....104 Harvard Av N—Cap 943
- Harold, Thelma.....Seattle  
LD, FA.....104 Harvard Av N—Cap 943
- Harper, Elbert.....Chehalis  
LD, Bus.....4616 21st Av NE—Ken 490
- Harper, Le Roy.....Seattle  
LD, Sci.....418 Blewett St—N 906
- Harriid, Hortense F.....Spokane  
LD, LA.....1208 Denny Way
- Harrington, Bernard J.....Butte, Mont  
Unc, Bus.....4702 9th Av NE—Ken 3207
- Harrington, Florence.....Butte, Mont  
LD, LA.....4702 9th Av NE—Ken 3207
- Harrington, Floyd M.....Caldwell, Ida  
Sp, Bus.....
- Harris, Benjamin Edward.....Spokane  
LD, LA.....1906 E 45th St—Ken 2171
- Harris, Benjamin F.....New Plymouth, Ida  
LD, Sci.....4704 18th Av NE—Ken 541
- Harris, Catherine.....Everett  
LD, FA.....4019 15th Av NE—N 1368
- Harris, Donald Silver.....Portland, Or  
UD, LA.....624 1st Av NW—Bal 3814
- Harris, Edward William.....Ft Benton, Mont  
LD, Bus.....5038 Univ Blvd—Ken 496
- Harris, Florence Seadlin.....Seattle  
LD, LA.....1812 Mead St—Sid 134
- Harris, Frederick O.....Seattle  
LD, FA.....1806 19th Av S
- Harris, Cornelius Hinman.....Seattle  
LD, LA.....4737 4th Av NE—N 2324
- Harris, Mary Prince.....Seattle  
LD, LA.....4732 21st Av NE—Ken 119
- Harris, Parker Elmore.....Seattle  
LD, Sci.....4725 11th Av NE
- Harris, Ralph H.....Seattle  
LD, LA.....4737 4th Av NE—N 2324
- Harris, Robert G.....Spokane  
LD, Engr.....5015 Univ Blvd—Ken 8169
- Harris, Sarah E.....Seattle  
UD, LA.....4543 Univ Blvd—Ken 650
- Harrison, Everett Falconer.....Seattle  
LD, LA.....5042 Univ Blvd—Ken 1025
- Harsch, Alfred Elmer.....Yakima  
LD, LA.....5038 Univ Blvd—Ken 496
- Harshberger, Frank McCoy.....Seattle  
LD, Sci.....415 Wheeler St—QA 2557
- Harshberger, Robert Pernie.....Seattle  
LD, ChE.....4505 18th Av NE—Ken 333
- Harstad, Timothy.....Parkland  
LD Min.....
- Hart, Artie Lee G.....Lander Hall, Campus  
LD, LA.....121 13th Av N—E 3182
- Hart, Dean B.....Tacoma  
LD, Bus.....815 E 57th St
- Hart, Henry McK.....Darrington  
SC, For.....4310 12th Av N
- Hart, Irving Warren.....Boise, Ida  
LD, For.....4305 15th Av NE—Ken 720
- Hart, Lou Ella.....Olympia  
LD, LA.....4551 Univ Blvd—Ken 501
- Harting, Raymond.....Seattle  
LD, ChE.....1016 6th Av N
- Hartman, George Howard.....Selah  
LD, Bus.....4759 Brooklyn Av—Ken 2838
- Hartshorn, Gordon Clare.....Seattle  
LD, Sci.....1618 Bellevue Av—E 5551
- Marvey, Beatrice.....Seattle  
Unc, Ed.....3836 Findlay St
- Harvey, Edwin.....  
LD, Bus.....
- Harvey, Helen.....Walla Walla  
LD, LA.....4524 Univ Blvd—Ken 2496
- Harvey, John Hamilton.....Seattle  
LD, Bus.....1416 E 41st St
- Hasegawa, Sada.....Seattle  
LD, LA.....604 Cherry St—M 4870
- Haskell, Donald Forbes.....Tacoma  
LD, ChE.....4549 15th Av NE—Ken 475
- Hatheway, Ernest Raymond.....Seattle  
LD, Sci.....125 12th Av N—E 3669
- Hatton, Ruth S.....Seattle  
LD, LA.....2629 Warren Av—2A848
- Hatten, Cleas Bernard.....Everett  
LD, EE.....4305 15th Av NE—Ken 720
- Hauck, Hazel Marie.....Seattle  
UD, Sci.....712 Terry Av—ElI 3805J
- Haug, Andrew J.....Seattle  
LD, EE.....Terry Hall, Campus—N 60
- Havel, Fred.....Tacoma  
UD, EE.....1906 E 45th St—Ken 2171
- Haverkamp, Delmar Berg.....Tacoma  
Unc, Bus.....2120 E 47th St—Ken 1116
- Hawe, John.....Seattle  
Sp, Law.....16 W Mercer St—QA 2308
- Hawkins, Alice Belle.....Seattle  
Sp, Sci.....5205 14th Av NE—Ken 99
- Hawkins, Elma.....Seattle  
UD, LA.....5826 McKinley Pl—Ken 529
- Hawkins, Harry Harlan.....Seattle  
LD, CE.....4506 Univ Blvd—Ken 291
- Hawkins, Robert McMillan.....Seattle  
LD, Bus.....1616 E 47th St—Ken 149
- Hawkins, Walter.....Mt Vernon  
LD, EE.....113 Broadway
- Hawley, Clarence.....Seattle  
LD, ChE.....2032 W 59th St
- Hawley, Dwight Spencer.....Seattle  
LD, Bus.....2846 W 64th St—Bal 1133
- Hawley, Edna Tibbits.....Seattle  
Grad.....904 8th Av W—QA 3873
- Hawley, Lyle Tracy.....Seattle  
UD, Min.....2032 W 59th St
- Hawley, Sydney James.....Seattle  
UD, Sci.....1200 Harvard Av—E 3943
- Haworth, Elizabeth.....Seattle  
LD, Sci.....3701 Corlies Av—N 3077
- Hay, Bruce Muir.....Spokane  
LD, Bus.....1923 W Broadway—Cap 3858
- Hay, Larry.....Sunnyside  
LD, Bus.....2410 W 63d St—Bal 233
- Hay Marjorie.....Seattle  
LD, Sci.....7011 Sycamore Av—Bal 2493
- Harden, Henry Tweed Jr.....Pt Townsend  
LD, EE.....Lander Hall, Campus—N 60
- Hayden, Maxwell C.....Tacoma  
LD, For.....4530 14th Av NE—Ken 555
- Hay, Ray H.....Sunnyside  
.....4711 18th Av NE—Ken 1642
- Haye, Chester William.....Spokane  
LD, EE.....Terry Hall, Campus—N 60
- Hayes, Artie.....Grandview  
LD, Bus.....5023 8th Av NE
- Hayes, Gus.....Kellog, Ida  
LD, Bus.....5235 Univ Blvd—Ken 618
- Hayner, Marguerite.....Seattle  
Unc Sci.....2716 32d Av S—Ben 137

Hayner, Miriam Marjorie.....	Salem, Or	UD, LA.....1804 E 50th St—Ken 802	Henderson, William S.....	Yakima	Sp, Bus.....5003 16th Av NE—Ken 140
Hayner, Norman Sylvester.....	Salem, Or	UD, LA.....4548 9th Av NE	Hendrick, James L.....	Omak	LD, Bus.....5042 18th Av NE—Ken 1740
Haynes, Charles Delano.....	Yakima	LD, Sci.....Campus Barracks	Hendricks, Robert John.....	Gresham, Or	LD, Min.....5038 Univ Blvd—Ken 496
Haynes, C Hanford.....	Seattle	Unc, ME.....6402 12th Av NE	Hendricks, Ruth Gladys.....	Seattle	LD, Sci.....6215 12th Av NE—Ken 3417
Haynes, Justin.....	Seattle	LD, Bus.....1008 Washington Blvd—E 8452	Hendrickson, Doris.....	Seattle	LD, FA.....344 18th Av N—E 4863
Haynes, Phyllis A.....	Seattle	LD, FA.....936 19th Av—E 5872	Henricksen, Hans Otto.....	Seattle	LD, Bus.....1823 Prospect St
Haynes, Stephen Bernard.....	Seattle	LD, LA.....1008 Washington Blvd—E 3452	Hendrickson, Harvey F.....	Seattle	LD, Bus.....1605 47th Av NE—Ken 84
Hayward, Harold Dewey.....	Ridgewood, N J	LD, For.....5038 Univ Blvd—Ken 496	Hennes, Albert F.....	Bellingham	LD, Bus.....5503 10th Av NE—Ken 1558
Hazeltine, Lelia.....	South Bend	Grad.....5251 19th Av NE—Ken 897	Hennes, Delbert F.....	Bellingham	LD, Bus.....5503 10th Av NE—Ken 1558
Hazer, Freda Mae.....	Seattle	Grad.....5229 19th Av NE—Ken 2082	Hennings, Lawrence Raymond.....	Dubuque, Ia	Unc, LA.....4026 12th Av NE—N 2422
Hazelton, Olga Jane.....	Spokane	LD, Sci.....1111 E John St—E 609	Henry, Anna Ruth.....	Yakima	LD, LA.....4548 Univ Blvd—Ken 2934
Heacock, Gerald Jerard.....	Wenatchee	Sp, CE.....4817 Brooklyn Av	Henry, Ellis Anna.....	Mt Vernon	LD, LA.....5030 15th Av NE—K 216
Heacock, Ward James.....	Seattle	UD, EE.....5003 18th Av NE—Ken 1692	Henry, Ruth.....	Tacoma	UD, LA.....1615 N 46th St—N 3271
Healy, Timothy.....	Bellingham	Unc, Law.....4616 21st Av NE—Ken 490	Hepler, Helen.....	Seattle	LD, FA.....2352 Franklin Av—Cap 2104
Heath, Dorothy Marian.....	Yakima	LD, Sci.....4519 Univ Blvd—Ken 96	Herbert, Willis N.....	Tacoma	LD, Bus.....YMCA—M 5208
Heath, Frederick T.....	Tacoma	UD, Bus.....4505 18th Av NE—Ken 333	Hergert, Maude E.....	Seattle	UD, Sci.....2631 Baylston Av N
Heath, Phyllis.....	Palo Alto, Cal	Unc, Bus.....4504 18th Av NE	Herman, Edith H.....	Seattle	Unc, Bus.....2421 Harvard Av N
Heath, Ray J.....	Seattle	Unc, For.....117 23d Av N	Hermans, Thomas Gerald.....	Chehalis	LD, LA.....4550 18th Av NE—Ken 3072
Heathman, Carl Melvin.....	Hartline	LD, Bus.....4549 15th Av NE	Hermans, W De Forrest.....	Pasadena, Cal	UD, Bus.....2400 N 45th St
Hedges, Ivey Evangeline.....	Seattle	LD, Bus.....8041 Strand Av—Ken 2624	Herner, Pauline Eleanor.....	Portland, Or	LD, Bus.....4530 Univ Blvd—Ken 983
Heerd, William J.....	Portland, Ore	.....5032 21st Av NE	Heron, George Milton.....	Ellensburg	LD, Phar.....4121 14th Av NE—N 745
Heermans, Donald.....	Olympia	LD, LA.....4580 14th Av NE—Ken 555	Heron, Herbert Andrew.....	Seattle	LD, For.....2329 N 50th St—Ken 2245
Hefferman, Grace Elizabeth.....	Seattle	UD, LA.....4504 18th Av NE—Ken 146	Herre, Helen.....	Erveron	LD, Sci.....4110 11th Av NE
Helly, Robert George.....	Spokane	LD, Bus.....4704 18th Av NE—Ken 541	Herrick, Ellen.....	Seattle	LD, LA.....4121 Linden Av—N 1469
Heintz, Wallace Paul.....	Yakima	LD, ChE.....4000 14th Av NE—N 0	Herrick, Marion Herman.....	Seattle	LD, Bus.....4121 Linden Av—N 1469
Helst, Lulu.....	Salem, Or	UD, Sci.....503 E 43d St—N 2270	Herrick, Maude.....	Seattle	Sp, LA.....49th & Fremont Av
Hekel, Norris J.....	Independence, Iowa	LD, Sci.....4504 16th Av NE—Ken 647	Herrie, Martin Lawrence.....	Mt Vernon	LD, EE.....4253 7th Av NE
Helland, George Melvin.....	Seattle	LD, Bus.....4711 Latona Av	Herron, Willard George.....	Seattle	UD, Sci.....4503 Univ Blvd—Ken 236
Helmich, Gordon William.....	Seattle	LD, Sci.....421 Summit Av N—Cap 838	Hess, Marie Elizabeth.....	Spokane	LD, LA.....4504 18th Av NE—Ken 146
Helmish, Leone.....	Yakima	LD, LA.....5218 Univ Blvd—Ken 3212	Hesseltine, Lee Frazelle.....	Wilbur	LD, Bus.....3742 Brooklyn Av
Helmish, Merle.....	Yakima	UD, Sci.....5218 Univ Blvd—Ken 3212	Hester, Alice Elizabeth.....	Tacoma	LD, Ed.....4545 11th Av NE—Ken 2850
Helmuth, Gay.....	Seattle	Unc, CE.....1703 Arch Av	Heston, Robert Camby.....	Seattle	Sp, Bus.....5622 15th Av NE—Ken 60
Hemphill, Hazel Galloway.....	Seattle	UD, Sci.....1408 E 42d St—N 48	Heyes, Alice Dorothy.....	Seattle	LD, LA.....2008 Lane St—Bea 1491
Hemphill, Thomas Wendell.....	Seattle	Unc, Bus.....5042 18th Av NE—Ken 1740	Heywood, Kathleen.....	Seattle	LD, Bus.....1821 Federal Av—Cap 2089
Henderlite, Claude Elmer V.....	Seattle	UD, LA.....7329 8th Av NW	Hiatt, Amos.....	Seattle	LD, Bus.....3820 45th Av SW—W 637R
Henderson, Glenn W.....	Seattle	LD, Phar.....6517 Greenwood Av	Hiatt, Maurine.....	Seattle	UD, FA.....5631 15th Av NE—Ken 3650
Henderson, Margaret Virginia.....	Hoquiam	LD, Bus.....4508 16th Av NE—Ken 2768	Hibbard, Myra.....	Seattle	LD, LA.....223 12th Av N—Cap 2792
Henderson, Ruby Alice.....	Sunnyside	Unc, Phar.....4651 Univ Blvd—Ken 501	Hickenbottom, Walter Erwin.....	Zillah	LD, LA.....5208 10th Av NE—Ken 2774
Henderson, Ruby Jean.....	Lewiston, Ida	UD, LA.....4732 21st Av NE	Hickey, Alice Margaret.....	Seattle	Unc, FA.....2426 W 62d St

- Hickey, Florence Mayne ..... Seattle  
 Unc. Law ..... 2119 E 52d St  
 Hickok, Beulah G. ....Bloomington, Wis  
 LD, LA ..... 4761 Univ Blvd—Ken 2713  
 Hicks, Carlton ..... Seattle  
 Unc, Ed ..... 1301 Rainier Av—Ben 821  
 Hicks, George W. ....Tacoma  
 LD, ChE ..... 415 Wheeler Av—QA 2557  
 Hicks, Joseph Winstead ..... Seattle  
 LD, LA ..... 4230 14th Av NE—N 1774  
 Hicks, H Maynard ..... Seattle  
 LD, Bus ..... 5225 15th Av NE—Ken 2543  
 Hiescher, Herbert Henry ..... Seattle  
 LD, Bus ..... 121 Thomas St  
 Higgins, Eugene Harold .....Bemilton, Mont  
 LD, For ..... 767 Union St  
 Higgins, Frank Milton ..... Spokane  
 LD, Bus ..... 4508 Univ Blvd—Ken 236  
 Hilbush, Wilma Henrietta ..... Hilliard  
 LD, Bus ..... 4529 7th Av NE—N 1744  
 Hildreth, Ralph ..... Toppenish  
 Sp, CE ..... 4254 7th Av NE  
 Hile, Ruth Caroline ..... Superior, Wis  
 UD, Ed ..... 768 Bellevue Av N  
 Helen, Ellen ..... Seattle  
 Unc, LA ..... 5808 15th Av NE—Ken 3522  
 Hill, Bert ..... Tacoma  
 LD, Bus ..... 3115A Eastlake Av  
 Hill, Leon Albert ..... Spokane  
 Unc, ME ..... 5522 14th Av NE—Ken 1080  
 Hill, Charles Willmann ..... Spokane  
 LD, Bus ..... 1906 E 45th St—Ken 2171  
 Hill, Chester Franklin ..... Seattle  
 Unc, Bus ..... 7418 E Green Lk Wy—Ken 587  
 Hill, Cyril Dean ..... Seattle  
 LD, LA ..... 3229 6th Av W—QA 554  
 Hill, Hobart W. .... Seattle  
 LD, Bus ..... 4616 21st Av NE  
 Hill, Reuben Dwight ..... Seattle  
 LD, Bus ..... 3229 6th Av  
 Hill, Frances Elizabeth ..... Port Townsend  
 Unc, Bus ..... 4530 18th Av NE—Ken 2816  
 Hill, Glen Gordon ..... Seattle  
 LD, Ed ..... 4704 18th Av NE—Ken 541  
 Hill, Grace Alma ..... Seattle  
 Grad ..... 4747 18th Av NE—Ken 2480  
 Hill, James Jerome ..... Spokane  
 LD, Bus ..... 1906 E 45th St—Ken 2171  
 Hill, Mildred Adele ..... Tacoma  
 LD, Ed ..... 4518 Univ Blvd  
 Hill, Roland Wilmer ..... Zillah  
 Unc, ME ..... 4000 14th Av NE—N 9  
 Hill, Sidney Bryan ..... Pacific City  
 Unc, LA ..... 4704 18th Av NE—Ken 541  
 Hill, Vendela ..... Cotton, Ore  
 LD, FA ..... 4019 4th Av NE  
 Hillman, Robert Kline ..... Seattle  
 LD, LA ..... 1126 15th Av N—E 2751  
 Hills, William Chester ..... Ellispport  
 LD, EE ..... 4503 Univ Blvd—Ken 236  
 Hills, Elizabeth ..... Ellispport  
 UD, Ed ..... 4543 Univ Blvd—Ken 659  
 Hills, Kenneth Maltman ..... Seattle  
 LD, ME ..... 4508 W Mass St  
 Hilstrom, George ..... Seattle  
 Unc, Bus ..... Lander Hall, Campus—N 60  
 Hilton, Eleanor Catherine ..... Seattle  
 LD, FA ..... 918 1st Av W—QA 4010  
 Himes, Hazel ..... Hoquiam  
 LD, LA ..... 4509 16th Av NE—Ken 2768  
 Himmelsbach, Dora May ..... Yakima  
 Unc, LA ..... 4557 10th Av NE—N 2182  
 Himmelsbach, Eugene William ..... Naches  
 LD, EE ..... 4303 12th Av NE  
 Hindman, Edna ..... Baker Ore  
 Grad ..... 1300 E 41st St  
 Hindle, Mildred Eleanor ..... Seattle  
 LD, LA ..... 1533 18th Av—E 4396  
 Hindle, Stuart James ..... Seattle  
 LD, Bus ..... 1533 18th Av—E 4396  
 Hinman, Carl B. ....Cashmere  
 LD, Bus ..... 4755 Brooklyn Av—Ken 766  
 Hinman, Charles Lee ..... Yakima  
 Unc, Law ..... 4724 9th Av NE—Ken 2019  
 Hinman, Mary Albertine ..... Everett  
 UD, FA ..... 4534 Univ Blvd—Ken 20  
 Hirata, Harry Manichi ..... Spokane  
 LD, Bus ..... 4110 12th Av NE—N 3707  
 Hirose, Tadayuki ..... Japan  
 UD, Sci ..... 4110 12th Av NE—N 3707  
 Hitchings, Eben G. .... Seattle  
 Sp, CE ..... 1720 39th Av—E 2315  
 Hitchings, Esther Louise ..... Seattle  
 LD, LA ..... 1720 39th Av—E 2315  
 Hjertous, Gurina Oline ..... Tolt  
 LD, LA ..... 4733 10th Av NE—Ken 3328  
 Hoadley, (Miss) Burdette ..... Kennewick  
 LD, Sci ..... 856 E 56th St  
 Hoag, George E. .... Bonham  
 LD, LA ..... YMAA  
 Hoagland, Townsend Otto ..... Seattle  
 LD, Bus ..... 4506 Univ Blvd—Ken 291  
 Hoard, Charles Vere ..... Seattle  
 2d Law ..... 3939 Burke Av—N 3706  
 Hoard, George Lisle .....  
 Grad .....  
 Hoare, Julia Katherine ..... Seaview  
 UD, Ed ..... 2012 E 45th St—Ken 2045  
 Hoare, William Curtis ..... Seaview  
 LD, Bus ..... 1616 E 47th St—Ken 149  
 Holbi, Edwin ..... Aberdeen  
 Unc, Bus ..... 4530 14th Av NE  
 Hodge, Mary Loraine ..... Seattle  
 LD, LA ..... 4542 10th Av NE—Ken 539  
 Hodges, Gilbert Phipps ..... Thuse  
 LD, LA ..... 1203 20th Av N  
 Hodges, George Shelalcn ..... Great Falls, Mont  
 LD, Etc ..... 5038 Univ Blvd—Ken 496  
 Hodges, James Frederick ..... Seattle  
 LD, ChE ..... 4523 18th Av NE—Ken 3681  
 Hofer, Herman Smith ..... Olympia  
 LD, ME ..... 5012 10th Av NE—Ken 3227  
 Hoffer, John C. ....Chippewa Falls, Wis  
 Unc, Law ..... 316 N 49th St—N 820  
 Hoffer, Paul ..... Chippewa Falls, Wis  
 LD, LA ..... 316 N 49th St—N 820  
 Hoffman, Bessie Rose ..... Seattle  
 LD, Bus ..... 820 16th Av—E 286  
 Hoffman, Jerome G. .... Seattle  
 LD, Bus ..... 802 15th Av—E 7015  
 Hoffman, Ruth Manon ..... Seattle  
 LD, Bus ..... 4039 8th Av NE  
 Hofmann, Chauncey William ..... Portland, Or  
 Unc, ChE ..... 4395 16th Av NE—Ken 720  
 Hofmann, Henry Lee ..... Portland, Or  
 UD, ChE ..... 4365 15th Av NE—Ken 720  
 Hogan, Elwood Davis ..... Cosmopolis  
 LD, For ..... 4530 14th Av NE—Ken 536  
 Hogan, Bennett Louis ..... Cosmopolis  
 LD, ChE ..... 4530 14th Av NE—Ken 555  
 Hogan, William Clarence ..... Pasco  
 Unc, Bus ..... 5504 Brooklyn Av—Ken 1477  
 Hogg, Jack McHenry ..... Seattle  
 LD, Bus ..... 2120 E 47th St—Ken 1176  
 Hoggatt, Floyd Lionel ..... Kalama  
 LD, CE ..... 4363 6th Av NE—N 2477  
 Hogue, Helen ..... Seattle  
 LD, FA ..... 4727 16th Av NE—Ken 3182  
 Holbrook, Maud L (Mrs) ..... Seattle  
 Sp, LA ..... 4020 12th Av NE—N 2551  
 Holbrook, William Paul ..... Seattle  
 UD, LA ..... 4023 12th Av NE—N 2555  
 Holcomb, Marie B. .... Seattle  
 LD, LA ..... Washington Annex—M 7192  
 Holcomb, Maurice Staser ..... Olympia  
 LD, LA ..... 1616 E 47th St—Ken 149

Holden, Ashley Elder.....Yakima  
LD, LA.....4211 Brooklyn Av—N 1657  
Holden, James Hector.....  
LD, Ed.....123 6th Av N  
Holden, John Harold.....Chelan  
LD, Bus.....4317 Brooklyn Av  
Holden, Roberta D.....Brewster  
LD, LA.....4211 Brooklyn Av—N 1657  
Hole, Alice.....Seattle  
LD, LA.....633 Kinnear Pl  
Holen, Olaf.....Tacoma  
Grad.....  
Holkesing, Walter R.....Great Falls, Mont  
LD, ChE.....4036 15th Av NE  
Holladay, Bonnie Francis.....Baker, Or  
LD, Bus.....4515 18th Av NE—Ken 2044  
Hollan, Emma.....Seattle  
UD, Ed.....4045 Brooklyn Av  
Holland, Ruth.....Seattle  
LD, LA.....3986 14th Av NE  
Hollander, Tyre Harrison.....Edgmont, N C  
2d, Law.....4125 Brooklyn Av—N 39  
Hollenbeck, Dale Gilbert.....Paul, Ida  
LD, Bus.....4520 21st Av NE—Ken 2000  
Hollibough, Willie Ruth.....Hamilton, Mont  
LD, Bus.....943 N 103d St  
Holman, Andrew.....Elma  
Unc, CE.....Lander Hall, Campus—N 60  
Holman, Roswell Morris.....Oregon City, Or  
LD, Sci.....5035 19th Av NE—Ken 939  
Holmes, Raymond David.....Tacoma  
UD, LA.....2510 E Ward St—E 6171  
Holloway, A Cecil.....Washington, Kan  
LD, LA.....3945 15th Av NE—N 4303  
Holton, Karl William.....Port Alice, B C  
LD, Bus.....2206 8th Av—E11 3728J  
Holmes, Willard Lewis.....Idaho Falls, Ida  
LD, ME.....4575 15th Av NE—Ken 475  
Holt, Ethel Marie.....Pasco  
Unc, FA.....5201 10th Av—Ken 2958  
Holzheimer, Frank W.....Seattle  
LD, Min.....Washington Hotel—M 7070  
Haman, Marion.....Hoquiam  
LD, LA.....4714 Univ Blvd—Ken 2253  
Hanan, Thomas James.....Sifton  
Unc, Bus.....1314 E 43d St—Ken 8  
Holt, George Jr.....Seattle  
LD, LA.....2448 Broadway N  
Holt, Lillian B.....Seattle  
LD, Ed.....3733 Burke Av  
Holt, Lucy M.....Seattle  
LD, Sci.....2448 Broadway N  
Hone, Marie Curran.....Tonasket  
UD, LA.....620 12th Av N—Cap 1706  
Honey, Frederic Drake.....Gresham, Or  
LD, Bus.....4503 Univ Blvd—Ken 236  
Honey, Katherine.....Gresham, Or  
UD, FA.....4543 18th Av NE—Ken 659  
Hood, Ellen Bell.....Juneau, Alaska  
LD, LA.....5222 Univ Blvd—Ken 1682  
Hood, Helen R.....Puyallup  
UD, FA.....4551 Univ Blvd—Ken 4181  
Hood, Robert Emmett.....Pocatello, Ida  
LD, Bus.....  
Hook, Richard Wallace.....Aberdeen  
Sp, FA.....  
Hooper, Eugene Francis.....Seattle  
LD, LA.....2214 Harvard Av N—Cap 1220  
Hoopingartner, George.....Amber  
Unc, LA.....4780 Brooklyn Av  
Hoover, Oscar Ernest.....Everett  
LD, Bus.....4130 12th Av NE—N 3101  
Hopper, Roscoe Alvin.....Omak  
Unc, Bus.....5042 18th Av NE—Ken 1740  
Hopkins, Doris Fernald.....Seattle  
UD, LA.....2520 10th St W—QA 3853  
Hopkins, George F.....Roseberg, Ore  
LD, EE.....1802 81st Av S

Hopkins, Marion Louise.....Seattle  
LD, Bus.....3325 37th Pl—Ral 828W  
Hopkinson, Marie (Mrs.).....Tacoma  
Sp.....806 Seneca St  
Hopkinson, Tetley Lawrence.....Aberdeen  
LD, Fish.....YMCA—M 5208  
Hopper, George Thomas.....Spokane  
UD, Bus.....5235 Univ Blvd—Ken 618  
Hopper, John E.....Seattle  
LD, LA.....5208 19th Av NE—Ken 2774  
Horivch, George S.....Japan  
Sp, Law.....211 5th Av S—M 3750  
Hornbrook, Edith Helen.....Seattle  
Grad.....4530 18th Av NE—Ken 2616  
Hopkins, Marion J.....Lower Bridge, Or  
LD, FA.....4508 16th Av NE—Ken 2768  
Hoskins, Naomi M.....Lower Bridge, Or  
UD, Ed.....4508 16th Av NE—Ken 2768  
Hosmer, Page R.....Seattle  
Sp, Jour.....5214 Univ Blvd—Ken 844  
Hossack, Myra Louise.....Seattle  
UD, LA.....4710 Brooklyn Av—Ken 3795  
Honey, John K.....Gresham, Ore  
Unc, Bus.....4311 Brooklyn Av—Ken 3834  
Houck, John A.....Seattle  
LD, FA.....  
Hopson, Eric E.....Portland Ore  
Unc SE.....5640 10th Av NE  
Hotelling, Harold.....Puyallup  
Grad.....5244 Brooklyn Av—Ken 2850  
Hougan, Edward Olson.....Seattle  
Unc, Bus.....Terry Hall, Campus—N 60  
Houghland, Robert.....Blackfoot, Ida  
LD, Phar.....5235 Univ Blvd—Ken 618  
House, Louise Osceola.....Pt Townsend  
UD, LA.....4710 Univ Blvd—Ken 1857  
Hover, Ernest John.....Tacoma  
Unc, Law.....1006 E 45th St—Ken 2171  
Hovey, Dorothy.....(Seattle)  
LD, Bus.....3923 Corliss Av—N 1602  
Hovey, Joseph Chester.....Ellensburg  
1st, Law.....4529 12th Av NE—Ken 769  
Hovey, Mary.....Seattle  
LD, Bus.....3923 Corliss Av—N 1602  
Howard, Grace Elizabeth.....Seattle  
Grad.....clo Title Trust Co, 2d&Col—M 2560  
Howard, Enville D.....Lakeport Cal  
LD, LA.....Marine Barracks, Navy Yd  
Howard, Edward Stewart.....Sedro-Wooley  
Unc, Engr.....5043 18th Av NE  
Howard, Mabel Grace.....Stanwood  
LD, Sci.....4547 Univ Blvd  
Howard, Rodney James.....Seattle  
Unc, Bus.....2611 1st Av N  
Howard, Walter Joseph.....Lemmon, S D  
Unc, EE.....Terry Hall, Campus—N 60  
Howarth, Harriet Marie.....Portland, Or  
LD, FA.....Lewis Hall, Campus—N 162  
Howay, Thomas Covan.....Grandview  
LD, Bus.....4522 11th Av NE  
Howe, Elmer Bernard.....Missoula  
UD, Bus.....5015 Univ Blvd—Ken 8169  
House, Eva.....Mansfield, Ill  
UD, Bus.....4502 20th Av NE—Ken 685  
Howe, Harold Maxwell.....Seattle  
LD, Bus.....1616 E 47th St—Ken 149  
Howe, Margaret T.....Waterville  
Unc, LA.....4211 12th Av NE—N 1213  
Howell, William Eastman.....Decatur  
Unc, EE.....4755 Brooklyn Av  
Howell, Ellene W.....Pomeroy  
LD, LA.....4535 18th Av NE—Ken 1429  
Howell, Emma Louise.....Pomeroy  
LD, Bus.....4535 18th Av NE—Ken 1429  
Howell, Helen Minerva.....Decatur  
LD, FA.....4519 6th Av NE  
Hower, Melba May.....Decatur  
Unc, Ed.....1016 E Lynn St



- Hoyt, Verna Margaret.....Seattle  
 LD, LA.....719 33d Av—E 8527  
 Hubbard, C Andresen.....Portland, Or  
 UD, Ed.....6060 32d Av NE  
 Hubbard, Ray G.....Spokane  
 LD, LA.....5002 20th Av NE—Ken 1189  
 Hubbell, Ruth Margaret.....Spokane  
 LD, Sci.....5208 Univ Blvd—Ken 3008  
 Hudson, Herbert Augustus.....Bremerton  
 LD, ChE.....411 N 50th St  
 Hudson, Mabel C.....Everett  
 LD, Bus.....4508 16th Av NE—Ken 2768  
 Hudson, Marjorie Merle.....Seattle  
 LD, LA.....3617 35th St W—QA 2681  
 Hudtloff, Arthur George.....Butte, Mont  
 UD, ME.....4339 11th Av NE—Ken 2941  
 Huelsdonk, Elizabeth.....Spruce  
 UD, Sci.....4547 Univ Blvd  
 Huff, Florence Elizabeth.....Kellogg, Ida  
 LD, LA.....4742 18th Av NE  
 Hufford, Luzerne Edison.....Seattle  
 UD, Sci.....5545 Woodlawn Av—N 3604  
 Huggett, Cepha Mae.....Pinehurst  
 LD, LA.....Campus—N 2050—Lo 51  
 Hughes, Anne Burke.....Seattle  
 LD, LA.....723 19th Av—E 6220  
 Hughes, Cecil Leonard.....Kennebec  
 UD, Ed.....Terry Hall, Campus—N 60  
 Hughes, Edwin Axtell.....Olympia  
 LD, Min.....5217 12th Av NE—Ken 3693  
 Hughes, Fred Lewis.....Yakima  
 LD, Bus.....5014 18th Av NE—Ken 1720  
 Hughes, Glenn Arthur.....Long Beach, Cal  
 Grad.....5019 8th Av NE—Ken 2055  
 Hughes, Henry Holton.....Yakima  
 LD, Bus.....5014 18th Av NE—Ken 1720  
 Hughes, Iva B.....Seattle  
 Unc, LA.....5241 12th Av NE  
 Hughes, Mary Monica.....Seattle  
 UD, LA.....4504 18th Av NE—Ken 146  
 Hughes, F B.....  
 Sp.....  
 Hulshauser, Ruth Arlene.....Selah  
 Unc, Sci.....4757 7th Av NE—Ken 1860  
 Hummer, Helen.....Seattle  
 LD, LA.....421 Boylston Av N  
 Hunsaker, Herbert Cason.....White Salmon  
 LD, LA.....1321 Seneca St—E 51  
 Hunsaker, James.....Wiley  
 LD, ChE.....800 18th Av N—E 4283  
 Hunt, Vivian Caroline.....Colfax  
 Unc, FA.....4547 19th Av NE—Ken 23  
 Hunt, Hector McNell.....Seattle  
 UD, Bus.....4530 14th Av NE—Ken 555  
 Hunt, Lawrence Wilbur.....Seattle  
 LD, Bus.....3800 9th Av NE—N 3876  
 Hunt, Leonard.....Colville  
 LD, Bus.....5524 Brooklyn Av—Ken 1843  
 Hunt, Ozro Harold.....Kennydale  
 UD, EE.....Kennydale  
 Hunt, Phebe Alberta.....Seattle  
 LD, LA.....2647 Walnut Av—W 228R  
 Hunt, Phillip Smith.....Everett  
 Sp, Phar.....4305 15th Av NE  
 Hunt, Thomas Alvin.....Kent  
 Unc, CE.....1408 E 42d St  
 Hunter, Basil Leslie.....Edmonds  
 UD, ChE.....Edmonds, Rt 1—E11 4258  
 Hunting, Lloyd Elmer.....Bellingham  
 LD, ME.....Lander Hall, Campus—N 60  
 Huntington, Le Roy W.....Hoquiam  
 LD, For.....4325 2nd Av NE—N 2498  
 Huntington, Walter.....Hoquiam  
 LD, For.....4226 Sunnyside Av  
 Huntley, Deane Elva.....Spokane  
 LD, FA.....4540 Univ Blvd  
 Huntworth, John Willard.....Seattle  
 LD, Bus.....4817 Aurora Av—N 2709  
 Hurd, Evelyn Fratla.....Goldendale  
 LD, Sci.....Lewis Hall, Campus—N 162  
 Hurd, Henry S.....Cashmere  
 Sp, FA.....5243 19th Av NE—Ken 3064  
 Hurley, Doza.....Seattle  
 LD, LA.....416 E 71st St—Ken 814  
 Hurley, Douglas Chester.....Pecatorica, Ill  
 UD, Sci.....5038 Univ Blvd—Ken 496  
 Hurley, Gerald Victor.....Davenport  
 LD, Bus.....2120 E 47th St—Ken 1176  
 Hurley, Mary Dorothy.....Bellingham  
 LD, Sci.....1216 Univ Blvd—M 1508  
 Hurtt, Christopher Sterry.....Portland, Or  
 Unc, Bus.....5043 18th Av NE—Ken 980  
 Huse, Harry Charles.....Cheney  
 LD, Bus.....4747 14th Av NE—Ken 3376  
 Huseman, Walter G.....Ellsworth Kan  
 SC, Min  
 Hutchieson, Elwood.....Montesano  
 LD, LA.....4548 Univ Blvd—Ken 2934  
 Hutchins, Ezra Hubert.....Seattle  
 Unc, LA.....3356 8th Av NE—Ken 3050  
 Hutchins, John Ellsworth.....Spokane  
 LD, ME.....1205 E 45th St  
 Hutchinson, Archie L.....  
 .....4503 Univ Blvd—Ken 236  
 Hutchinson, William Harold.....Seattle  
 UD, LA.....4532 18th Av NE—Cap 1058  
 Hutchinson, Patricia.....  
 LD, Bus.....  
 Hutchinson, Robert P.....Hood River, Or  
 LD, CE.....4748 19th Av NE—Ken 601  
 Hutchinson, Ruby.....Mt Vernon  
 LD, Sci.....4703 18th Av NE—Ken 2826  
 Hutchinson, Zoe Buckley.....Seattle  
 LD, Sci.....515 Summit Av N—Cap 3806  
 Hyde, Clarence Freeman.....Oregon  
 Sp, Sci.....4019 15th Av NE—N 553  
 Hyde, Marguerite Roberta.....Kallispell, Mont  
 LD, Sci.....4728 7th Av NE  
 Hyman, Norton Beebe.....Seattle  
 LD, Bus.....3911 Whitman Av—N 2305  
 Hyndman, William L.....Spokane  
 Sp, Law.....4532 18th Av NE—Ken 2827  
 Ide, Wilson Glen.....Lake Forest Park  
 LD, ChE.....4503 Univ Blvd—Ken 236  
 Imus, Raymond McK.....Katama  
 UD, Jour.....4746 12th Av NE—Ken 3002  
 Indrikson, Emma.....Port Townsend  
 LD, Sci.....4338 11th Av NE—Ken 2501  
 Ingalls, Estelle M.....Portland, Or  
 UD, Ed.....5220 19th Av NE  
 Inglis, James Allon.....Seattle  
 Unc, EE.....104 E 43d St—N 3535  
 Inglis, Lloyd Lester.....Seattle  
 LD, Bus.....4301 2d Av NE—N 3535  
 Ingram, Irene.....Seattle  
 Sp, Bus.....1410 E 41st St  
 Ingram, Robert Morton.....Hoquiam  
 LD, EE.....5212 18th Av NE—Ken 887  
 Inkster, Harry.....Seattle  
 LD, Sci.....5225 18th Av NE—Ken 3281  
 Inman, Margaret Allen.....Seattle  
 LD, Bus.....1405 N 41st St—N 2514  
 Inouye, Isamu.....Tacoma  
 UD, EB.....4110 12th Av NE—N 3797  
 Inouye, Chohei.....Seattle  
 LD, LA.....1103 Jackson St—Rea 628  
 Inovie, Pablo.....Philippines  
 Unc, ME.....4000 14th Av NE—N 9  
 Instrella, Angel.....Philippines  
 LD, Ed.....1404 E 41st St  
 Irick, Ralph Waldo.....Seattle  
 LD, Bus.....5241 18th Av NE—Ken 2191  
 Irvin, Frieda Ruth.....Seattle  
 LD, Sci.....Lewis Hall, Campus—N 162

Irvine, W Robert.....Spokane  
 Unc, Bus.....2120 E 47th St—Ken 1176  
 Irvine, Walter M.....Seattle  
 Unc, EE.....4416 Fremont Av—N 1858  
 Irving, Lucille.....Raymond  
 Unc, LA.....4551 Univ Blvd—Ken 501  
 Irwin, Verne Blanche.....Okanogan  
 Unc, Bus.....4746 16th Av NE—Ken 401  
 Irwin, John Ivan.....Seattle  
 LD, Bus.....4227 14th Av NE—N 2109  
 Irwin, Mason.....Montesano  
 LD, EE.....4520 21st Av NE—Ken 2600  
 Isaacson, Henry C.....Seattle  
 Unc, ME.....1702 Belmont Av—E 6481  
 Ishii, Mamane.....Japan  
 Grad.....1229 E Spruce St—E 1057  
 Ishiyama, Risaku.....Seattle  
 Unc, Sci.....211 11th Av  
 Itkin, Samuel.....Rusala  
 Sp, Sci.....3804 10th Av NE  
 Iverson, Victor M.....Seattle  
 Unc, Bus.....1822 3rd Av N  
 Ives, Alice Annette.....Seattle  
 LD, LA.....1222 Summit Av—E 1009  
 Ives, Mae Elizabeth.....Warrensburg, Mo  
 Sp, Bus.....425 People's Sv Bldg—M 4977  
 Ives, Byron Griswold.....Seattle  
 LD, Bus.....3802 Laurel Av—Ken 2188  
 Ivey, Thomas James.....Seattle  
 LD, Bus.....1729 Boylston Av—E 989  
 Ivy, Eugene D.....Davenport  
 1st, Law.....1005 E 47th St—Ken 2431

Jackson, Elmer.....Tacoma  
 Unc, EE.....1407 E 56th St—Ken 2660  
 Jackson, Lowell B.....Ferndale  
 LD, EE.....4111 Evanston Av—N 1205  
 Jackson, Mildred Helen.....Seattle  
 UD, Bus.....4504 18th Av NE—Ken 146  
 Jacobs, Bryan Maxwell.....Seattle  
 LD, ME.....1718 26th Av N  
 Jacobs, Dorothy.....Lewiston, Ida  
 LD, LA.....4238 12th Av NE  
 Jacobs, Harold Arnatt.....Seattle  
 LD, ME.....1718 26th Av N  
 Jacobs, Jerome Bernard.....  
 LD, Sci.....  
 Jacobsen, A E.....  
 Sp, EE.....  
 Jacobsen, Carl K.....Ellensburg  
 LD, Bus.....4784 Univ Blvd—Ken 598  
 Jacobsen, Olav.....Seattle  
 Sp, CE.....4421 4th Av NE  
 Jacobsen, Paul M.....Ellensburg  
 LD, CE.....5038 Univ Blvd—Ken 496  
 James, Gordon Maxwell.....Tacoma  
 LD, Bus.....4550 18th Av NE—Ken 3072  
 James, Harry Spencer.....Seattle  
 Sp, FA.....1288 Univ Blvd—E 8388  
 James, Marjorie.....Tacoma  
 UD, Sci.....4714 10th Av NE—Ken 2761  
 James, Milton Carl.....Augusta, Me  
 LD, Fisheries.....4142 12th Av NE  
 James, Percy F.....Tacoma  
 LD, EE.....4120 E 47th St  
 James, Thurston.....Seattle  
 LD, Bus.....6231 Woodlawn Av  
 Jamieson, Cecil B.....Lyndon  
 UD, Bus.....5038 Univ Blvd—Ken 496  
 Jane, Gwendolen.....Portland, Or  
 Unc, Sci.....3760 14th Av NE  
 Janeck, Kenneth Newcomb.....Yakima  
 LD, Bus.....4503 Univ Blvd—Ken 230  
 Janeck, Louis Fechter.....Yakima  
 LD, Bus.....1906 E 45th St—Ken 2171  
 Janeck, Marion Delfarna.....Yakima  
 LD, LA.....4548 Univ Blvd—Ken 20

Janeck, Roland Frederick.....Yakima  
 LD, Bus.....1805 E 47th St—Ken 2431  
 Janeway, Harold Lynn.....Edmonds  
 LD, EE.....1820 N 52d St—N 3769  
 Janson, Roderick.....Seattle  
 LD, Sci.....231 29th St W—E 8185  
 January, Gladys.....Corvallis, Or  
 Unc, FA  
 Jaqueth, Herbert H.....Kallispel, Mont  
 UD, CB.....4522 18th Av NE—Ken 3861  
 Jared, Ewart Othello.....Seattle  
 Unc, Sci.....5038 Univ Blvd—Ken 496  
 Jarvis, Norman Donald.....Pt Townsend  
 LD, Sci.....5012 10th Av NE—Ken 3227  
 Jarvis, Zeta Mary.....Seattle  
 LD, LA.....1409 8th Av N—QA 1933  
 Jasper, Martin William.....Kellogg, Ida  
 LD, CE.....4525 12th Av NE—Ken 469  
 Jasperson, Agnes Grace.....Seattle  
 UD, Ed.....3403 W 68th St—Bal 020  
 Jayne, Sadie M.....Idaho Falls, Ida  
 LD, Sci.....4228 10th Av NE—N 4004  
 Jebian, Leon.....Seattle  
 Unc, CE.....YMCA, Campus—N 2634  
 Jee, Shin-hong Howard.....China  
 Unc, CE.....711 King St—M 5174  
 Jellison, Arthur James.....Baker  
 LD, For.....4305 15th Av NE  
 Jenkins, Edward Harwood.....Fairbury  
 LD, Bus.....  
 Jenkins, Lucille Kathryn.....Portland, Or  
 LD, LA.....4547 18th Av NE—Ken 23  
 Jenkins, Margaret Atherton.....Seattle  
 LD, LA.....4231 12th Av NE—N 935  
 Jenne, Carl Frederick.....Coupeville  
 LD, Ed.....Lander Hall, Campus—N 60  
 Jenner, Earle Bagley.....Seattle  
 LD, ME.....822 2d Av N—QA 1327  
 Jenness, J Carroll.....Weiser, Ida  
 LD, Bus.....Savoy Hotel—Ral 604  
 Jensen, Alfred.....Seattle  
 Sp, Engr.....4023 14th Av NE—N 1630  
 Jensen, Kai.....Seattle  
 LD, LA.....3726 Wallingford Av—N 2669  
 Jensen, Leo C.....Black Diamond  
 LD, CE.....3714 Corliss Av—N—N 2782  
 Jensen, Maurice Leon.....Walla Walla  
 Unc, Bus.....4319 12th Av NE—Ken 3990  
 Jenstead, S E.....  
 Sp, EE.....  
 Jepsen, Clifford Waldon.....Seattle  
 LD, Sci.....1616 E 47th St—Ken 149  
 Jerauld, Ruth Katherine.....Seattle  
 LD, LA.....1816 1st Av W—QA 797  
 Jergensen, Mary E.....Warm Spring, Mont  
 LD, Bus.....4702 9th Av NE—Ken 8207  
 Jernstrom, Rudolph Leon.....Seattle  
 LD, FA.....5410 Keystone Pl  
 Jerome, Vincent Barnes.....La Conner  
 LD, Ed.....5217 12th Av NE  
 Jertson, Edith Viola.....Charleston  
 UD, FA.....4746 21st Av NE  
 Jessup, Corra M.....Bremerton  
 LD, LA.....6823 Univ Blvd—Ken 210  
 Jessup, John Henry.....Bremerton  
 LD, LA.....4524 19th Av NE—Ken 570  
 Jewett, Juliet Louise.....Seattle  
 UD, Sci.....935 Univ Blvd—E 6898  
 Jewett, Velma.....Seattle  
 LD, LA.....4711 11th Av NE  
 Joder, Nita.....Seattle  
 LD, FA.....655 E 45th St—N 3206  
 Joder, Ralph Mahlon.....Alliance, Neb  
 Unc, Bus.....655 E 45th St—N 3206  
 Joelsohn, Zerline.....Seattle  
 LD, LA.....935 14th Av—E 6386  
 John, Eugene Allen.....Seattle  
 LD, Bus.....3233 Cascadia Av—Ral 897R

- Johns, Cyrena .....Tacoma  
 LD, LA.....4547 19th Av NE—Ken 23  
 Johnson, Esther .....Dockton  
 LD, Ed.....4523 Greenwood Av—N 3070  
 Johnson, Arnold Waldemar.....Seattle  
 LD, Bus.....3830 Stone Way  
 Johnson, Beatrice H.....Yakima  
 LD, Sci.....5240 20th Av NE—Ken 3399  
 Johnson, Beatrice Winifred.....Seattle  
 Unc, Ed.....7231 4th Av NW—Bal 997  
 Johnson, Carl B.....Seattle  
 Unc, CE.....1718 Summit Av—E 3393  
 Johnson, Charles Christy .....Tacoma  
 Unc, Sci.....4735 21st Av NE  
 Johnson, Charles H.....Seattle  
 Grad.....Seattle—QA 4062  
 Johnson, Clifford E.....Tacoma  
 LD, EE.....4241 14th Av NE  
 Johnson, C Morrison.....Tacoma  
 LD, EE.....617 N 20th St—E 5988  
 Johnson, G Adolph .....Lake Bay  
 LD, Min .....YMCA  
 Johnson, Gustaf A.....Lake Bay  
 Sp, Min .....YMCA  
 Johnson, O Esther .....Winslow  
 Unc, Ed.....5550 33d Av NE—Ken 1850  
 Johnson, Esther Victoria.....St Paul, Minn  
 3d, Law.....4714 Univ Blvd—Ken 2253  
 Johnson, Evelyn Alice.....Seattle  
 LD, LA.....171 McGraw St—QA 1040  
 Johnson, Florence A.....Puyallup  
 UD, Sci.....9048 Highland Drive—Cap 2548  
 Johnson, Florence Elizabeth.....Bellingham  
 LD, LA.....7027 14th Av NW  
 Johnson, Genevieve Dorothy.....Seattle  
 LD, LA.....171 McGraw St  
 Johnson, George Childs.....Seattle  
 Sp, Bus.....919 24th Av N—E 3927  
 Johnson, Gladys .....Tacoma  
 Unc, LA.....Lewis Hall, Campus—N 162  
 Johnson, Halton Julius.....Mt Vernon  
 UD, ME.....4504 16th Av NE—Ken 647  
 Johnson, Hazel.....Pleasant Valley, Or  
 Unc, Sci.....20th & Yessler Way—Bea 77  
 Johnson, Hilding .....Seattle  
 LD, EE.....517 Minor Av N—Cap 3017  
 Johnson, Howard Alfred.....Pearson  
 Unc, ME.....4232 Corliss Av—N 563  
 Johnson, John L.....Coeur d' Alene, Ida  
 LD, Bus.....4749 Brooklyn Av  
 Johnson, Kathleen .....Seattle  
 LD, Phar.....4515 16th Av NE—Ken 716  
 Johnson, Kenneth Alexander.....Seattle  
 LD, ChE.....3945 15th Av NE  
 Johnson, Leonard F .....Seattle  
 LD, LA.....2442 5th Av W  
 Johnson, Martha Eleanor .....Yakima  
 LD, LA.....5218 Univ Blvd—Ken 3212  
 Johnson, Martin W.....Silvana  
 LD, FA.....Lander Hall, Campus—N 60  
 Johnson, Minnie C.....Weston, Or  
 Unc, LA.....4019 4th Av NE  
 Johnson, Ofell H.....Seattle  
 2d, Law.....904 N 48th St—N 1471  
 Johnson, Oscar Melvin .....Redmond  
 LD, Bus.....181 1st Av N  
 Johnson, Oscar.....Buhl, Ida  
 LD, Bus.....4704 18th Av NE—Ken 541  
 Johnson, Raymond Lokke .....Tacoma  
 Unc, LA.....1314 Thomas St  
 Johnson, Robert A.....Seattle  
 LD, Bus.....1319 29th Av S  
 Johnson, Rolf Morris.....White Salmon  
 Unc, EE.....5042 18th Av NE  
 Johnson, Theodore Andrew.....Seattle  
 Unc, Bus.....907 E Howell St—E 1666  
 Johnson, Venus June.....Seattle  
 LD, Sci.....707 Univ Blvd  
 Johnson, Victor Hugo.....Olympia  
 Unc, EE.....7527 Sunnyside Av  
 Johnson, Victor Martin.....Spokane  
 LD, Bus.....4550 18th Av NE—Ken 3072  
 Johnson, Walter Emmanuel.....Spokane  
 Unc, Bus.....4540 15th Av NE  
 Johnson, Ursula .....Seattle  
 LD, LA.....6523 25th Av NW  
 Johnson, William E.....Selah  
 UD, Bus.....5015 Univ Blvd—Ken 3169  
 Johnson, Wesley Ray.....Bellingham  
 LD, ME.....705 Broadway—E11 38  
 Johnston, Hazel Blanch.....Seattle  
 UD, Bus.....5050 6th Av NE—Ken 3501  
 Johnston, Margaret Hayes.....Portland Or  
 LD, LA.....4547 Univ Blvd  
 Johnston, Rae Lincoln.....Seattle  
 LD, ME.....1407 31st Av—E 5460  
 Johnston, Theresa M.....Seattle  
 UD, LA.....4738 Brooklyn Av—Ken 1016  
 Jolly, Esther Nydia.....Seattle  
 LD, LA.....111 22d Av N  
 Jones, Almor Clyde .....Seattle  
 Unc, Sci.....5253 18th Av NE  
 Jones, Carroll D.....Spokane  
 LD, FA.....4551 Univ Blvd—Ken 501  
 Jones, Clare T.....Seattle  
 LD, Sci.....4706 W Eddy St—W 532W  
 Jones, Dorothy Alice.....Grandview  
 LD, LA.....1607 N 51st St—N 2052  
 Jones, Edna M .....Seattle  
 Unc, FA.....1407 E 45th St  
 Jones, Elbert Charles.....Weiser, Ida  
 LD, ME.....5719 27th Av NE—Ken 3307  
 Jones, Evan Melvin .....Sumner  
 LD, LA.....2206 N 57th St  
 Jones, Faith Bryant.....Seattle  
 Grad.....5234 14th Av NE—Ken 3046  
 Jones, Grace E.....Portland, Or  
 LD, LA.....1804 E 50th St—Ken 802  
 Jones, Hazel Elizabeth.....Yakima  
 UD, LA.....4535 18th Av NE—Ken 1429  
 Jones, Howard .....Okanogan  
 LD, Bus.....5042 18th Av NE—Ken 1740  
 Jones, Margaret Bell.....Victoria, B C  
 LD, LA.....5525 16th Av NE  
 Jones, Margaret S .....Bellingham  
 UD, Ed.....4546 18th Av NE  
 Jones, Marian Elizabeth.....Hartline  
 LD, Bus.....4534 Univ Blvd—Ken 20  
 Jones, Marjorie .....Seattle  
 UD, LA.....2005 Franklin Av—Cap 3940  
 Jones, Marshall Henry.....Everett  
 LD, Sci.....3944 14th Av NE—N 2330  
 Jones, Paul Goon .....Bremerton  
 LD, LA.....409 Naval Av—Bremerton  
 Jones, Ray A.....Seattle  
 LD, Sci.....213 W Comstock St—QA 954  
 Jones, Sidney .....Chehalis  
 LD, For.....3831 11th Av NE  
 Jones, Simeon .....Puyallup  
 LD, ChE.....4549 15th Av NE—Ken 475  
 Jones, Victor N J.....Seattle  
 LD, FA.....735 E 77th St—Bal 3296  
 Jones, Walter Richard.....Seattle  
 LD, ME.....7034 Sycamore Av—Bal 2792  
 Jones, John William.....Seattle  
 LD, Bus.....3830 Ashworth Av  
 Jones, William James.....Seattle  
 Sp, Bus.....6751 22d Av NW  
 Jones, Worth W.....Spokane  
 LD, ChE.....YMCA  
 Jones, Zenith Watkins.....Seattle  
 UD, LA.....4542 Brooklyn Av—Ken 881  
 Jordan, Louis DeVaut.....Seattle  
 Unc, Bus.....731 18th Av N—E 3057  
 Jordan, Frances Mayes.....Columbus  
 Unc, LA.....5240 Univ Blvd—Ken 1069

Jordan, Ruth ..... Columbus  
LD, LA.....5249 Univ Blvd—Ken 1609  
Jorgensen, Marguerite ..... Seattle  
UD, Ed.....327 Belmont Av N—Cap 2231  
Jorgensen, Hilmer George.....Spokane  
LD, Sci.....3900 14th Av NE—N 2339  
Joseph, Helen Letitia ..... Seattle  
Unc, FA.....3923 Burke Av  
Jost, Caroline Adella.....Seattle  
Unc, FA.....1423 21st Av—E 3275  
Joubert, Julian Paul.....Enumclaw  
LD, Sci.....4235 10th Av NE—N 1995  
Joy, Anderson Stickner.....Seattle  
LD, ME.....3207 Fuhrman Av—Cap 803  
Joy, Arnyess Ione.....Seattle  
LD, LA.....2305 E 40th St—Ken 2159  
Joyce, Catharine Alice.....Seattle  
LD, Ed.....2315 N 65th St—Ken 1452  
Juan, de Leon, Teofilo ..... Philippine Is  
UD, Bus.....4115 15th Av NE  
Juan, T Urbi ..... Philippine Is  
Unc, EE.....1401 E 41st St  
Judd, Elsie Gillis.....Seattle  
UD, Sci.....1628 Bellevue Av  
Judd, Sylvester Nell ..... Seattle  
LD, Bus.....1937 11th Av N—Cap 3806  
Judges, Frederick Byron.....Spokane  
LD, LA.....4550 18th Av NE—Ken 3072  
Jurgensohn, Eva Ethel.....Seattle  
UD, Sci.....1405 E 56th St—Ken 2470  
Jury, Genevieve Elizabeth.....Seattle  
Unc, Bus.....116 W 51st St  
Juvet, O Mark.....Ferndale  
LD, Min.....4045 Brooklyn Av  
Juvet, Noel ..... Ferndale  
Unc, Phar.....4045 Brooklyn Av  
  
Kaiser, Gladys Guernsey ..... Seattle  
LD, LA.....2114 5th Av W—E11 1823  
Kalb, Charles John.....Spokane  
LD, Bus.....4508 Univ Blvd—Ken 291  
Kalbus, Helen ..... Chehalis  
UD, Bus.....4518 Univ Blvd—Ken 3216  
Kallgren, Philip ..... Hall  
Unc, EE.....1906 E 45th St—Ken 2171  
Kamholz, W Elmer.....Centerville  
LD, EE.....3143 Eastlake Av  
Kamm, Charles J.....Lynden  
LD, Bus.....4616 21st Av NE—Ken 490  
Kammeyer, Irene.....Libby, Mont  
LD, Ed.....5214 Univ Blvd—Ken 844  
Kane, Arthur T.....Edison  
LD, ME.....4134 Brooklyn Av—N 1108  
Kane, Gertrude ..... Seattle  
Unc, FA.....615 Boren Av—E11 4292W  
Kane, Sadie Frances.....Seattle  
LD, LA.....615 Boren Av—E11 4292W  
Kangley, Lucy.....Zenith  
LD, LA.....Zenith  
Kasberg, Mary Elizabeth.....Walla Walla  
LD, LA.....4543 Univ Blvd—Ken 639  
Kaseberg, Frankie ..... Walla Walla  
Unc, Ed.....4518 Univ Blvd  
Kasuga, Yashi ..... Japan  
Unc, Ed.....158 11th Av  
Kath, Henry Louis.....Seattle  
UD, Phar.....85th & 32d Av  
Kaufer, Leonard James.....Seattle  
LD, Bus.....2411 Boylston Av N—Cap 3690  
Kaufman, Edith Rachel.....Bellingham  
UD, LA.....2117 E 55th St—Ken 2333  
Kearney, Harold.....Olympia  
Unc, Bus.....2120 E 47th St—Ken 1176  
Keator, Frederick William Jr.....Tacoma  
UD, ME.....4520 21st Av NE—Ken 2600  
Keeler, George Hammond.....Squim  
LD, Bus.....4755 Brooklyn Av—Ken 766

Keeler, Ralph B ..... Portland, Or  
LD, Sci.....4319 12th Av NE  
Keenc, Elmer Lester ..... Yakima  
LD, EE.....4739 19th Av NE—Ken 2208  
Keenc, Mildred Y (Mrs) ..... Seattle  
Sp, Ed.....1408 E 65th—Ken 1090  
Kecton, Brilliant ..... Edmonds  
LD, Sci.....4514 18th Av NE—Ken 188  
Kelfer, L Beecher.....Wenatch  
LD, ChE.....4704 18th Av NE—Ken 541  
Keith, Beverly O ..... Missoula, Mont  
Unc, Bus.....5212 20th Av NE  
Keith, Emily H.....Seattle  
UD, LA.....1629 35th Av—E 2984  
Kellam, K Vivian.....Seattle  
Unc, Ed.....6310 Meridian Av—Ken 948  
Kelleher, John Emmett ..... Seattle  
LD, LA.....626 13th Av N  
Keller, Hubert Walter.....Coeur d' Alene  
Sp, ME.....1616 E 47th St—Ken 149  
Keller, Marlon Mildred ..... Spokane  
LD, Sci.....4742 18th Av NE  
Kellett, Janette G.....Seattle  
LD, Sci.....1800 E Columbia St—E 6215  
Kelley, Barbara Rosella.....Seattle  
LD, Bus.....2604 E Lake Av—Cap 1438  
Kelley, Cecil Starr.....Lake Ballinger  
LD, ChE.....Gen Del  
Kelley, Francis Joseph.....Seattle  
UD, ChE.....730 Pine St—E11 904  
Kelley, Gertrude B ..... Seattle  
LD, FA.....2300 N 88th St  
Kelley, Martha Eugenie.....Lake Ballinger  
LD, LA.....Gen Del, Seattle  
Kellner, Chester Rudolph.....Seattle  
LD, Sci.....5026 15th Av NE—Ken 1687  
Kellner, Frank Everts.....Seattle  
UD, Sci.....5026 15th Av NE—Ken 1687  
Kellner, Herbert H.....Coeur d' Alene, Ida  
Unc, Bus.....5500 Brooklyn Av  
Kellogg, Avis Marguerite ..... Seattle  
LD, Sci.....6549 19th Av NE  
Kellogg, O Chester.....Hoquiam  
LD, Bus.....4532 18th Av NE—Ken 2327  
Kellogg, David E ..... Seattle  
Sp, Bus.....2007 arren Av  
Kellogg, Doris Jane.....Portland, Or  
LD, Bus.....4715 18th Av NE—Ken 888  
Kellogg, George Albert ..... Seattle  
LD, Ed.....6549 19th Av NE  
Kellogg, Harold E.....Seattle  
LD, Bus.....6549 19th Av NE  
Kellogg, B Howard.....Seattle  
LD, Sci.....4616 21st Av NE—Ken 490  
Kellogg, Jeanette ..... Seattle  
Unc, FA.....2007 Warren Av  
Kellogg, Mary P ..... Seattle  
LD, Ed.....1906 N 44th St—N 2078  
Kellogg, Jessie I.....Puyallup  
LD, Bus.....4723 21st Av NE  
Kelly, Ernest Paul.....Osborne, Ida  
Sp, Min.....3831 11th Av NE—N 3638  
Kelly, Raphael Lester.....Tacoma  
Sp, Bus.....1014 Sylvester Pl—Ken 1528  
Kelly, Marie Elizabeth.....Seattle  
Unc, FA.....726 20th Av N  
Kelly, Ruth Haslett ..... Tacoma  
UD, Ed.....5625 14th Av NE  
Kelso, Kenneth Kay.....Tacoma  
Unc, LA.....4550 18th Av NE—Ken 3072  
Keltner, Belle ..... Seattle  
LD, FA.....420 N 49th St—N 1112  
Kemp, James Ward.....Hazelwood  
LD, EE.....432 Burke Blvd—M 3493  
Kendall, Evelyn Gertrude.....Troutdale, Or  
LD, Sci.....2333 N 57th St—Ken 4170  
Kennedy, Arthur Burwood.....Tacoma  
Unc, Bus.....4535 10th Av NE..Ken 4170

- Kennedy, Doreen.....Seattle  
LD, Bus.....4524 Bagley Av
- Kennett, John Joseph.....Seattle  
LD, LA.....5720 Univ Blvd
- Kenney, Joel M.....Seattle  
LD, CE.....1116 James St—M 2090
- Kent, Roland E.....Sumner  
Unc, EE
- Kenyon, Frank Allen.....Seattle  
LD, Bus.....4523 Corliss Av—N 1017
- Kenyon, George Dewey.....Seattle  
LD, Bus.....3301 Beacon Av—Bea 3229
- Kenyon, Harry Richard.....Lind  
LD, EE.....Campus Barracks
- Keep, Karl.....Seattle  
LD, CE.....6515 24th Av NW
- Kerns, Josephine.....Parkman, Wyo  
Unc, Bus.....4502 20th Av NE
- Kerr, Grace.....Seattle  
LD, FA.....5260 18th Av NE
- Kerr, Hallis E.....Mt Vernon  
LD, EE.....1020 E Denny Way
- Kerry, Walter James.....Seattle  
LD, Bus.....921 19th Av N—E 1784
- Kerschner, Vernon Algin.....Seattle  
LD, EE.....6043 26th Av NE
- Kershaw, W Earnest.....Yakima  
UD, LA.....1605 E 45th St—Ken 2431
- Kershaw, Ruth.....Yakima  
LD, LA.....5703 18th Av NE
- Kessinger, Jennie E.....Seattle  
LD, Ed.....2706 11th Av N—Cap 2387
- Ketcham, Ernest James.....Seattle  
LD, Bus.....4532 18th Av NE—Ken 2827
- Ketcham, Laura.....Seattle  
LD, LA.....4504 18th Av NE—Ken 146
- Ketchum, Florence.....Seattle  
Sp, Sci.....1549 13th Av S—Bea 651
- Ketchum, William Rabun.....Savannah, Ga  
LD, Bus.....YMCA, Campus—N 2634
- Kettells, Claud Eugene.....Seattle  
LD, LA.....1409 N 41st St
- Keyes, Arthur C.....Seattle  
LD, Bus.....4532 18th Av NE—Ken 2827
- Keyes, Chauncey Carlton.....Anacortes  
LD, Bus.....Lander Hall, Campus—N 60
- Keyes, Roswell P.....Bellingham  
LD, Sci.....5535 31st Av NE—Ken 190
- Kidston, Waller Nelson.....Seattle  
Unc, FA.....610 Olympic Pl—QA 1487
- Kidwell, Francis Elmer.....Seattle  
LD, LA.....4504 16th Av NE—Ken 647
- Kieburdt, Harold.....Seattle  
LD, EE.....197 27th Av—E 2184
- Kief, Katherine Poe.....Mountain Home, Ida  
UD, LA.....5041½ 22d Av NE—Ken 1085
- Kiehl, Miriam.....Seattle  
Unc, Bus.....421 W Galer St—QA 1188
- Kienhliz, Leon E.....Spokane  
Unc, Sci.....4743 10th Av NE
- Kilgour, (Mrs) Almee.....Seattle  
LD, LA.....6204 20th Av NE
- Kilgore, Owen.....Spokane  
UD, LA.....6204 20th Av NE
- Kimball, Isabel.....Anacosta, Mont  
LD, Ed.....4746 21st Av NE
- Kimple, Emily Belle.....Seattle  
LD, Sci.....1113 E Thomas—Cap 1837
- Kincaid, Frederick M.....Seattle  
1st, Law.....2104 Dexter Av
- King, Corinne Emma.....Ketchikan, Alaska  
LD, LA.....2330 Boylston Av N—Cap 717
- King, Dorothy.....Puyallup  
LD, Sci.....4354 8th Av NE—N 4075
- King, Edgar Earl.....Seattle  
LD, Bus.....308 Dexter Av—E11 2201R
- King, Margaret Elizabeth.....Seattle  
LD, LA.....2443 Harvard Av N—Cap 3406
- King, Orpha Margaret.....Seattle  
Unc, LA.....6518 1st Av NW—Bal 2844
- King, Ottis Schley.....Seattle  
LD, EE.....4067 1st Av NE—N 1595
- King, Sarah Phlema.....Portland, Or  
Unc, LA.....4710 Univ Blvd—Ken 1857
- King, William Arthur.....Seattle  
Unc, LA.....5010 18th Av NE—Ken 792
- King, William Gregory.....Seattle  
LD, Bus.....4520 21st Av NE—Ken 2600
- Kingsberry, Henry W.....Newport, Maine  
LD, LA.....4704 18th Av NE
- Kingsbury, Milford K.....Seattle  
LD, LA.....1811 N 46th St—N 1955
- Kingsley, Frances.....Portland, Or  
LD, Bus.....4543 Univ Blvd—Ken 650
- Kinleyside, Antoinette.....Lakeport, Cal  
Unc, LA.....2388 N Broadway—Cap 2695
- Kinnear, John Amos.....Seattle  
Sp, Bus.....120 Thomas St—QA 1037
- Kipp, Letha Julia.....Seattle  
Unc, Ed.....2114 Kilbourne St
- Kipp, Pearl Velma.....Seattle  
LD, Sci.....2112 Kilbourne St
- Kirby, Harold Lewis.....Harve, Mont  
Unc, ME.....4503 Univ Blvd—Ken 263
- Kirk, De Lonto Mae.....Seattle  
LD, LA.....6105 10th Av NE—Ken 2510
- Kirkbride, James William.....Tacoma  
LD, Bus.....5014 18th Av NE—Ken 1792
- Kirkham, Elva.....Tacoma  
LD, LA.....4714 19th Av NE—Ken 2751
- Kirkham, Virgil R I.....Ritzville  
UD, Sci.....4125 Brooklyn Av—N 39
- Kirkwood, John Erdmann.....Seattle  
Unc, Bus.....5030 Univ Blvd
- Kitamura, Morimitsu.....Japan  
UD, LA.....4110 12th Av NE—N 3707
- Klaus, Charles Elwell.....Seattle  
LD, EE.....3244 W 64th St—Bal 358
- Kleinberg, Alfred.....Seattle  
Unc, Bus.....627 14th Av N—Cap 3442
- Kleinberg, Lester.....Seattle  
LD, Bus.....627 14th Av N—Cap 3442
- Kleinschmidt, Grace.....Seattle  
Unc, Bus.....3214 E Mercer St—E 7029
- Kleist, Walter Albert.....Tacoma  
UD, EE.....4504 16th Av NE—Ken 647
- Klenck, Herman Adolphe.....Libby, Mont  
LD, LA.....Lander Hall, Campus—N 60
- Kline, Charles Weldon.....Portland, Or  
UD, For.....4554 16th Av NE—Ken 304
- Klingensmith, Clement E.....Yakima  
LD, Sci.....4325 2d Av NE—N 2498
- Klocker, Rosetta Pink.....Port Townsend  
UD, FA.....4540 Univ Blvd—Ken 1092
- Klotz, Leo.....Seattle  
LD, ChE.....4034 38th Av S
- Klussman, Helen.....Spokane  
LD, Bus.....4714 20th Av NE—Ken 1607
- Knapp, Frances Eva.....Lynden  
UD, LA.....4530 Univ Blvd—Ken 983
- Knapp, Eugene H.....Davenport  
LD, Bus.....1605 E 47th St—Ken 84
- Knapp, Malcolm F.....Syracuse, N Y  
Grad.....1616 E 47th St—Ken 149
- Knickrehm, Marle M.....Yakima  
LD, Sci.....4738 15th Av NE—Ken 2535
- Knight, T Spencer.....Lewiston, Ida  
LD, Bus.....4203 11th Av NE—N 2364
- Knips, H George.....Lismore, Minn  
LD, Bus.....4504 16th Av NE—Ken 647
- Knott, Emma Louise.....Seattle  
LD, FA.....Laurelhurst—Ken 2157
- Knowlton, Fred C.....Seattle  
LD, Bus.....4503 Univ Blvd—Ken 236
- Knowlton, Helen.....Caldwell, Ida  
LD, Bus.....4580 Univ Blvd—Ken 983

Knox, Robert W.....	Anaconda, Mont	Kronfield, Harry.....	Seattle
LD, CE.....	3449 Florence Ct	UD, ChE.....	212 31st Av
Knudsen, Einar Mangnus.....	Seattle	Kronschnable, Florence E.....	Seattle
LD, Bus.....	4710 2d Av NE—N 3917	Unc,.....	4311 15th Av NE—Ken 2710
Knudsen, Gertrude.....	Seattle	Krueger, Karl F.....	Seattle
LD, LA.....	7025 25th Av NE—Bal 2034	LD, Bus.....	516 Union Blvd
Knudson, Roy Green.....	Grovard, Alberta	Krull, Louis Jr.....	Hiquiam
LD, Min.....	4550 18th Av NE—Ken 3072	LD, Phar.....	Terry Hall, Campus—N 60
Knuppe, Lyman M.....	Fairbanks, Alaska	Kuebler, Dorothy Ada.....	Seattle
LD, Min.....	2004 E Union St	LD, Sci.....	3504 Frink Blvd—Bea 3054
Knuppenberg, Irva Caryl.....	Seattle	Kuehn, W Sherwood.....	Helena, Mont
LD, Bus.....	4102 Meridian Av—N 1084	LD, Bus.....	1634 Palm Av—W 492J
Kobagin, alter M.....	Yakima	Kuehnert, Jasper Frank.....	Seattle
LD, Bus.....	1605 E 47th St	LD, ME.....	1722 E Cherry St—E 3641
Kobayashi, Kitekichi.....	Japan	Kuhn, Charles Fred.....	Seattle
UD, Bus.....	214 8th Av S—E11 4979	LD, Sci.....	320 Summit Av N—Cap 576
Kobler, Anna H.....	Austria	Kuhn, Jessie.....	Seattle
LD, Ed.....	Clark Hall, Campus—N 262	LD, Sci.....	4513 14th Av NE
Koenig, John.....	Nisqually	Kuhn, Leon S.....	Colfax
LD, Bus.....	Campus Barracks	LD, Bus.....	4704 18th Av NE
Koepke, Carolyn.....	Athens, Or	Kuhnhausen, Victor.....	Lewis
LD, LA.....	4518 19th Av NE—Ken 2564	LD, Min.....	4740 14th Av
Kohler, Kenneth E.....	Seattle	Kuhns, Jesse De Witt Jr.....	Olympia
LD, Bus.....	7525 1st Av NE	LD, ME.....	Lander Hall, Campus—N 60
Kolmitz, Isabelle.....	Seattle	Kullberg, LeRoy George.....	Seattle
Sp, LA.....	552 16th Av—E 6875	Unc, FA.....	1849 Hamlin St—E 4091
Kolstad, Paul.....	Seattle	Kumblad, Olga.....	Auburn
LD, Bus.....	2507 4th Av N	Unc, FA.....	812 E 43d St
Kongste, Edward.....	Port Angeles	Kumblad, William F.....	Auburn
LD, Bus.....	4519 8th Av NE—Ken 2055	LD, EE.....	Seattle
Kopstein, Ethel.....	Seattle	Kuntz, Olive.....	Seattle
Unc, Bus.....	1516 E Fir St—E 499	Grad.....	Homer Apts
Koren, Ralph William.....	Spokane	Kuuz, Sam W.....	Seattle
Sp, LA.....	5535 Univ Blvd—Ken 618	LD, EE.....	5th Av NE & 88th St
Kortmeyer, Bertha L.....	Mabton	Kunze, Helen.....	Stanwood
LD, LA.....	5819 Univ Blvd	LD, LA.....	4732 21st Av NE—Ken 119
Koshiyama, William M.....	Japan	Kuwahara, Tosaku.....	Seattle
Grad.....	913 Washington St	Unc, Sci.....	4110 12th Av NE
Kracover, Bella.....	Seattle	Kuykendall, M Lorraine.....	Seattle
UD, Phar.....	939 16th Av N—E 6834	Unc, Law.....	210 Belmont Av N—Cap 863
Kracover, Rose.....	Seattle	Kwok, Ping-Chui.....	China
LD, Bus.....	939 16th Av N—E 6834	Unc, Bus.....	4229 10th Av NE
Krafft, E T Gertrude.....	Seattle	Kwok, Tak-Wa.....	China
Grad.....	4705 16th Av NE—Ken 98	UD, LA.....	4528 Brooklyn Av—Ken 27
Kramer, Karl Werner.....	Seattle	Kwok, Yew-Khun.....	China
LD, ChE.....	4311 Brooklyn Av	LD, Bus.....	4229 10th Av NE
Krankels, Milda Caroline.....	Seattle	Kyd, S Margaret.....	Seattle
LD, LA.....	3632 35th Av W	UD, LA.....	3237 35th Av S—Ral 339J
Kraus, Arthur William.....	Auburn	Kyle, Matthew Dow.....	Seattle
LD, Bus.....	5212 18th Av NE—Ken 887	Unc, Bus.....	5212 18th Av NE—Ken 887
Krause, Jacqueline Wood.....	Seattle	Kylstra, John.....	Yakima
Grad.....	1515 E Madison St—E 1813	LD, CE.....	4724 9th Av NE
Kraut, Samuel Berovitch.....	Russia		
LD, EE.....	3804 10th Av NE—N 1638		
Kravik, Alfhild Viola.....	Everett		
LD, LA.....	Clark Hall, Campus—N 262		
Kreidler, Lucy.....	Miles City, Mont		
Unc, Bus.....	4735 21st Av NE—Ken 946		
Krelsher, Harold Charles.....	Bremerton		
Sp, Min.....	Bremerton		
Kretsinger, John Many.....	Seattle		
LD, Bus.....	1253 23d Av N—E 5084		
Krichesky, Frieda G.....	Portland, Or		
LD, Sci.....	Seattle		
Kreiger, George Edward.....	Seattle		
LD, EE.....	418 W McGraw St—QA 1798		
Krieger, Bernice Rosemond.....	Portland, Or		
LD, LA.....	5220 19th Av NE—Ken 2082		
Kriegler, Joseph Edwin.....	Spokane		
LD, Bus.....	4504 16th Av NE—Ken 647		
Krohn, Violet Lucile.....	Seattle		
UD, LA.....	6238 Woodlawn Av—Ken 752		
Kromer, Sydney Harvey.....	Bolse Ida		
Unc, Bus.....	4549 15th Av NE—Ken 475		
Kronberg, Frank.....	Mt Angel		
LD, FA.....	4235 10th Av NE—N 1095		
Kronfield, David.....	Seattle		
UD, ChE.....	212 31st Av—E 3185		
		La Blance, Eve Elaine.....	Sand Point, Ida
		Unc, Bus.....	4010 15th Av NE—N 553
		Lafond, Elmer Joseph.....	Doty
		LD, Sci.....	5623 15th Av NE
		Lafrance, A Claude.....	Hamilton, Mont
		Unc, For.....	7th & Union, Wilhard Hotel
		Lahde, Walter.....	Aberdeen
		LD, ME.....	1205 E 45th St
		Laigo, Hilpol Pablo.....	Philippines
		Unc, Phar.....	YMCA—M 5208
		Lair, Catherine R.....	Seattle
		LD, LA.....	2407 Warren Av—QA 2073
		Laird, Cecil W.....	Seattle
		LD, Bus.....	1119 18th Av N—B 7432
		Lake, Florence Eunice.....	Port Townsend
		LD, Bus.....	4742 18th Av NE—Ken 306
		Lake, Rudolph Kennedy.....	Lake Charles, Ia
		LD, For.....	Terry Hall, Campus—N 60
		Lamb, George Emerson.....	Hogulam
		Unc, ME.....	5249 Univ Blvd
		Lamb, Grace Virginia.....	Seattle
		LD, FA.....	2007 E Lynn St—E 4778
		Lamberson, Frances Garner.....	Portland, Or
		UD, LA.....	6026 Univ Blvd—Ken 2480

- Lamberson, Sarah Buell.....Portland, Or  
LD, LA.....5026 Univ Blvd—Ken 2480
- Lamborn, Frances.....Olympia  
LD, LA.....4502 20th Av NE—Ken 085
- Lamoreaux, Boyd S.....Ferndale  
Unc, Bus
- Lamboreaux, Harry De Witt.....Burton  
LD, CE.....6442 Marshall Av—W 747M
- Lamoreaux, Paul.....Kettle Falls  
UD, Sci.....Lander Hall, Campus—N 60
- Lamp, Raymond Holmes.....Harrington  
LD, Bus.....1605 E 47th St—Ken 84
- Lampkin, Margaret Yarborough.....Castle Rock  
LD, LA.....Lewis Hall, Campus—N 162
- Lancaster, Glynn Kirk.....Seattle  
LD, Phar.....6008 10th Av NE—Ken 2688
- Lancaster, Paul Edward.....Camas  
LD, Sci.....4532 18th Av NE—Ken 2827
- Lance, Helen.....Seattle  
LD, Sci.....Clark Hall, Campus—N 262
- Land, Perry.....Seattle  
LD, Phar.....5038 Univ Blvd—Ken 490
- Landes, Kenneth K.....Seattle  
LD, Sci.....5208 14th Av NE—Ken 683
- Landy, Henry A.....Seattle  
Unc, Bus
- Landsburg, Robert A.....Seattle  
LD, ChE.....2909 Washington St—Dea 2065
- Lane, Elizabeth Hull.....Seattle  
Unc, Sci.....4714 Avalon Pl
- Lane, Lucille Adelle.....Seattle  
LD, LA.....4528 Eastern Av—N 2723
- Lane, Ola.....Seattle  
LD, Sci.....300 Lake Av S—Dea 1854
- Lane, Robert Frederick.....Seattle  
LD, Sci.....1416 E 41st St
- Laney, David Herren.....Spokane  
UD, ME.....4530 14th Av NE—Ken 555
- Lang, Miriam Christina.....Seattle  
LD, LA.....RFD, 2—Box 306
- Langs, Dana.....Coulee City  
UD, LA.....012 E 42d St
- Langlie, Arthur Bernard.....Charleston  
LD, LA.....Charleston
- Langich, Almee L.....Renton  
Sp, FA
- Lankenau, Walter Henry.....Seattle  
Sp, For.....4340 11th Av NE—Ken 813
- Lanning, Arnold Burdette.....Seattle  
Unc, Bus.....5212 18th Av NE—Ken 887
- Lansdon, Gladys Adella.....Boise, Ida  
LD, LA.....2012 E 45th St—Ken 2645
- Lansen, A Mae.....Seattle  
Grad.....2733 61st St—SW
- Lapsley, James R.....Tacoma  
SC, Min
- Lark, Bert Webb.....Seattle  
UD, Bus.....Lander Hall, Campus—N 60
- Larkin, Charles Earl.....Seattle  
LD, EE.....5213 12th Av NE—Ken 2152
- Larkin, Mae E.....Seattle  
Grad.....4518 16th Av NE
- La Roque, Rene.....Kellogg, Ida  
LD, For.....4755 Brooklyn Av—Ken 786
- Larac, Mona.....Plains, Mont  
LD, Bus.....Lewis Hall, Campus—N 162
- Larsen, Einar.....Tacoma  
Sp, Min.....4500 Univ Blvd—Ken 291
- Larsen, Josephine.....Seattle  
LD, Ed.....2312 N 59th St—Ken 1807
- Larsen, Laura M.....Seattle  
UD, Ed.....768 Bellevue Av—Cap 755
- Larsen, Leslie Einar.....Seattle  
Unc, Bus.....6532 4th Av NE—Ken 793
- Larsen, Walter Einar.....Port Townsend  
LD, CE.....4522 18th Av NE
- Larson, Agnes Lena.....Seattle  
LD, LA.....211 W Prospect St—QA 4340
- Larson, Edwin.....South Prairie  
LD, ChE.....4408 Bagley Av—N 1074
- Larson, Herbert Louis.....Tacoma  
LD, LA.....5235 Univ Blvd—Ken 618
- Larries, Guillermo L.....Seattle  
Unc, Sci.....404½ 5th Av
- Lasley, Allene M.....Seattle  
LD, Bus.....6822 16th Av NE
- Lathers, Olive Gladys.....Seattle  
Unc, LA.....W Seattle High School
- Latimer, Allan Wallace.....Seattle  
LD, Bus.....4503 Univ Blvd—Ken 230
- Latimer, Earl Hastings.....Seattle  
UD, EE.....4503 Univ Blvd—Ken 230
- Latimer, Walter Burnside.....Seattle  
UD, EE.....4503 Univ Blvd—Ken 236
- Latta, Susan.....Seattle  
LD, Sci.....3702 W Cloverdale St—W 844W
- Lau, Fooki-Tai.....China  
Sp, FA.....114½ 12th Av So
- Laudan, Fred P.....Seattle  
UD, CE.....4522 18th Av NE—Ken 3681
- Laudy, Henry Allen.....Everett  
Unc, EE.....Terry Hall, Campus—N 60
- Laue, Ewart Scotty.....Wapato  
Unc, LA.....4755 Brooklyn Av—Ken 766
- Laughon, Lawrence Kermit.....Davenport  
LD, Bus.....4223 15th Av NE—N 3376
- Laughlin, Raymond.....Ellensburg  
LD, Bus.....435 6th St N—Ken 2490
- Lauritz, Fritz A.....Buffalo, NY  
LD, For.....4525 15th Av NE
- La Vake, Russell Douglas.....Seattle  
LD, Bus.....715 Eastlake Av—Cap 329
- La Violette, Doris.....Bremerton  
LD, LA.....710 Pacific Av, Bremerton
- Lawless, Grace.....Seattle  
UD, Ed.....1910 10th Av W—QA 654
- Lawrence, Edna May.....Everson  
UD, LA.....Clark Hall, Campus—N 262
- Law Yow, Rose.....Seattle  
Unc, FA.....320 15th Av
- Laymance, A Bess.....Seattle  
LD, FA.....4536 9th NE—N 4430
- Lease, Howard Stiles.....Great Falls, Mont  
LD, Bus.....4506 Univ Blvd—Ken 201
- Leavitt, Darrell.....Sedro-Woolley  
Unc, Sci.....1906 E 45th St—Ken 2171
- Leavitt, Marion C.....Seattle  
UD, LA.....6403 Brooklyn Av—Ken 2301
- Leckenby, Dorathy.....Seattle  
LD, Sci.....1532 5th Av W—QA 2006
- Lee, Anna Marjorie.....Amber  
UD, LA.....Lewis Hall, Campus—N 162
- Lee, Artrudoo Lazenberry.....Seattle  
Unc, LA.....2065 E 52d St—Ken 2681
- Lee, Edith Chalcraft.....Seattle  
LD, LA.....4504 18th Av NE—Ken 146
- Lee, Fairman B.....Seattle  
UD, ME.....1217 6th Av W—QA 2128
- Lee, Frank A.....Seattle  
LD, Sci.....128 20th Av N
- Lee, Helen Rudy.....Albany, Or  
Grad.....2010 E Mercer—E 6490
- Lee, Hugh Seymour.....Seattle  
Unc, Sci.....1416 E 41st St—N 460
- Lee, James Sydney.....Spokane  
LD, Bus.....4506 Univ Blvd—Ken 291
- Lee, Judith.....Seattle  
Unc, LA.....2816 Harvard Av N—Cap 3103
- Lee, Mayme Sullivan.....Seattle  
LD, FA.....
- Lee, Richard Roy.....Seattle  
LD, Phar.....2501 Yesler Way—Dea 425
- Lee, Robert James.....Seattle  
Unc, EE.....5248 15th Av NE—Ken 3250
- Lee, Win Fred.....Bellingham  
LD, Bus.....1405 E 41st St

Leechman, John Douglas.....	Seattle	Lewis, Raymond.....	Raymond
UD, Lib.....	Public Library—M 2466	LD, Bus.....	1616 E 47th St—Ken 149
Leeper, Helen Gertrude.....	Lewiston, Ida	Lewis, Rubin.....	Seattle
LD, LA.....	4547 Univ Blvd—Ken 1004	LD, ME.....	513 19th Av—E 5201
Legg, Charles Martel.....	Seattle	Lewis, Sarah.....	Coulee, City
LD, Bus.....	4118 Aurora Av—N 70	LD, Bus.....	4123 11th Av NE—N 2474
Legg, Z Emily.....	Seattle	Lewis, William C H.....	Seattle
LD, LA.....	4118 Aurora Av—N 70	LD, Min.....	128 Harvard Av N—Cap 178
Leghorn, Lois Cornelia.....	Seattle	Lewis, Wilma.....	Seattle
UD, Sci.....	4118 Aurora Av—N 70	LD, LA.....	1707 Belmont Av—E 7128
Leghorn, James Malcolm.....	Olympia	Li, Juel Kuel Theodore.....	China
LD, CE.....	4530 14th Av NE—Ken 555	Unc, Bus.....	4538 Brooklyn Av
Leghorn, Frances Marie.....	Seattle	Lichty, Ralph John.....	Spokane
UD, LA.....	4504 18th Av NE—Ken 146	Unc, Law.....	5038 Univ Blvd—Ken 496
Lehto, Elizabeth Ursula.....	Willson	Lien, P Laura.....	Bremerton
LD, Sci.....	5803 8th Av NE—Ken 1100	LD, LA.....	5256 16th Av NE—Ken 642
Leichhardt, Mildred.....	Kelso	Liggett, LD, Vermito M.....	Mt Vernon
Unc, Ed.....	4722 20th Av NE—Ken 2577	LD, LA.....	4704 16th Av NE
Leighton, Chester Q.....	Seattle	Lighthouse, Henry A.....	Friday Harbor
LD, Bus.....	116 N 46th St—N 2501	LD, LA.....	1823 Nagle Pl—E 3220
Leighton, Elizabeth.....	Welsler, Ida	Lighthouse, Margaret C.....	Friday Harbor
LD, FA.....	8044 1st Av NE—Ken 809	LD, Ed.....	114 Univ Blvd—E 1464
Leise, J Frederick.....	Seattle	Liljemark, Richard A L.....	Butte, Mont
LD, Sci.....	848 W Nickerson St	Unc, Bus.....	4316 Corliss Av—N 3092
Leitch, Doris Mary.....	Seattle	Lilly, David L.....	Seattle
Unc, FA.....	132 14th Av N—E 9154	LD, Sci.....	6543 16th Av NE
Leith, Jessie.....	Monico, Wis	Lilly, Donald R.....	Bridgeport
LD, LA.....	2310 31st Av S—Ben 240	LD, LA.....	4317 Brooklyn Av
Lemon, John Francis.....	Watsonville, Cal	Lilly, Dorothy Cornelia.....	Seattle
UD, Ed.....	4740 14th Av NE	UD, Ed.....	6543 16th Av NE
Lennox, Edward Henry.....	Tacoma	Lilly, Edna May.....	Tacoma
Unc, Fish.....	4532 18th Av NE—Ken 2827	Unc, FA.....	4710 Univ Blvd—Ken 463
Leonard, Arthur Ralph.....	Seattle	Lilly, Ruth Willard.....	Seattle
LD, Bus.....	337 N 78th St	LD, Ed.....	6543 16th Av NE
Le Lecq, Germaine.....	France	Lilly, Andrie Stella.....	Tacoma
Sp, LA.....	133 Dorffel Drive	UD, LA.....	Clark Hall, Campus—N 262
Lesser, Margaret Helen.....	Seattle	Lln, Fu.....	China
LD, LA.....	5022 21st Av NE—Ken 485	LD, LA.....	4528 Brooklyn Av—Ken 27
Lete, Dalmacio.....	Philippines	Lind, Andrew.....	Seattle
Unc, Phar.....	111 1st Av W	LD, For.....	1116 Eastlake Av—Cap 2884
Levin, Ben Z.....	Spokane	Lindberg, Ella Mary.....	Hoquiam
LD, Sci.....	4547 10th Av NE	Unc, FA.....	4514 18th Av NE—Ken 188
Levinson, Oscar.....	Seattle	Lind, Fred A.....	Seattle
Unc, Bus.....	7428 4th Av NE—Ken 2411	2nd Law,.....	1116 Eastlake Av
Lewis, Edith Harriet.....	Seattle	Lindberg, Albert Harry.....	Seattle
Unc, Bus.....	6717 Weidin Pl—Ken 3516	LD, LA.....	142 N 74th St—Bal 2217
Levitin, Isaac.....	Russia	Lindberg, Martha.....	Seattle
LD, EE.....	4554 11th Av NE	LD, Bus.....	2012 E 45th St—Ken 2645
Lery, Arthur Edward.....	Seattle	Lindberg, Ruby Charlotte.....	Seattle
Unc, Bus.....	1406 31st Av—E 8220	LD, Bus.....	622 1st Av W—QA 2120
Lery, David P.....	Seattle	Lindberg, Wilmore Hilding.....	Tacoma
LD, LA.....	720 22d Av N—E 8034	UD, Bus.....	4524 10th Av NE—Ken 199
Lery, Lucille.....	Seattle	Lindblom, Roy Eric.....	Seattle
LD, Phar.....	918 Boylston Av—E 2088	LD, EE.....	323 3d Av W—QA 3118
Lery, Melvin P.....	Seattle	Lindberg, Russell Stanton.....	Seattle
LD, LA.....	720 22nd Av N	LD, Bus.....	4503 Univ Blvd—Ken 236
Lewallen, Marjory Frances Rosalia.....	LD, Phar.....	Lindemann, Helen.....	Roanoke
LD, Phar.....	4703 18th Av NE—Ken 2826	LD, LA.....	4714 Univ Blvd—Ken 2253
Lewis, Anna.....	Coulee City	Lindley, (Mrs) Alice B.....	Seattle
UD, Sci.....	4123 11th Av NE—N 2474	UD, LA.....	5517 5th Av NW
Lewis, Blodwen.....	Coulee City	Lindsay, Marjery A.....	Seattle
LD, FA.....	4123 11th Av NE—N 2474	LD, LA.....	4528 4th Av NE—N 3612
Lewis, Elizabeth.....	Seattle	Lindsay, C Abbott.....	Seattle
LD, LA.....	128 Harvard Av N—Cap 178	LD, Bus.....	200 Edgar St—Cap 3031
Lewis, Clara May.....	Seattle	Lindsay, Mazie Palmer.....	Seattle
LD, Ed.....	906 24th Av S	LD, Bus.....	320 10th Av—E11 5611J
Lewis, Evan L.....	New Westminster, B C	Lindsay, Olive Norene.....	Kverett
LD, For.....	4616 21st Av NE—Ken 490	LD, LA.....	5627 Univ Blvd—Ken 2070
Lewis, Gertrude A.....	Seattle	Lindsay, F Steele.....	Seattle
LD, Bus.....	4710 Univ Blvd—Ken 1857	UD, Jour.....	4528 4th Av NE—N 3612
Lewis, Glen Lewis.....	New Westminster, B C	Lindsey, L Burns.....	Seattle
LD, For.....	4616 21st Av NE—Ken 490	LD, Bus.....	1506 Univ Blvd—E 3175
Lewis, William James.....	Seattle	Lindstrom, Edmund.....	Seattle
LD, EE.....	5906 Latona Av—Ken 3402	LD, ME.....	1717 W 65th St
Lewis, Mildred F.....	Seattle	Lister, George Vernon.....	Prineville, Or
LD, Bus.....	2012 E 45th St—Ken 2643	Unc, Bus.....	1616 E 47th St—Ken 149
Lewis, Olin.....	Portland, Or	Lister, Violet.....	Prineville, Or
LD, LA.....	4520 21st Av NE—Ken 2600	Unc, LA.....	4547 10th Av NE—Ken 23



- Liston, Edward John .....Orilla  
LD, LA.....Orilla  
Liston, James G.....Orilla  
LD, LA.....Orilla  
Litchfield, William M.....Pasadena, Cal  
UD, Bus.....1605 E 47th St—Ken 84  
Little, Dorothy Vernon.....Seattle  
LD, Sci.....210 Crockett St—QA 2347  
Little, Gordon F.....New Westminster, B C  
LD, ChE.....5020 12th Av NE—Ken 2044  
Little, Herbert Satterthwaite.....Seattle  
LD, LA.....210 Crockett St—QA 2347  
Littlefield, Dorothy Isabel.....Seattle  
LD, LA.....5417 21st Av NE—Ken 2718  
Littooy, Norma.....Tacoma  
Unc, Ed.....Lewis Hall, Campus—N 162  
Livsly, Chester .....  
Sp, Bus .....  
Lloyd, Katherine Mary.....Seattle  
LD, ChE.....2060 15th Av W—QA 3369  
Lloyd, Leslie Mark.....Seattle  
LD, LA.....1420 2d Av—E11 101  
Lloyd, William.....Seattle  
UD, EE.....2060 15th Av—QA 3369  
Lockerby, Desiah.....Seattle  
LD, LA.....4524 5th Av NE—N 2535  
Lockerly, Frank McCarty.....Seattle  
LD, Bus.....4524 5th Av NE—N 2535  
Lockhart, Bert .....Wapato  
LD, Bus.....4755 Brooklyn Av—Ken 766  
Lockman, Edgar Donald.....Seattle  
LD, Bus.....2015 24th Av N  
Lockman, Frederick Vincent.....Seattle  
UD, FA.....2015 24th Av N—E 4381  
Lockwood, Maude Shirley.....Seattle  
LD, FA.....837 W 61st St—Bal 1199  
Lodge, Adria .....Wenatchee  
LD, Bus.....5203 18th Av NE—Ken 2811  
Lodwick, David Foster.....Spokane  
LD, Bus.....4506 Univ Blvd—Ken 291  
Loer, Gladys Frances.....Seattle  
Unc, LA.....2157 7th Av W  
Loer, Lawrence Frank.....Seattle  
LD, Bus.....2157 7th Av W—QA 507  
Lofgren, Frederick Valentine.....Seattle  
LD, Phar.....2042 W 63d St—Bal 706  
Logg, Charles Paul.....Seattle  
UD, Bus.....5002 20th Av NE—Ken 1189  
Logg, David Gladstone.....Seattle  
UD, LA.....5002 20th Av NE—Ken 1189  
Logg, Frank Stanley.....Seattle  
LD, Ed.....5002 20th Av NE—Ken 1189  
Lohrer, George Hartman.....Seattle  
Unc, EE.....4414 Bagley Av  
Loken, Leo Waldemar .....Everett  
Unc, ME.....4722 12th Av NE—Ken 3033  
London, Margaret.....Seattle  
LD, LA.....511 N Broadway—Cap 1394  
Long, Elizabeth L .....Cle Elum  
LD, LA.....604 E 45th St—N 3485  
Long, Glen .....Seattle  
Unc, Fish.....4314 12th Av NE  
Long, William Pagne .....Seattle  
Sp, LA.....977 21st Av—E 4807  
Longbaugh, Elaine .....  
LD, LA.....4018 Eastern Av  
Longfellow, Esther K.....Mountain Home, Ida  
LD, LA.....5727 85th Av NE—Ken 1371  
Lonseth, Herbert Cornelius.....Seattle  
LD, Sci.....361 Highland Dr—QA 8210  
Loomis, Dorothy F.....Aberdeen  
LD, LA.....4742 18th Av NE—Ken 396  
Loomis, Minerva Udell.....Portland, Or  
UD, LA.....4125 Brooklyn Av—N 30  
Lopp, Dwight Thomas.....Seattle  
LD, FA.....4738 9th Av NE—Ken 1255  
Lopp, Weyana.....Seattle  
UD, LA.....4738 9th Av NE—Ken 1255  
Lorah, James Richard.....Seattle  
LD, ChE.....1518 Broadway  
Lorbeer, Norma Emma.....Seattle  
LD, Sci.....4732 21st Av NE—Ken 119  
Louden, Russell.....Centralia  
LD, Bus.....4340 11th Av NE—Ken 813  
Lough, Norman.....Big Lake  
Unc, Bus.....4323 Burke Av—N 790  
Lough, Harriet Vevah.....Seattle  
Unc, FA.....3045 Aurora Av—N 133  
Loughary, Jack Blaine.....Sedro-Woolley  
LD, Bus.....1010 Sylvester Pl  
Loughlin, Paul Egbert.....Puyallup  
LD, Sci.....212 E 60th St  
Love, Elizabeth Jean.....Tacoma  
LD, Sci.....4548 Univ Blvd—Ken 20  
Lovegren, Tilly Almeda.....High Point  
LD, Ed.....5217 16th Av NE—Ken 2024  
Loveless, Frances.....Coeur d'Alene, Ida  
LD, Sci.....4714 Univ Blvd—Ken 2253  
Loving, Katherine Brewer.....Seattle  
LD, LA.....410 W Roy St—QA 1372  
Low, Lloyd C.....Spokane  
LD, Bus.....4532 18th Av NE—Ken 2827  
Lowary, Blanche Elinor.....Harrington  
LD, Bus.....4737 12th Av NE—Ken 1808  
Lowe, Ben Franklin.....Tacoma  
LD, Ed.....4550 18th Av NE—Ken 3072  
Lowman, Willa B.....Anacortes  
Unc, FA.....4547 10th Av NE—Ken 23  
Lucas, Harriet Yoder.....Yakima  
UD, LA.....4710 Univ Blvd—Ken 1857  
Lucas, Martha.....Seattle  
LD, LA.....5248 16th Av NE  
Luce, Margaret Copley.....Seattle  
LD, LA.....1705 35th Av—E 4290  
Ludington, Flora Belle.....Wenatchee  
UD, Lib.....4518 Univ Blvd—Ken 3216  
Ludwig, Ernest Marker.....Seattle  
Unc, LA.....1133 8th Av W—QA 3786  
Ludwigs, Flora E.....Walla Walla  
UD, Sci.....2012 E 45th St—Ken 2645  
Ludwigs, Frank H.....Walla Walla  
LD, Bus.....4704 18th Av NE—Ken 541  
Luft, Ernest Walter.....Bremerton  
UD, EB.....5025 12th Av NE  
Luft, Herman.....Bremerton  
LD, EE.....4504 16th Av NE—Ken 647  
Luthile, Edmund Julius.....Seattle  
LD, ME.....6526 15th Av NE—Ken 1111  
Lumbom, Paul E.....Manson, Iowa  
Unc, LA.....211 E 65th St—E11 4383  
Lund, Walter William.....Seattle  
LD, FA.....1625 Minor Av  
Lundberg, Vivian Madele.....Seattle  
LD, LA.....5004 Univ Blvd—Ken 208  
Lundell, Berger John Olaf.....Issaquah  
LD, LA.....738 Blewett St  
Lundell, Oscar Frederick.....Heveteke, B C  
LD, LA.....Lander Hall, Campus—N 60  
Lundstedt, Eva.....Seattle  
Unc, FA.....4026 11th Av NE—N 99  
Lundstrum, Allan Winston.....Yakima  
LD, EE.....5011 19th Av NE—Ken 2875  
Lundstrum, Margaret.....Sweden  
UD, Sci.....434 N Broadway—Cap 1340  
Lundy, Iris Rachel.....Seattle  
UD, Jour.....4534 Univ Blvd—Ken 20  
Lunge, George Scott.....Seattle  
LD, EE.....4306 11th Av NE—Ken 3651  
Lutz, Hugh Ward.....Seattle  
1st, Law.....740 11th Av N—Cap 3448  
Lyman, Edwin B.....Portland, Or  
LD, Bus.....4529 12th Av NE—Ken 769  
Lynch, Angeline Montana.....Butte, Mont  
LD, Ed.....1603 20th Av—E 522  
Lynch, Isabelle Reis.....Yakima  
LD, Sci.....504 E Republican St

- Lynch, Sprague Norman .....Tacoma  
 LD, Bus.....1205 E 45th St—Ken 1016  
 Lynch, Rose.....Seattle  
 LD, Sci.....5404 Meridian Av—N 2344  
 Lynch, Walter Sadorus.....Seattle  
 Unc, EE.....165 McGraw St—QA 1131  
 Lynd, William Elmer.....Puyette, Ida  
 Sp, Law.....523 30th Av  
 Lyon, Carlos.....Butte, Mont  
 Unc, EE.....YMOA—M 5208  
 Lyon, Henry Arthur.....Seattle  
 Unc, LA.....3700 41st Av 8W  
 Lyons, Harry Albert.....Tacoma  
 Unc, ChE.....Terry Hall, Campus—N 60  
  
 Mc Abee, Earl Whatmore.....Seattle  
 Unc, LA.....1119 W 61st St—Bal 2191  
 Mc Arthur, Archibald.....Seattle  
 LD, LA.....517 15th Av N—Cap 1235  
 Mc Arthur, Maxine Elliot.....Seattle  
 Unc, FA.....2517 Beacon Av—Bea 285  
 Mc Ateer, George Henry.....Seattle  
 Grad.....725 12th Av  
 Mac Aulay, Gordon Andrew.....Seattle  
 LD, Bus.....902 36th Av N—E 6856  
 Mc Aulay, John Henry.....Yakima  
 LD, ME.....4704 18th Av NE—Ken 541  
 Mac Aulay, Melva.....Seattle  
 Sp, Sci.....903 36th Av N—E 6856  
 Mc Bee, Alfred.....Coeur d' Alene, Ida  
 LD, LA.....1616 E 47th St—Ken 149  
 Mc Bee, Hazel Lucia.....Seattle  
 LD, LA.....1250 E 69th St  
 Mc Bee, Helen.....Coeur d' Alene, Ida  
 LD, LA.....4551 Univ Blvd—Ken 501  
 Mc Bride, William Craig Jr.....Seattle  
 LD, LA.....4554 16th Av NE—Ken 2600  
 Mc Cabe, Clair.....Seattle  
 Unc, Bus.....2120 E 47th St—Ken 1176  
 McCart, Ben.....Port Angeles  
 LD, Sci.....1415 Boren Av—M 4201  
 Mc Craig, Grace Ralston.....Spokane  
 LD, Sci.....2808 E Union St—E 342  
 Mc Callum, Hugh Neal.....Seattle  
 LD, LA.....1532 W 60th St—Bal 1138  
 Mc Cann, Neal J.....Tacoma  
 LD, Sci.....4181 14th Av NE  
 Mc Cann, Thomas Patrick.....Marysville  
 LD, Bus.....Campus Barracks  
 Mc Carroll, Margaret.....Idaho Falls, Ida  
 LD, LA.....4558 Univ Blvd—Ken 1449  
 Mc Carthy, O Bernard.....Anaconda, Mont  
 UD, Sci.....4045 14th Av NE—N 1804  
 Mc Carthy, Clara G.....Seattle  
 Unc, LA.....4217 Burke Av  
 Mc Carthy, Claude.....Seattle  
 LD, Sci.....843 E 56th St—Ken 1573  
 Mc Carthy, John Fabian.....Spokane  
 Grad.....820 18th Av—E 2080  
 Mc Carthy, Joseph L.....Wallace, Ida  
 Unc, Bus.....4305 15th Av NE—Ken 720  
 Mc Carthy, Justin.....Spokane  
 Grad.....1409 5th Av  
 Mc Carthy, Mary Helen.....Butte, Mont  
 LD, LA.....1511 E Mercer St—E 5915  
 Mc Cauley, Gladys Evelyn.....Spokane  
 LD, FA.....5026 15th Av NE—Ken 1687  
 Mc Causland, Elizabeth.....Seattle  
 UD, LA.....4548 Univ Blvd—Ken 26  
 Mc Causland, Lelon.....Seattle  
 UD, Ed.....4537 Univ Blvd—Ken 20  
 MacClain, A Lewis.....Vancouver  
 UD, Sci.....5206 20th Av NE—Ken 1666  
 Mc Clellan, Hortense.....Seattle  
 UD, LA.....4708 18th Av NE—Ken 2300  
 Mc Clinton, Harold.....Seattle  
 LD, LA.....4722 18th Av NE  
  
 Mc Clung, James Carl.....Seattle  
 LD, CE.....4537 11th Av NE—Ken 8000  
 Mc Clung, Lucile Evelyn.....Portland, Or  
 LD, LA.....4547 19th Av NE—Ken 23  
 McClung, Olney.....Seattle  
 LD, ME.....4537 11th Av NE—Ken 8000  
 Mc Clung, Ryland Eugene.....Portland, Or  
 UD, LA.....4524 10th Av NE—Ken 199  
 Mc Clure, Frank B.....Seattle  
 Unc, Bus.....4511 Interlake Av—N 94  
 McClure, C Willard.....Yakima  
 LD, LA.....4724 9th Av NE—Ken 2919  
 Mc Clure, Worth.....Seattle  
 Grad.....  
 Mc Clymont, Wallace.....Aberdeen  
 LD, Bus.....1616 E 47th St—Ken 149  
 Mc Colby, Everett Leonard.....Sumner  
 Unc, Sci.....4318 11th Av NE  
 Mc Colloch, Elizabeth Zane.....Seattle  
 LD, LA.....4720 Univ Blvd—Ken 1587  
 Mc Collough, Dale Lawrence.....Seattle  
 Unc, LA.....4035 15th Av NE  
 Mc Comb, George Edgar.....Vancouver, B C  
 Unc, Min.....Terry Hall, Campus—N 60  
 Mc Conkey, J Franklin.....Lost Creek, W Va  
 LD, For.....4513 12th Av NE—Ken 8682  
 Mc Connell, Roy Kirkwood.....Victoria, B C  
 LD, ChE.....4551 16th Av NE—Ken 8273  
 Mc Cord, William Bennett.....Seattle  
 Unc, Law.....1802 17th Av—E 4320  
 Mc Cockle, Agnes.....Sumner  
 LD, LA.....Clark Hall, Campus—N 262  
 McCormick, Dell J.....Elk River, Ida  
 UD, LA.....4704 18th Av NE—Ken 541  
 Mc Cormick, George Phillip.....Portage  
 LD, Min.....4130 12th Av NE  
 Mc Cormick, Helen.....Carlton, Or  
 UD, LA.....Clark Hall, Campus—N 262  
 Mc Cormick, V Isabel.....Spirit Lake, Ida  
 UD, Sci.....4524 Univ Blvd—Ken 2496  
 McCormick, Lewis M.....Mansfield, Ohio  
 Sp, Phar.....1205 E 45th St  
 Mc Cormick, William Francis.....Duvall  
 LD, EE.....4252 6th Av NE  
 McCoy, Fred Burton.....Seattle  
 LD, For.....5602 15th Av NE  
 Mc Coy, Newton Francis.....Portland, Or  
 UD, ME.....5035 19th Av NE—Ken 939  
 Mc Coy, John Wyman.....Seattle  
 LD, For.....5602 15th Av NE—Ken 908  
 Mc Cracken, Willis Flowers.....Seattle  
 LD, EE.....6051 30th Av NE  
 Mc Crea, Mary Helen.....Spokane  
 UD, LA.....4714 Univ Blvd—Ken 2253  
 Mc Crea, S William.....Spokane  
 LD, CE.....4532 19th Av NE—Ken 2646  
 Mc Cready, Irving Spencer.....Snohomish  
 LD, Bus.....4505 18th Av NE—Ken 383  
 Mc Credy, Harold F.....Seattle  
 UD, LA.....4519 1st Av NE—N 1785  
 Mc Credy, Noble F.....Seattle  
 LD, Bus.....4519 1st Av NE—N 1785  
 Mc Credy, Rosamond Pauline.....Seattle  
 UD, LA.....4519 1st Av NE—N 1785  
 Mc Creery, Edna Lucille.....Seattle  
 LD, LA.....1317 E 63d St—Ken 844  
 Mc Creery, Hugh Edison.....Seattle  
 LD, LA.....1317 E 63d St—Ken 844  
 Mc Crosby, Robert Milton.....Colfax  
 LD, Bus.....2120 E 47th St—Ken 1176  
 Mc Croskey, Wendell Howard.....Spokane  
 LD, Bus.....5009 21st Av NE—Ken 959  
 Mc Croskey, Zelma Claire.....Colfax  
 LD, FA.....1081 E Mercer St—Cap 1236  
 Mc Cullough, Frank J.....Seattle  
 LD, Sci.....1812 Ravenna Blvd—Ken 2258  
 Mc Collough, Grace.....Seattle  
 Unc, Sci.....1424 Belmont Av—E 4959

- McCumber, Martha F .....Seattle  
Sp .....25 W Roy St  
Mc Cush, George William.....Bellingham  
LD, Bus.....4620 21st Av NE  
McDonagh, William J .....Seattle  
Unc, Bus .....410 Harvard Av N  
Mc Donald, Alice Gertrude.....Seattle  
LD, LA.....1847 Ravenna Blvd—Ken 2505  
Mc Donald, Alice Louise.....Seattle  
LD, Sci.....2200 13th Av N—Cap 3325  
Mc Donald, Darrel.....Spokane  
LD, Sci.....4503 17th Av NE—Ken 230  
Mac Donald, Gladys Eora.....Seattle  
LD, Bus.....5266 B 14th Av NE  
Mc Donald, Fred Charles.....Eugene, Or  
LD, Sci.....2002 E 54th St—Ken 2310  
McDonald, Grace .....Seattle  
Sp, FA.....703 8rd av W—2A 2530  
Mac Donald, Helen Olive.....Seattle  
LD, Bus.....1519 E Spruce St  
Mac Donald, Hugh H.....Spokane  
LD, Bus.....1314 43d St  
Mac Donald, Jack Lorraine.....Vancouver, B C  
Unc, CE.....Campus Barracks  
Mac Donald, Kenneth.....Wallace, Ida  
LD, Bus.....5235 Univ Blvd—Ken 618  
Mc Donald, Lamora.....Spokane  
LD, LA.....4714 15th Av NE—Ken 2121  
Mc Donald, Mary Kathryn.....Pocatello, Ida  
LD, Bus.....4534 Univ Blvd—Ken 20  
Mc Donald, Mayme.....Seattle  
Grad.....703 3d Av W—QA 2530  
Mac Donald, Mildred.....Seattle  
UD, Bus.....4530 Univ Blvd  
Mac Donald, Saddle Belle.....Seattle  
LD, Ed.....6303 10th Av NE—Ken 1345  
McDonald, William L .....Seattle  
LD, CE.....1847 Racenna Blvd  
McDonnell, Donald N.....Seattle  
LD, Bus.....4520 21st Av NE—Ken 2600  
Mac Donell, Ruby Caroline.....Somers, Mont  
Unc, LA.....5720 15th Av NE  
Mac Donell, Vernon Eugene.....Somers, Mont  
LD, CE.....Lander Hall, Campus—N 60  
Mac Dougall, John Brock.....Seattle  
UD, Sci.....1100 Terry Av—M 3452  
McDougall, Stanley W.....Kellogg, Ida  
LD, Min.....4530 14th Av NE—Ken 655  
Mc Dowell, John Watson.....Bellevue  
LD, Sci.....Bellevue  
Mc Eachern, Bernard William.....Latah  
LD, Bus.....4742 15th Av NE  
Mc Elroy, Elizabeth.....Olympia  
LD, Sci.....4524 Univ Blvd—Ken 2496  
Mc Entee, Philip William.....Spokane  
LD, Bus.....5212 18th Av NE—Ken 887  
Mc Euen, Marshall Lee.....Seattle  
UD, Bus.....310 Nob Hill Av  
Mc Farland, E Curtis.....Kelso  
LD, Phar.....5212 18th Av NE—Ken 887  
Mc Faul, Kathleen R.....Pendleton, Or  
Unc, Sci.....4551 Univ Blvd—Ken 501  
Mc Gaffey, Wesley Frederick.....Everett  
LD, Bus.....5235 Univ Blvd—Ken 618  
Mc Gahn, Ellen Dolores.....Seattle  
UD, Phar.....4543 18th Av NE—Ken 650  
Mc Ghee, John Wesley.....Ferdale  
Unc, EE.....1809 8th Av  
McGill, Eleanor.....Seattle  
LD, LA.....5210 11th Av NE  
McGill, Vivian Jerould.....Seattle  
VD, LA.....16th Av NE—Ken 2090  
Mc Gill, Wayne Egbert.....Portland Or  
LD, Sci.....5015 Univ Blvd  
McGirr, Horace D.....Boise, Ida  
Unc, Bus.....5043 16th Av NE  
Mc Girr, Thelma.....Boise, Ida  
LD, Bus.....2012 E 45th St—Ken 2645  
Mc Girr, Wilma.....Boise, Ida  
LD, Bus.....2012 E 45th St—Ken 2645  
Mc Glaufin, Hugh Earnest.....Seattle  
LD, EE.....2025 N Broadway—Cap 3795  
Mc Glaufin, Nadine.....Spokane  
LD, Bus.....4516 Latona Av—N 150  
Mc Glaufin, Nancy Nell.....Seattle  
LD, LA.....2025 N Broadway—Cap 3795  
Mc Goran, Irene M.....Merritt, B C  
UD, FA.....4510 6th Av NE  
Mc Grath, Anna Mae.....Pomeroy  
UD, LA.....4543 18th Av NE—Ken 650  
Mc Grew, Albert D.....Pittsburgh, Pa  
UD, For.....4554 16th Av NE—Ken 304  
Mc Grew, Eleanor Patricia.....Seattle  
UD, LA.....4718 Univ Blvd—Ken 1882  
Mc Guinness, Ellen Jeanette.....Snohlmish  
LD, LA.....1111 19th Av N—E 3344  
Mc Hale, Anne.....St Anthony, Ida  
LD, FA.....Clark Hall, Campus—N 262  
Mc Harrie, Lindsay.....Seattle  
Unc, Bus.....1904 47th Av SW—W0  
McHugh, Ruth.....Seattle  
LD, Bus.....2024 11th Av N  
Mc Hugh, John Joseph.....Seattle  
LD, EE.....2340 Boylston Av N—Cap 3196  
Mc Ilvain, Dorothy Solomon.....Seattle  
Unc, FA.....5714 15th Av NE—Ken 2240  
McIneoney, F, Paul.....Deer Lodge, Mont  
Bus.....  
Mc Innes, John Stephen.....Wallace, Ida  
Unc, Law.....4504 16th Av NE—Ken 647  
Mc Innes, Merville W.....Spokane  
LD, Bus.....4532 18th Av NE—Ken 2827  
Mc Inroe, Lloyd Gerald.....Walla Walla  
LD, Bus.....1616 E 47th St—Ken 140  
Mc Intyre, Cora May.....Seattle  
Unc, Ed.....2814 Franklin Av—Cap 1336  
Mc Intyre, Norman.....Skykomish  
Unc, Law.....4035 15th Av NE  
Mc Kay, Eloise.....UD, LA  
Mc Kay, Francis Howard.....Spokane  
LD, Bus.....4110 19th Av NE  
Mc Kay, George Frederick.....Spokane  
LD, Bus.....4110 19th Av NE  
Mc Kay, Lorraine.....Seattle  
LD, LA.....5745 23rd Av NE—Ken 377  
Mc Kee, Bayse Clay.....Seattle  
LD, EE.....1000 E 45th St—Ken 2171  
McKee, Lyman G.....Bellingham  
LD, Fish.....4525 12th Av NE  
McKee, Mary B.....Everett  
Grad.....5218 Univ Blvd—Ken 3212  
McKenny, Ruth E.....Hoquiam  
Unc, Bus.....4514 18th Av NE  
Mc Kenzie, Edward Granville.....Seattle  
Unc, Ed.....  
Mac Kenzie, John H. New Westminster, B C  
LD, Min.....5020 12th Av NE—Ken 2044  
Mac Kenzie, Robert.....Everett  
LD, ME.....4242 11th Av NE—N 1723  
Mc Kenzie, William Allen.....Seattle  
Unc, ME.....710 N 85th St—Bal 1020  
McKerriechn, Daniel A.....Calgary, Can  
Grad.....3242½ Eastlake Av  
Mc Killop, Marjorie Leslie.....Seattle  
UD, LA.....5815 Univ Blvd—Ken 573  
Mc Kim, James.....Puyallup  
LD, Min.....4711 18th Av NE—Ken 1642  
Mc Kinley, John Edward.....Touchet  
LD, ME.....4210 Brooklyn Av  
Mc Kinney, Frances Amelia.....Kellogg, Ida  
Unc, LA.....1024 Terry Av—E11 4020  
Mc Kinney, Venita.....Turner, Or  
Unc, FA.....913 35th Av—E 5365  
Mc Kinnon, Carl Alexander.....Enumclaw  
LD, LA.....5015 Univ Blvd

Mc Kinstry, Cecil Hardy.....Seattle	M MacDonald, Anne Lyall.....Tieton
Unc, Bus.....4530 14th Av NE—Ken 555	LD, Sci.....Lewis Hall, Campus—N 162
Mc Knight, John Emmett.....Seattle	MacDonald, Ernestine O.....Seattle
Grad.....4530 14th Av NE—Ken 555	LD, LA.....4502 18th Av NE—Ken 146
Mc Knight, John T.....Cle Elum	Macdonald, Gordon.....Hoquiam
LD, Sci.....4244 11th Av NE	LD, LA.....4732 20th Av NE
Mc Knight, E L Thor.....Seattle	Macek, Joseph.....Tacoma
LD, Sci.....907 N 79th St—Bal 1878	Unc, Bus.....5243 19th Av NE—Ken 3460
Mc Laren, Harold Edgar.....Seattle	MacFarlane, Alan W.....Manila, P I
LD, Bus.....1415 Boren Av—M 4201	LD, ME.....1616 E 47th St—Ken 149
Mc Laughlin, Gay Elizabeth.....Seattle	Macfarlane, Don Andrews.....Seattle
LD, LA.....5026 Univ Blvd—Ken 2480	LD, Fisheries.....4724 9th Av NE—Ken 2919
Mc Laughlin, D Joseph.....Seattle	Macfarlane, Robert Stetson.....Seattle
Unc, ME.....723 16th Av N	Unc, Law.....1510 18th Av S
Mc Laughlin, Margaret.....Seattle	Mack, Elmer Gus.....Somerset, Col
Unc, Sci.....5026 Univ Blvd—Ken 2480	LD, For.....4323 8th Av NE
Mc Lean, Andrew John.....Kamloops, B C	Mackee, Myrna.....Manheim, Pa
LD, Min.....4321 8th Av NE—N 759	Sp, Sci.....5250 18th Av NE
Mc Lean, Donald F.....Seattle	Mackenzie, Harold Austin.....Hoquiam
LD, LA.....936 35th Av—E 8024	LD, EE.....4226 Sunnyside Av
Mao Lean, Elizabeth.....Seattle	Mackenzie, Robert Lennox.....Vancouver, B C
UD, Bus.....4710 Univ Blvd—Ken 1857	LD, EE.....4045 Brooklyn Av
McLean, Margaret.....Bellingham	Maclean, Maude.....Portland, Or
UD, Ed.....5020 15th Av NE—Ken 2193	UD, LA.....4515 7th Av NE
McLellan, Elmer K.....Seattle	Macpherson, Kathryn Fraser.....Seattle
LD, Bus.....4539 11th Av—Ken 2941	LD, Bus.....4540 Univ Blvd—Ken 1092
Mc Lellan, Kathleen Maxine.....Seattle	Mades, Allen Jacob.....Seattle
LD, FA.....1153 E Lynn St—Cap 2472	Unc, Bus.....4229 Brooklyn Av
McLeod, Annabel Jean.....Athena, Or	Madden, Ned Dodd.....Caldwell, Ida
Unc, LA.....4530 Univ Blvd—Ken 983	LD, Bus.....1616 E 47th St—Ken 149
McLeod, Gladys Irene.....Athena, Or	Madison, Viola Delphine.....Osborne, Kan
UD, Bus.....4530 Univ Blvd—Ken 983	UD, LA.....6233 2d Av NW—Bal 2342
McLeod, Jean Keith.....Portland, Or	Maeda, Munyo.....Japan
LD, LA.....2008 E 47th St	LD, EE.....1020 Main St
Mc Mahan, Julia.....Lewis	Magill, Fulton.....Tacoma
Unc, Bus.....4703 18th Av NE—Ken 2826	LD, Min.....4532 18th Av NE—Ken 2827
McMahon, Gordon.....Seattle	Magill, Marion Roberta.....Tacoma
Sp, Bus.....1906 E 45th St	Unc, Ed.....1932 1st Av W
Mc Manus, Catharine Darcale.....New York City	Maglalang, Gil.....Philippines
LD, LA.....4710 Univ Blvd—Ken 1857	Unc, Sci.....1019 Madison St—M 2183
Mac Millan, Alice.....Seattle	Magnuson, Clarence Edwin.....Tacoma
Unc, LA.....430 18th Av N	LD, Bus.....4550 18th Av NE—Ken 3072
McMillan, Jane O.....Tacoma	Magnusson, Sidney T.....Pt Roberts
Sp.....4718 21st Av NE—Ken 915	Unc, LA.....
Mc Millan, Earl Renwick.....Seattle	Magowan, Lola Jane.....Vashon
Grad.....U S Bu of Min, Campus—N 2650	LD, Sci.....Clark Hall, Campus—N 262
Mc Millan, William M.....Colville	Magowan, Thomas Ross.....Hot Springs, S D
LD, Sci.....1605 E 47th St—Ken 2431	LD, Bus.....4505 18th Av NE—Ken 333
Mc Morran, Jean Pauline.....Seattle	Mahaffey, Audley F.....Tacoma
LD, FA.....4033 15th Av NE	LD, Bus.....5265 15th Av NE—Ken 143
McNamara, Harold W.....Olympia	Mahan, Rubietta.....Anaconda, Mont
Unc, Bus.....1605 E 47th St	Unc, Sci.....1804 50th St
Mc Namara, Mary.....Edmonds	Mahoney, Agnes B.....Spokane
Unc, Bus.....Denny Hall, Campus—Local 8	LD, LA.....5604 Univ Blvd—Ken 1112
Mac Naughten, Edwin Leslie.....Victoria, B C	Mahoney, Vera.....Heppner, Or
Sp, Min.....1235 20th Av N	UD, Bus.....512 Denny Way
Mc Nerney, Herbert Thomas.....Toledo, O	Mahony, Ethel Cecilia.....Bremerton
Sp, Bus.....4712 Avalon Pl—Ken 1193	LD, Sci.....4530 Univ Blvd—Ken 983
Mc Pherson, Beatrice Winifred.....Seattle	Mahony, Inez Claudia.....Bremerton
LD, Bus.....4046 25th Av W—QA 1519	Unc, LA.....4530 Univ Blvd—Ken 983
Mc Pherson, Dorothy Vesta.....Seattle	Mahony, Margaret B.....Portland, Or
Unc, FA.....1704 14th Av—E 2501	Unc, LA.....4547 19th Av NE—Ken 23
Mc Pherson, Lenore.....Seattle	Mahony, Mary Agnes.....Portland, Or
Unc, FA.....419 Wheeler St—QA 4127	UD, Bus.....5631 15th Av NE—Ken 3650
Mc Quaid, Alice Evelyn.....Hawaii	Mahony, William Bernard.....Portland, Or
LD, LA.....4508 16th Av NE	LD, Bus.....4530 14th Av NE—Ken 555
Mc Quown, Nell Lorena.....Buhl, Ida	Main, Clara Agnes.....Duvall
LD, FA.....5031 12th Av NE—Ken 8455	LD, FA.....207 Belmont Av N
Mac Taggart, Cynthia Marjory.....Seattle	Major, Sidney.....Seattle
LD, LA.....6011 8th Av NE—Ken 1416	SC, Min.....117 E 65th St
Mc Vean, Florence Elizabeth.....Seattle	Malakoff, Milton Samuel.....Seattle
Unc, FA.....1126 Newport Way—E 3271	Unc, LA.....107 14th Av S—Bea 37
Mc Waters, Walter R.....Portland, Or	Marmo, Prescott C.....Seattle
LD, Bus.....5212 18th Av NE—Ken 887	Unc, For.....1913 Westlake Av
Mc Walters, Dorothy.....Vancouver, B C	Malloy, Angus Jr.....Seattle
LD, FA.....4710 Univ Blvd—Ken 1857	LD, ME.....4837 15th Av NE—Ken 746
Mabel, Alverna.....Seattle	Maloy, Patrick H.....Mt Vernon
Unc, LA.....6414 Greenwood Av	Unc, Bus.....8925 Eastern Av

- Malone, Veva Frances.....Pomeroy  
LD, LA.....4211 12th Av NE—N 1213  
Malone, Walter Weston.....Tacoma  
LD, LA.....Campus Barracks  
Maloney, Gilbert Michael.....Everett  
LD, Sci.....5235 Univ Blvd—Ken 618  
Maloney, E Patricia.....Seattle  
LD, LA.....6205 10th Av NE—Ken 3586  
Maloney, Percy Owen.....Everett  
LD, Bus.....Lander Hall, Campus—N 60  
Malony, John Fuller Jr.....Seattle  
LD, Min.....4505 18th Av NE—Ken 333  
Maltby, Addle E.....Cut Bank, Mont  
LD, Ed.....1510 N 40th St—N 671  
Maltman, Jennie R.....Forest River, N D  
Unc, FA.....4244 10th Av NE—N 1173  
Mancy, Wallace Lincoln.....Seattle  
UD, EE.....4604 16th Av NE—Ken 647  
Mandley, Wilfred J.....Chelan Falls  
EE.....5043 18th Av NE  
Mann, Harold Warren.....Portland, Or  
LD, Bus.....4508 Univ Blvd—Ken 201  
Manning, Florence Mary.....Seattle  
LD, Jour.....1502 1st Av W—QA 2335  
Manor, Leroy M.....Seattle  
Unc, Sci.....4244 10th Av NE—N 1173  
Mansfield, Margaret.....Arlington  
Unc, Sci.....5825 16th Av NE—Ken 818  
Mansfield, Marjorie.....Marysville  
LD, FA.....5825 16th Av NE—Ken 818  
Mapes, Carl Herbert.....Ft Flager  
LD, LA.....4550 18th Av NE—K 3072  
Mapes, Joseph Holt.....Helena, Mont  
LD, Bus.....5212 18th Av NE—Ken 887  
Mapes, Minnie E.....Ft Ward  
Unc, LA.....15th NE and E 56th St  
Mapes, William.....Davenport  
LD, Ed.....4223 15th Av NE—N 3376  
Maramura, Juanito.....Philippines  
LD, Ed.....4230 11th Av NE  
Marbourn, Alice Eleanor.....Seattle  
LD, LA.....2303 Nob Hill Av—QA 2724  
Marchand, Leslie Alexis.....Seattle  
LD, LA.....2708 Washington St—Dea 3379  
Marchesi, Floyd.....Kellogg, Ida  
LD, ME.....4525 12th Av NE—Ken 469  
Marchildon, Maria.....Yakima  
UD, Ed.....4548 Univ Blvd—Ken 26  
Marchion, Elmo.....Anaconda, Mont  
UD, ME.....4711 0th Av NE  
Mardon, F Allen.....Seattle  
Unc, EE.....5714 15th Av NE  
Marion, Isabel Helen.....Yakima  
UD, LA.....4518 Univ Blvd—Ken 3216  
Marion, Lucille.....Seattle  
LD, Bus.....4202 8th Av NE  
Marino, Frank.....Seattle  
Unc, Fish.....308½ Maynard Av  
Markman, Blanche Elaine.....Seattle  
Sp, LA.....1305 E 41st St—N 3492  
Marks, Stanley Anthony.....Seattle  
1st Law.....4215 W Dakota St  
Marling, Samuel Earle.....Victoria, B C  
LD, For.....4759 Brooklyn Av  
Marquette, Elizabeth.....Seattle  
UD, LA.....1407 E 45th St—Ken 1597  
Marquis, Harold Holliday.....Everett  
LD, LA.....5212 18th Av NE—Ken 887  
Marriott, George.....Seattle  
Unc, Bus.....8116 8th Av S—Sld 1018  
Marsh, Ethie.....Seattle  
Grad.....814 Minor Av—E11 4020J  
Marsh, Eugene Ervin.....Metallus, Or  
LD, LA.....4722 12th Av NE  
Marsh, Frances Ervin.....Metallus, Or  
LD, LA.....4722 12th Av NE  
Marsh, Gordon Wesley.....Seattle  
LD, For.....4722 20th Av NE—Ken 2577  
Marsh, Lillian Angelina.....Arlington  
LD, Phar.....4229 12th Av NE—N 2152  
Marsh, Urma Lillian.....Seattle  
Unc, FA.....4722 20th Av NE—Ken 2577  
Marshall, Dorothy Edith.....Missoula, Mont  
UD, LA.....4238 12th Av NE—N 329  
Martin, Adelaide M.....Seattle  
LD, LA.....158 Prospect St—QA 1041  
Martin, Alvord B.....Seattle  
LD, Bus.....4505 18th Av NE—Ken 333  
Martin, Carroll Vevian.....Seattle  
LD, Bus.....4754 16th Av NE—Ken 2938  
Martin, Connie Elvira.....Seattle  
LD, Bus.....4754 16th Av NE—Ken 2938  
Martin, Earl Vincent.....Portland, Or  
UD, ChE.....1906 E 45th St—Ken 983  
Martin, Ethel McCready.....Wilkeson  
Unc, Phar.....5525 16th Av NE  
Martin, Frances Lora.....Seattle  
UD, Sci.....4543 Univ Blvd—Ken 659  
Martin, Francis W.....Doty  
LD, Bus.....5022 Univ Blvd  
Martin, Harold M.....Spokane  
LD, Bus.....4532 18th Av NE—Ken 2827  
Martin, Harry Thomas.....Doty  
LD, FA.....1616 E 47th St—Ken 149  
Martin, Leonora Ruth.....Seattle  
UD, Lib.....2227 Boylston Av N—Cap 2972  
Martin, Mary Geneva.....Mabton  
LD, LA.....815 88th Av—E 1737  
Martin, Otto W.....Parkland  
Unc, Law.....  
Martin, Paul Morgau.....Fuyallup  
LD.....4514 20th Av NE  
Martin, Perle Francis.....Woodland  
Unc, Bus.....4353 6th Av NE—N 2477  
Martin, Sanford N.....Tacoma  
Unc, Bus.....5212 18th Av NE  
Masatomi, Emile.....Spokane  
LD, LA.....4110 12th Av NE—N 3797  
Masilungan, Nicomedes.....Philippines  
LD, Phar.....4742 Brooklyn Av  
Mason, Dwight Allyn.....Tacoma  
LD, EE.....4000 14th Av NE—N 9  
Mason, Earl Clifton.....Seattle  
LD, EE.....411 N 50th St  
Mason, Edith Irene.....Seattle  
Sp, LA.....4705 16th Av NE—Ken 98  
Mason, France Eleanor.....Amber  
Unc, Ed.....2509 N 40th St—N 3945  
Mason, Frank D.....Seattle  
LD, ME.....2720 E Roy St—E 2373  
Mason, James Marion.....Tacoma  
LD, EE.....5041 12th Av NE—Ken 441  
Mason, Lela E.....Seattle  
LD, FA.....4019 15th Av NE—N 553  
Mason, Mary A.....Oberlin, Ohio  
Fish.....2308 Warren Av  
Mason, Muriel.....Seattle  
LD, LA.....4737 15th Av NE—Ken 584  
Mason, Muriel Evelyn.....Seattle  
LD, LA.....411 N 50th St  
Mason, Myrth Lucille.....Seattle  
UD, LA.....6021 ½ 8th Av NE  
Mason, Ruth.....Seattle  
UD, LA.....4019 15th Av NE—N 553  
Masters, Teresa Ida.....Oroville  
LD, Bus.....Clark Hall, Campus—N 262  
Masterson, Glen Arvan.....Grand Mound  
LD, Sci.....4748 19th Av NE—Ken 661  
Masui, Leonard Goroku.....Seattle  
UD, LA.....215 5th Av S—Rai 3898  
Matheson, Angus R.....New Westminster, B C  
LD, MB.....5020 12th Av NE—Ken 2044  
Matheson, Roy Grant.....Alberta  
LD, Bus.....4134 Brooklyn Av—N 1168  
Mathews, John Gill.....Seattle  
Unc, LA.....1121 22nd Av N—E 4599

# REGISTER OF STUDENTS

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Mathews, Leo Ambrose.....Seattle  
 Sp, LA.....8005 Ashworth Av—Ken 1736  
 Mathis, Hartley.....Seattle  
 Unc, Bus.....5403 Wallingford Av—N 2429  
 Matoban, Atanasio C.....Philippines  
 LD, Bus.....327 Allison St—Cap 1470  
 Matsen, John Peter.....Bickleton  
 Unc, Law.....4910 Burke Av—N 856  
 Matsen, Joseph.....Seattle  
 1st, Law.....608 E 63d St  
 Matson, Eleveda O.....Edison  
 UD, Bus.....1519 3d Av—E11 5846  
 Matson, Elmer Melvin.....Ferndale  
 LD, EE.....9215 6th Av SW—Sid 425  
 Matthes, Rudolph O.....Bellingham  
 Unc, FA.....4626 21st Av NE  
 Matthews, Dorothy Hale.....Seattle  
 LD, FA.....4108 Sunnyside Av—N 1414  
 Matthews, Julian O.....Seattle  
 LD, LA.....1121 22d Av N—E 4590  
 Mattice, Menzo.....Anacortes  
 LD, Bus.....4506 Univ Blvd—Ken 291  
 Mattson, John Ivan.....Hoquiam  
 Unc, CE.....705 Broadway—E11 38  
 Mattson, Mildred Ulrika.....Seattle  
 LD, Phar.....2718 Walnut Av SW  
 Mattson, Neis Emanuel.....Redmond  
 LD, EE.....4134 Brooklyn Av—N 1168  
 Matzinger, Helen Leone.....Seattle  
 LD, FA.....5623 15th Av NE—Ken 1067  
 Matzinger, Walter Andrew.....Seattle  
 Sp, EE.....5623 15th Av NE—Ken 1067  
 Maurere, Joseph John.....Pe Ell  
 LD, Sci.....1616 E 47th St—Ken 149  
 Maxwell, Dorothy Jane.....Crawfordsville, Ind  
 LD, LA.....4525 Bagley Av—N 1284  
 Mayne, Alice Catherine.....Livingston, Mont  
 LD, Sci.....5244 Univ Blvd  
 Mazna, George James.....Spokane  
 Unc, Bus.....1906 E 45th St—Ken 2171  
 Mead, Elmoas Merrill.....Pataskala, O  
 LD, Bus.....4524 19th Av NE—Ken 199  
 Mead, Lawrence.....Wenatchee  
 LD, ChE.....3025 12th Av  
 Meadows, Fred James.....Portland, Or  
 Unc, LA.....5218 18th Av NE—Ken 887  
 Meaker, Marion E.....Seattle  
 LD, Ed.....1532 32nd Av So  
 Means, George Earl.....Anacortes  
 LD, EE.....4542 14th Av NE—Ken 1952  
 Mechatroth, Carl Wallace.....Seattle  
 LD, Bus.....212 Brandon St—Sid 1262  
 Mechatroth, Carl Wallace.....Seattle  
 LD, Bus.....212 Brandon St  
 Meddins, Beatrice Samuella.....Denver, Col  
 Grad.....5240 Brooklyn Av  
 Medin, Rita Belle.....Seattle  
 LD, FA.....814 80th Av—E 2988  
 Medler, Dan Maywood.....Ephrata  
 LD, Bus.....YMCA—M 5208  
 Meeker, Clifford Remer.....Seattle  
 LD, Fish.....1203 E Lynn St—Cap 1260  
 Melgs, Jerusha Gilman.....Yakima  
 Unc, LA.....4412 Sunnyside Av—N 3424  
 Mels, Girard Fred.....Tacoma  
 Sp, Phar.....4020 Brooklyn Av—N 461  
 Meisnest, Frederick Holmes.....Seattle  
 LD, Fish.....4705 16th Av NE—Ken 98  
 Melby, Esther Muriel.....Seattle  
 LD, LA.....5015 15th Av NE—Ken 2272  
 Melgard, Christian.....Seattle  
 UD, Sci.....Terry Hall, Campus—N 60  
 Meneely, A Howard.....Seattle  
 LD, Bus.....601 Belmont Av N—Cap 1939  
 Mensor, Evelyn.....Seattle  
 LD, Sci.....725 22d Av  
 Merchant, Jessie H.....Mt Vernon  
 UD, LA.....Lewis Hall, Campus—N 162

Merilla, Marie.....Seattle  
 Sp, LA.....702 E 50th St  
 Meris, Francisco P.....Philippines  
 Unc, ME.....621 King St  
 Mero, Austin L.....Seattle  
 LD, ME.....1240 17th Av N  
 Merriam, Clair Vernon.....Nooksack  
 LD, EE.....4740 Brooklyn Av—Ken 652  
 Merriam, Sherman Lee.....Nooksack  
 UD, Ed.....4740 Brooklyn Av—Ken 652  
 Merriam, Theodore.....Seattle  
 LD, EE.....4803 55th Av S  
 Merriam, Xenophon Edward.....Yakima  
 Unc, ChE.....5012 10th Av NE  
 Merrill, Gladys M.....Seattle  
 UD, Ed.....  
 Merrill, Grant Warren.....Seattle  
 LD, Sci.....6717 Division Av NW—Bal 1499  
 Merrill, Levi Jasper.....Seattle  
 UD, Min.....2617 Queen Anne Av  
 Merriman, Eugene Duette.....Seattle  
 Grad.....5610 15th Av NE—Ken 2546  
 Merritt, Fred Sherrill.....Seattle  
 LD, LA.....4505 18th Av NE—Ken 333  
 Mershon, Lester Odell.....Seattle  
 Unc, ME.....1412 24th Av—E 6111  
 Mesford, Jessie L.....Seattle  
 UD, Sci.....4018 11th Av NE—N 1058  
 Messer, Elizabeth Beatrice.....Rolling Bay  
 UD, Sci.....4338 11th Av NE—Ken 2501  
 Metlen, Elizabeth.....Helena, Mont  
 Unc, Bus.....5032 21st Av NE—Ken 3630  
 Metten, David Warner.....Helena, Mont  
 LD, Bus.....4505 18th Av NE—Ken 333  
 Metras, Leo Finley.....Seattle  
 LD, Bus.....504 E Republican St—Cap 1080  
 Metsker, Margaret Ream.....Seattle  
 UD, Sci.....4050 9th Av NE—N 1355  
 Metz, J Ernest.....Post Falls, Ida  
 LD, Bus.....4741 12th Av NE—Ken 567  
 Metz, Willard William.....Walton  
 LD, Bus.....1910 4th Av N—QA 2346  
 Metzger, George Alden.....Tacoma  
 LD, ChE.....5009 19th Av NE  
 Meyer, Flora.....Seattle  
 LD, Ed.....3008 E Olive St  
 Meyer, Herman.....Seattle  
 LD, Bus.....217 23d Av—E 7610  
 Meyer, Marguerite.....Seattle  
 LD, Sci.....1825 11th Av W—QA 3593  
 Meyer, Minerva Tower.....Seattle  
 Unc, LA.....6525 16th Av NE—Ken 957  
 Meyer, Paul Eugene.....Quincy, Ill  
 LD, EE.....Lander Hall, Campus—N 60  
 Meyer, Rita.....Seattle  
 UD, LA.....217 23d Av—E 7610  
 Meyers, Leo Edward.....Colfax  
 LD, Sci.....4136½ 14th Av NE  
 Michael, Sadle.....Seattle  
 Grad.....1019 W Garfield St  
 Michea, M Antoinette.....Seattle  
 UD, Ed.....5247½ 14th Av NE  
 Michels, Frank Bernard.....Oregon City, Or  
 Unc, EE.....Lander Hall, Campus—N 60  
 Michener, Arthur Phillips.....Portland, Or  
 LD, Bus.....2120 E 47th St—Ken 1176  
 Michener, Frank Peavy.....Portland, Or  
 LD, Bus.....2120 E 47th St—Ken 1176  
 Mickelson, John.....St Maries, Ida  
 LD, Bus.....1906 E 45th St—Ken 2171  
 Middleton, Campbell M McK.....Vancouver, B C  
 LD, CE.....4045 Brooklyn Av—N 2410  
 Middleton, Eldorn Edson.....Yakima  
 Unc, Phar.....4305 15th Av NE—Ken 720  
 Middleton, Howard Newbury.....Seattle  
 Unc, Bus.....933 16th Av N—E 1858  
 Middleton, Hugh Molland.....Seattle  
 Unc, Min.....933 16th Av N—E 1858

- Middleton, Keith Cowper.....Seattle  
 LD, Bus....4632 18th Av NE—Ken 2827  
 Miescke, Paul Frederick.....Mabton  
 LD, Bus....4509 8th Av NE—N 945  
 Miffin, Wesley John.....Seattle  
 LD, LA....1007 E Republican St—Cap 3025  
 Milkoshi, Eleanor.....Mondale, Mont  
 LD, LA.....912 W 49th St  
 Miles, J Hunter.....Chehalis  
 LD, For.....1610 E 47th St—Ken 149  
 Miller, Alfred Amasa.....Seattle  
 LD, EE.....1722 Harvard Av—E 2874  
 Miller, Alfred Lawrence.....Seattle  
 UD, CE.....5250 18th Av NE—Ken 3072  
 Miller, Catherine Manola.....Aberdeen  
 Unc, FA.....  
 Miller, John Charles.....Seattle  
 LD, Bus.....4112 Eastern Av  
 Miller, George Cleo.....Seattle  
 LD, EE.....1908 E 68th St  
 Miller, Cora Mabel.....Portland, Or  
 LD, LA.....2004 E 52d St—Ken 92  
 Miller, Charles Edward.....Portland, Or  
 LD, LA.....5511 12th Av  
 Miller, Elveta Leon.....Seattle  
 LD, LA.....924 Bluet St—N 1275  
 Miller, Esther Jean.....Portland, Or  
 LD, LA.....815 38th Av—E 1737  
 Miller, Esther M.....Neligh, Neb  
 Unc, Sci.....5014 15th Av NE  
 Miller, Ethel Falmer.....Cle Elum  
 LD, FA.....4522 10th Av NE—Ken 1018  
 Miller, Eugene.....Seattle  
 LD, Bus.....5250 18th Av NE  
 Miller, Gladys Emily.....Yakima  
 LD, Bus.....Clark Hall, Campus—N 262  
 Miller, Helen Marie.....Seattle  
 UD, Ed.....1009 Naomi Pl—Ken 1122  
 Miller, Herman Erick.....Spokane  
 LD, Bus.....4550 18th Av NE—Ken 3072  
 Miller, Hope Elizabeth.....Seattle  
 LD, LA.....5250 18th Av NE  
 Miller, John Kerr Jr.....Seattle  
 LD, ME.....4522 18th Av NE—Ken 3631  
 Miller, Katharine Francis.....Seattle  
 LD, LA.....2012 E 46th St—Ken 2645  
 Miller, Lois Josephine.....Jerome, Ida  
 LD, Bus.....5262 15th Av NE—Ken 1809  
 Miller, Margaret E.....Tacoma  
 LD, LA.....4502 20th Av NE—Ken 685  
 Miller, Martha.....Jerome, Ida  
 LD, Ed.....5262 15th Av NE—Ken 1809  
 Miller, Max C.....Everett  
 LD, LA.....5247 Brooklyn Av—Ken 1478  
 Miller, Raymond Sylvester.....Tacoma  
 LD, Bus.....4528 20th Av NE—Ken 1301  
 Miller, Robert Earl.....Puyallup  
 Unc, ME.....4321 11th Av NE—Ken 3309  
 Miller, Roy Charles.....Wooster, Ohio  
 1st Law.....5703 18th Av NE—Ken 189  
 Miller, Sylvia Alice.....Toblar, Neb  
 2nd Law.....4045 Brooklyn Av—N 2416  
 Miller, Grace Thelma.....Seattle  
 LD, LA.....411 W Lee St—QA 1930  
 Miller, Vera Winona.....Seattle  
 LD, LA.....924 Bluet St—N 1275  
 Miller, Zelma Elizabeth.....Goldendale  
 LD, Ed.....Lewis Hall, Campus—N 162  
 Millett, Genevieve Louise.....Seattle  
 LD, FA.....510 E 47th St  
 Millet, Walter Edward.....Seattle  
 LD, Bus.....510 E 47th St  
 Millman, Loren Halcombe.....Seattle  
 LD, LA.....5247 15th Av NE—Ken 610  
 Mills, James Russell.....Seattle  
 LD, For.....119 E 52d St  
 Millsap, Neva Olivena.....White Salmon  
 Unc, LA.....5209 18th Av NE—Ken 446  
 Milne, James Donald.....Seattle  
 Unc, EE.....4742 15th Av NE  
 Milne, Marjorie.....Seattle  
 UD, LA.....4742 15th Av NE  
 Milton, Fletcher Roberts.....Ellensburg  
 UD, LA.....4030 11th Av NE  
 Milton, Lucy.....Ellensburg  
 LD, LA.....4030 11th Av NE  
 Mims, Margaret.....Coeur d' Alene  
 LD, LA.....4740 14th Av NE—Ken 1498  
 Minahan, Campbell Culley.....Seattle  
 LD, Sci.....738 17th Av N—E 4061  
 Minckler, Robert Lee.....Whitefish, Mont  
 LD, Bus.....4755 Brooklyn Av NE—Ken 766  
 Mines, Henry Walker.....Seattle  
 UD, Law.....4506 Univ Blvd—Ken 291  
 Minich, John McMillan.....Seattle  
 LD, LA.....1512 13th Av—E 8087  
 Minnis, Rose L.....Seattle  
 Sp, Ed.....1031 4th Av W  
 Minor, Ralph Kaylor.....Lynden  
 LD, EE.....Lander Hall, Campus—N 60  
 Minshall, Robert.....Tacoma  
 LD, ME.....4742 11th Av NE  
 Mitchell, Blanche Kathryn.....Seattle  
 LD, LA.....4555 5th Av NE  
 Mitchell, John Henry.....Parksview, B C  
 Sp, For.....4549 15th Av NE  
 Mitchell, John Tilton Jr.....Spokane  
 LD, Bus.....4506 Univ Blvd—Ken 291  
 Mitchell, Maize B.....Seattle  
 UD, Jour.....4506 Univ Blvd—Ken 291  
 Mitchell, Mary.....Seattle  
 LD, LA.....5264 14th Av NE  
 Mitchell, Ruby.....Seattle  
 UD, FA.....4321 Eastern Av—N 4099  
 Mitchell, William M.....Spokane  
 LD, ChB.....4506 Univ Blvd—Ken 291  
 Mithoug, Otis Julian.....Rockford  
 LD, EE.....  
 Mittelberger, Marion C.....Seattle  
 LD, LA.....3208 E Howell St—E 6258  
 Miyamoto, Elgo.....Seattle  
 Sp, Sci.....661 Washington St  
 Moberg, Alice Janet.....Mt Vernon  
 LD, FA.....1552 16th Av N—E 1540  
 Mock, James G.....Portland, Or  
 Unc, Bus.....2004 52nd St E  
 Modesitt, Loren Elis.....Kalspell, Mont  
 LD, Bus.....  
 Moen, O James.....Bellingham  
 Sp, Bus.....5736 Univ Blvd—Ken 3400  
 Moffat, Thomas.....Seattle  
 LD, Phr.....809 18th Av—E 5316  
 Mogan, Camilla J.....Seattle  
 UD, LA.....1118 Madison St—B11 5205W  
 Mohr, Esther.....Seattle  
 LD, LA.....522 24th Av S—Bea 3460  
 Moldstad, Harold A.....Mt Vernon  
 LD, LA.....4524 19th Av NE—Ken 570  
 Moldstad, H Corrinne.....Mt Vernon  
 LD, LA.....4524 Univ Blvd—Ken 2496  
 Molin, Alma Florence.....Portland, Or  
 LD, LA.....6318 19th Av NE—Ken 3334  
 Molin, Morris James.....Seattle  
 LD, Phr.....2202 25th Av N—E 3009  
 Moll, Celeste.....Arlington  
 LD, LA.....4547 Univ Blvd—Ken 1004  
 Moll, Cyril Arthur.....South Bend  
 LD, For.....4504 16th Av NE—Ken 647  
 Molliet, Erskine.....Parksview, B C  
 For.....  
 Moncrief, Lester.....Indianapolis, Ind  
 Unc, For.....5211 16th Av NE—Ken 3624  
 Monnet, Virgil.....Seattle  
 LD, EE.....7558 44th Av SW  
 Monroe, George Henry.....Ferndale  
 LD, LA.....1303 E 50th St—Ken 47

Montague, Eunice Elizabeth.....Seattle UD, LA.....1027 Bellevue Court—Cap 3025	Morgan, William Edward.....Marysville UD, For.....5038 Univ Blvd—Ken 490
Montano, Farmin.....Laoag, P I Unc, Ed.....1404 E 41st St	Morgenstern, Arthur.....Seattle LD, Bus.....604 11th Av N
Monteagle, Gwendolyn A.....Seattle UD, LA.....141 39th Av N—E 1550	Morhous, Delbert Miller.....Seattle LD, EE.....700 Warren Av
Monteagle, Vera Marie.....Seattle LD, LA.....141 30th Av N—E 1550	Moriarty, Charles P.....Seattle 3d, Law.....353 18th Av—E 3333
Montgomery, Florence Edna.....Puyallup Unc, FA.....5218 Univ Blvd—Ken 3212	Morley, Doris.....Colfax UD, LA.....5016 21st Av NE
Moody, Clark Wilbur.....Vancouver, Wash Sp, Bus.....Lander Hall, Campus—N 60	Morrill, Grace Eugenie.....Coupeville LD, EE.....4547 Univ Blvd—Ken 1004
Moody, Alan Kenneth.....Sherwood, Or Unc, For.....4041 Brooklyn Av	Morris, Alvin.....Seattle LD, EE.....149 Woodlawn Circle—Bal 2000
Mooney, Sheldon J.....Wenatchee Sp, Bus.....Wenatchee	Morris, Edward E.....Seattle LD, Bus.....1616 E 47th St—Ken 140
Moore, Byron Carr.....Seattle LD, Fish.....1906 E 45th St—Ken 2171	Morris, Eunice.....Kirkland LD, Bus.....Rt 1—Kirkland—QA 2600
Moore, Caroline L.....Tacoma LD, Jour.....4540 Univ Blvd—Ken 1002	Morris, John Harwood.....Seattle LD, EE.....RFD No 7
Moore, Clarence Francis.....Seattle Sp, Bus.....4505 18th Av NE—Ken 333	Morris, Josephine Mae.....Medical Lake UD, Ed.....5218 Univ Blvd—Ken 3212
Moore, Gerald Edward.....Seattle LD, Min.....6720 2d Av NW—Bal 2048	Morris, Leatta G.....Seattle UD, Sci.....4710 Univ Blvd—Ken 1857
Moore, Gertrude Edith.....Seattle Unc, FA.....6720 2d Av NW—Bal 2048	Morris, Maud Ethel.....Seattle Sp, LA.....5704 16th Av NE
Moore, Helene.....Seattle Grad.....160 37th Av N	Morrison, Clyde.....Ferdale, Cal LD, EE.....4331 Sunnyside Av
Moore, Jesse M.....Seattle Unc, Bus.....2442 N Broadway	Morrison, A Dorothy.....Ellensburg LD, LA.....2723 Boylston Av N—Cap 618
Moore, A Kenneth.....Hoquiam LD, Sci.....4746 20th Av NE	Morrison, Jessie E.....Bellingham Unc, Bus.....4523 18th Av NE
Moore, Lynn Clarence.....Wenatchee LD, Sci.....5212 18th Av NE	Morrison, A Kathryn.....Seattle LD, LA.....1934 Waite St—Bea 1412
Moore, C Lillienne.....Seattle LD, FA.....Laurelhurst—Ken 2708	Morrison, Pliny Grant.....Seattle LD, EE.....1934 Waite St—Bea 1412
Moore, Margaret.....Oakland, Or LD, Sci.....6720 2d Av NW	Morrison, Wendell W.....Zillah LD, Bus.....4704 18th Av NE
Moore, Nellie H.....Anacortes LD, LA.....5267 14th Av NE	Morrow, Cecil L.....Tacoma LD, Sci.....Washington Apts
Morash, Marion.....Puyallup LD, Phar.....1314 E Howell St	Morrow, Leona Marie.....Seattle LD, LA.....132 W 85th St—Bal 3488
Morales, Sergio M.....Philippines Unc, ChE.....1404 E 41st St	Morrow, Vuda Stella.....Seattle LD, Bus.....132 W 85th St—Bal 3488
Moran, Alice Clara.....Seattle Unc, LA.....727 16th Av N—E 1012	Morse, Glenn Erwin.....Chelan UD, Bus.....4305 15th Av NE—Ken 720
Moran, Gilbert.....Seattle Unc, Law.....4230 14th Av NE—N 1774	Morse, Laura Jeanette.....Seattle LD, LA.....955 18th StN—Cap 2112
Moran, Jean Mildred.....Seattle UD, Sci.....4109 12th Av NE	Morton, Della Grace.....Hood River, Or Sp, FA.....1918 N 48th St—N 1356
Moran, Jessie.....Seattle LD, LA.....727 16th Av N—E 1012	Morton, Rolin.....Seattle LD, LA.....5204 18th Av NE—Ken 2610
Moran, Malcolm Edward.....Rosario UD, Sci.....4520 21st Av NE—Ken 2000	Mosler, Harry.....Tekoa Unc, Law.....4528 20th Av NE
More, Glen.....Tacoma LD, EE.....4532 10th Av NE—Ken 2646	Mosler, Nate.....Seattle LD, LA.....1217 Yesler Way—Bea 1395
Morehead, Erwin.....Seattle Sp.....Seattle	Moss, J Ethel.....Donnelly, Ida UD, Sci.....5244 Univ Blvd—Ken 1051
Morehouse, Dorothy.....Seattle UD, LA.....1822 E 55th St—Ken 2352	Mott, Ava Francelle.....St John LD, Sci.....5229 19th Av NE
Moreland, Mildred.....Portland, Or LD, LA.....5201 19th Av NE—Ken 2958	Mott, Nevina.....St John LD, ME.....Seneca & Summit—E 7646
Morey, Adelaide Eastman.....Wenatchee Grad.....4518 16th Av NE—Ken 2053	Moteler, Deryl Livingston.....Leavenworth LD, Bus.....5211 16th Av NE
Morford, Helen Irene.....Seattle UD, Ed.....4548 Univ Blvd—K 2934	Motz, August Joseph.....Seattle UD, EB.....1020 Bailey St—Sid 472
Morgan, Frances Lillian.....Hoquiam LD, LA.....4508 16th Av NE—Ken 2708	Mousseau, Elizabeth White.....Seattle Sp, LA.....4242 11th Av NE—N 1732
Morgan, Guy C.....Aberdeen LD, Bus.....5212 18th Av NE—Ken 837	Mowers, Elsie S.....Seattle Unc, LA.....716 Boylston Av N—Cap 833
Morgan, Lloyd Warren.....Marysville LD, Bus.....5038 Univ Blvd—Ken 490	Muckleston, Stanley Morton.....Seattle LD, Fisheries.....2120 E 47th St
Morgan, Mabel M.....Yakima LD, LA.....5214 Univ Blvd	Mueller, Eugene A.....Seattle Unc, Law.....4325 15th Av NE—Ken 3452
Morgan, Ruth Helen.....Seattle LD, LA.....5026 15th Av NE—Ken 1687	Mueller, Marguerite Elizabeth.....Seattle LD, LA.....2338 Shoreland Dr
Morgan, Thomas Frank.....Tacoma LD, ME.....Lander Hall, Campus—N 60	Mulhern, Frances Adella.....Seattle LD, Sci.....3804 Dose Terrace—Bal 1802



Mulkey, Lowene .....	Seattle	Nadeau, (Mrs) Eleanor .....	Seattle
LD, LA.....5035 8th Av NE—Ken 2262		LD, FA.....3003 Harvard Av	
Mulkey, Lucile .....	Seattle	Nadeau, George F.....	Seattle
UD, FA.....5035 8th Av NE—Ken 2262		LD, ME.....3003 Harvard Av N	
Mullen, Doris Gertrude .....	Seattle	Naftzger, Margaret Anne.....	Seattle
LD, Sci.....2232 W 58th St—Bal 1171		LD, Bus.....716 E 47th St—Ken 2835	
Mullin, Samuel Eugene .....	Bellingham	Nagler, Russell A.....	Selah
LD, Bus.....5736 Univ Blvd—Ken 3400		LD, Sci.....4000 14th Av NE—N 9	
Munger, Ruth Williard.....	Watonga, Okla	Nash, John Kelly.....	Friday Harbor
UD, LA.....5229 19th Av NE—Ken 2082		Unc, Bus.....Lander Hall, Campus—N 60	
Muns, Zola Fern.....	Zillah	Nathan, Kenneth Robert .....	Seattle
LD, LA.....4551 Univ Blvd—Ken 501		LD, ME.....4101 Brooklyn Av	
Munson, James Ernest .....	Seattle	Naugle, Fern Elizabeth.....	Seattle
LD, Fish.....3808 Sunnyside Av—N 2547		UD, Ed.....Lewis Hall, Campus—N 162	
Munson, Richard Munrad .....	Seattle	Navidad, Jose.....	Philippines
Unc, Bus.....4616 21st Av NE—Ken 490		Unc, ME.....4738 Univ Blvd—Ken 787	
Murchison, Mary M.....	Tacoma	Neale, Bernice Amily.....	Seattle
LD, Sci.....740 16th Av N		Unc, FA.....1805 Ravenna Blvd	
Murcheson, M K.....	Seattle	Neal, W Edwin.....	Boise, Ida
Grad.....740 16th Av N—E 4090		LD, Bus.....2120 E 47th St	
Murfen, Marie G.....	Seattle	Neal, H Albert.....	Boise, Ida
LD, LA.....317 16th Av—E 6584		Unc, Bus.....2120 E 47th St	
Murphy, Edward R.....	Portland, Or	Nederlee, Anton Louis.....	
LD, Sci.....Lander Hall, Campus—N 60		UD, CE .....	
Murphy, Edward J.....	Seattle	Needham, George Herbert.....	Seattle
Unc, Sci.....423 N 46th St—N 2821		LD, Phar.....2608 Mayfair Av—QA 1935	
Murphy, George William .....	Spokane	Neely, Luella Phillipa.....	Tacoma
LD, Bus.....4550 18th Av NE—Ken 3072		LD, Sci.....5014 15th Av NE	
Murphy, George Daniel.....	Seattle	Neer, Margaret Ryta .....	Seattle
Sp, Bus.....1215 6th Av N—QA 2572		UD, FA.....533 19th Av—E 5201	
Murphy, Harold Morris .....	Arlington	Neergaard, Askenfeller Christine.....	Seattle
LD, Bus.....4550 18th Av NE—Ken 3072		UD, Ed.....1615 15th Av—E 3711	
Murphy, Harry Connacher.....	Portland, Or	Neffeles, Stuart Hunter.....	Everett
UD, For.....2120 E 47th St—Ken 1176		LD, Bus.....4524 10th Av NE—Ken 199	
Murphy, Judith Elizabeth.....	Kirkland	Neft, Fannie D.....	Seattle
LD, Sci.....Rt 2 Kirkland		UD, FA.....725 16th Av—E 2369	
Murphy, Matthew Franklin.....	Portland, Or	Neill, Delores Anne .....	Seattle
LD, EE.....Lander Hall, Campus—N 60		LD, LA.....6311 23d Av NE—Ken 3539	
Murphy, Mildred Pauline.....	Seattle	Neill, Vera .....	Oak Harbor
LD, Bus.....1104 James St—M 4710		UD, Ed.....4543 Univ Blvd—Ken 659	
Murray, Catherine Dorothy.....	Seattle	Nellson, Irene Margaret.....	Kallispell, Mont
LD, FA.....129 21st Av—Bea 2743		LD, FA.....3624 Whitman Av—N 2232	
Murray, Charles .....	Tacoma	Nelles, Roy .....	Seattle
LD, Sci.....1906 E 45th St—Ken 983		UD, EE.....4528 20th Av NE—Ken 1301	
Murray, Maurice .....	Roy	Nelson, Arthur Edward.....	Seattle
LD, Bus.....4504 16th Av NE—Ken 647		Sp, Sci.....1743 Summit Av—E 7757	
Murray, Millard .....	Roy	Nelson, Arthur Emil L.....	Seattle
LD, Bus.....4504 16th Av NE—Ken 647		UD, Jour.....4736 20th Av NE	
Murray, Percy M.....	Roy	Nelson, Arvid .....	Montborne
LD, Bus.....4504 16th Av NE—Ken 647		Unc, Bus .....	
Muykens, Henry H.....	Port Orchard	Nelson, Beulah Mae.....	Cashmere
LD, LA.....4730 Latona Av—N 1244		UD, Sci.....5511 Brooklyn Av—Ken 628	
Myer, Thelma A C.....	Seattle	Nelson, Carl Victor.....	Enumclaw
UD, Sci.....RFD 1, Box 323		UD, CE.....421 Leary Av—N 640	
Myers, Anna Louise.....	Pontiac, Ill	Nelson, Clarence Roy .....	Seattle
LD, Sci.....4710 Brooklyn Av—Ken 3795		LD, Fisheries.....1743 Summit Av—E 7757	
Myers, Dicie Mildred.....	Sumas	Nelson, Clifford David.....	Webster Groves, Mo
UD, Bus.....5802 8th Av NE		Sp.....1115 6th Av	
Myers, Donald Pope .....	Seattle	Nelson, Earl Calvin Moltzau.....	Seattle
Sp, Bus.....1504 36th Av—E 5940		UD, LA.....1811 7th Av W—QA 508	
Myers, Elmer Walter.....	Vashon	Nelson, Edith U.....	Leadville, Col
LD, ChE.....4181 14th Av NE		LD, LA.....323 30th Av N—E 6709	
Myers, Glen .....	Everett	Nelson, Ellen.....	Dillon, Mont
LD, Bus.....4505 18th Av NE		LD, LA.....5218 Univ Blvd—Ken 3212	
Myers, Harry Loren.....	Seattle	Nelson, Esther Olive.....	Mt Vernon
LD, Bus.....4519 1/2 14th Av NE—Ken 801		LD, Sci.....5625 15th Av NE—Ken 278	
Myers, Jack W.....	Seattle	Nelson, Eugene Gerald.....	Juneau, Alaska
LD, Law.....2603 4th Av N		UD, Min.....4522 18th Av NE—Ken 3681	
Myers, Margaret Esther.....	Sumas	Nelson, Everett J.....	Rolling Bay
UD, Sci.....5802 8th Av NE		LD, LA.....311 7th Av	
Myers, Thomas Franklin.....	Outlook	Nelson, Frances Marie.....	Seattle
Unc, LA.....4780 Brooklyn Av		Unc, LA.....713 84th Av—E 7303	
Myers, Wendell Blake.....	Seattle	Nelson, George Earl.....	Juneau, Alaska
Unc, FA.....123 Prospect Av		UD, Min.....4522 18th Av NE—Ken 3681	
Mykland, Albert A.....	Everett	Nelson, Gertrude .....	Seattle
Grad.....4254 7th Av NE		Unc, FA.....4238 12th Av NE	
		Nelson, Hilding .....	Seattle
		LD, Bus.....4408 Bagley Av—N 1074	

Nelson, James B.....	Indianapolis, Ind
LD, For.....	4506 Univ Blvd
Nelson, Laura B.....	Missoula, Mont
LD, LA.....	4238 12th Av NE
Nelson, Leone M.....	Seattle
LD, Bus.....	722 N 47th St.
Nelson, John Reid.....	Montbourne
Unc, Bus.....	4524 10th Av NE—Ken 199
Nelson, Minnie Marie.....	Seattle
LD, LA.....	3021 Univ Blvd—Bea 2586
Nelson, Ned H.....	Seattle
LD, ChE.....	1605 E 47th St
Nelson, Roy Battle.....	Everett
Unc, ME.....	4239 11th Av NE
Nelson, Valley Lily.....	Tacoma
LD, Sci.....	Lewis Hall Campus—N 126
Nelson, Verna Octavia.....	Olympia
LD, Sci.....	28 Dravus St
Nelson, Vernon D.....	Seattle
LD, Bus.....	5507 12th Av NE—Ken 1513
Nelson, Walter A.....	Seattle
Unc, EE.....	6518 Ravenna Av—Ken 3203
Nerland, Arthur Leslie.....	Seattle
LD, Bus.....	810 19th Av—E 6586
Nesbitt, Hubert Cedric.....	Goldendale
LD, For.....	5038 Univ Blvd—Ken 496
Nettleton, Marie Alice.....	Tacoma
Unc, LA.....	110 18th Av N—E 3042
Nettleton, Emily.....	Tacoma
UD, LA.....	4524 Univ Blvd—Ken 2496
Neubauer, Herbert Fred.....	Tacoma
LD, Sci.....	5010 14th Av NE
Neuman, Margaret.....	Bellingham
LD, LA.....	4718 Univ Blvd—Ken 1882
Neumann, Russell.....	Seattle
LD, CE.....	
Neville, John Adrian.....	Seattle
LD, ChE.....	
Newcomb, Wallace R.....	Olympia
Sp, Fish.....	5243 19th Av NE
Newdall, Clifford Olaf.....	Leavenworth
Unc, FA.....	
Newell, Laura.....	Everett
LD, Sci.....	1804B E 50th St
Newell, Phyllis Whittier.....	Seattle
LD, Ed.....	1615 1st Av W—QA 47
Newell, Robert Lewis.....	Everett
LD, Phar.....	
Newdall, Clifford O.....	Leavenworth
Unc, FA.....	
Newdall, Merritt M.....	Leavenworth
Unc, Bus.....	4704 18th Av NE
Newlore, Gwendolyn George.....	Ft Lawton
LD, LA.....	4524 Univ Blvd—Ken 2496
Newman, Andrew William.....	Elena
Unc, Law.....	4333 9th Av NE—N 1495
Newman, Leo L.....	Great Falls, Mont
Sp, LA.....	4203 11th Av NE
Newton, Arthur M.....	Everett
3d, Law.....	4520 21st Av NE—Ken 2600
Newton, Cornelia Elizabeth.....	Seattle
UD, LA.....	4418 53d Av—W 474M
Newton, Mary Howe.....	Portland, Or
LD, LA.....	5214 Univ Blvd—Ken 844
Ney, Marie Esther.....	Seattle
LD, Ed.....	1721 Yesler Way—Bea 1039
Nickolson, Bjorn.....	Seattle
LD, CE.....	615 E 50th St—Ken 3040
Nicholson, Georgia Anna.....	Seattle
LD, Ed.....	6016 20th Av NW—Bal 229
Nicholson, Leo Stanley.....	Heppner, Or
LD, LA.....	4223 15th Av NE
Nicol, Mildred Elizabeth.....	Garden Home, Or
Unc, Bus.....	1236 21st Av N—E 5464
Nicoll, Phila.....	Portland, Or
Unc, LA.....	4554 16th Av NE
Nielsen, William Alf.....	Spokane
LD, Bus.....	Lander Hall, Campus—N 60
Niemela, Jennie Marie.....	Kent
LD, Sci.....	Clark Hall, Campus—N 262
Niemela, Louis William.....	Centerville
Unc, LA.....	5608 Univ Blvd—Ken 1964
Nievenski, Joseph.....	Seattle
LD, LA.....	4316 8th Av NE
Nix, Martha Jeanette.....	Dresden, La
LD, LA.....	4546 18th Av NE—Ken 569
Noble, Doris Smith.....	Seattle
UD, Jour.....	188 Republican St—E 7670
Noble, Francis Richmond.....	Seattle
LD, Bus.....	726 3d Av
Nolan, Michael J.....	Centralia
LD, CE.....	4738 Univ Blvd
Noll, Mark Daniel.....	Seattle
LD, Bus.....	2326 N 51st St—N 1693
Nord, Swan Emanuel.....	Seattle
LD, Bus.....	
Nordhal, Emma Marie.....	Seattle
LD, Bus.....	808 24th Av N—E 7367
Nordby, Gladys Marguerite.....	Port Orchard
Unc, LA.....	1153 17th Av N—E 3487
Nordby, Margaret Anna.....	Nordland
LD, Bus.....	4705 16th Av NE—Ken 98
Nordlie, Glenn Justin.....	LD, EE
Nordstrom, Esther.....	Seattle
LD, FA.....	4535 18th Av NE—E 5366
Nordstrom, Everett.....	Seattle
Unc, Bus.....	2810 Montlake Blvd—E 5306
Norgore, Martin.....	Seattle
LD, Fish.....	Terry Hall, Campus—N 60
Norie, James Lester Jr.....	Seattle
Unc, ChE.....	1239 20th Av N—E 4345
Norman, Carl August.....	Chico
LD, EE.....	1214 Bellevue Av
Norman, Chris N.....	Seattle
Sp, LA.....	1009 7th Av—M 6117
Norman, Evelyn Minglis.....	Seattle
LD, Sci.....	806 34th Av—E 4610
Norquist, Melvin Alfred.....	Seattle
Unc, Bus.....	4506 Univ Blvd—E 8408
Norris, Clara.....	Seattle
Unc, LA.....	437 Emerson St—QA 3797
Norris, Ralph H.....	Medford, Or
Unc, Bus.....	1710 Ewing St—N 3137
Northfield, Donald.....	Seattle
LD, EE.....	
Northfield, Walter David.....	Seattle
LD, Bus.....	4506 Univ Blvd—Ken 201
Northquist, Oscar Eaver.....	Seattle
UD, ME.....	206 30th Av
Norton, Alice.....	Deer Harbor
LD, Bus.....	4513 Univ Blvd
Norton, Phillip L.....	Tacoma
LD, Bus.....	4524 19th Av NE—Ken 199
Norton, Robert.....	Olympia
Unc, Law.....	4918 Linden Av—N 3255
Norton, Ruth Arvilla.....	Seattle
LD, FA.....	1416 E 41st St—N 1404
Norton, Theodore Eli.....	Tacoma
Unc, Bus.....	4524 19th Av NE—Ken 199
Norweek, Edwin.....	Seattle
Unc, Bus.....	7537 12th Av NW—Bal 1303
Norwood, Annie.....	Seattle
UD, LA.....	740 22d Av N—E 8509
Nottingham, William Kennard.....	Portland, Or
Or, Sp, Bus.....	Lander Hall, Campus—N 60
Novak, Samuel.....	Seattle
Sp, ChE.....	1012½ Yesler Way
Novgaard, Adolph P.....	Seattle
Unc, LA.....	6016 49th Av SW
Nowlan, Emma Patricia.....	Seattle
LD, LA.....	2318 15th Av S—Bea 3194
Nrnelson, Harry Edward.....	Spokane
LD, Bus.....	4528 20th Av NE—Ken 1301
Null, J Edward.....	Seattle
LD, LA.....	5269 Brooklyn Av

Orrill, Betty .....Seattle  
UD, LA.....1610 5th Av W—QA 601  
Ort, Henry Kulp.....Centralla  
LD, EE.....Hotel Washington  
Osa, Lorents .....Tacoma  
LD, Ed.....Terry Hall, Campus—N 60  
Osgood, Ernest Wilkins .....Seattle  
Unc, ChE.....2524 1st Av W  
Ostensen, Harold Birge.....Bremerton  
LD, LA.....4743 19th Av NE—Ken 1251  
Osternd, Nena Dorothea.....Seattle  
UD, Sci.....4549 Thackeray Pl—N 2512  
Ostrand, Hildur Wilhelmina.....Seattle  
LD, LA.....1621 Bellvue Av  
Ostrander, Raymond Everett.....Seattle  
1st, Law.....4616 21st Av NE—Ken 490  
Ostrander, Ruth E.....Seattle  
LD, Sci.....1802 E 55th St—Ken 1350  
Ostrom, Cyrus Warren.....Seattle  
LD, EE.....2325 N 57th St  
Olaf, Oswald .....Seattle  
Sp, LA.....5515 28th Av NE—Ken 1723  
Otaka, Ray Kelzaburo.....Japan  
Grad.....4110 12th Av NE—N 3707  
Otis, Kenneth De Long.....Seattle  
LD, Bus .....  
Otis, Leota Beatrice.....Olympia  
LD, LA.....4547 19th Av NE—Ken 23  
Otis, Malcolm Jewell .....Seattle  
UD, ChE.....2146 4th Av W—QA 1548  
Ouellette, Margaret.....Olympia  
Unc, LA.....22nd NE and Ravenna Blvd  
Oulette, Victor Robert .....Olympia  
LD, Bus.....4706 14th Av NE  
Overguard, Julia Octavia.....Turner, Or  
Sp, Sci.....4223 9th Av NE  
Overton, George Ralph.....Seattle  
LD, Bus.....2353 14th Av  
Overton, Hubert .....Olympia  
Unc, Bus.....4706 14th Av NE  
Owen, Evelyn .....Seattle  
UD, LA.....4354 8th Av NE—N 4075  
Oweley, Joseph H.....Seattle  
LD, EE.....5027 Brooklyn Av  
Ozman, J Donald.....Yale, Or  
Unc, Bus.....4504 18th Av NE—Ken 541  
Pacey, John .....Seattle  
LD, Bus.....3116 Irving St—Bea 888  
Packard, Dexter Richards.....La Conner  
LD, ChE.....Lander Hall, Campus—N 60  
Packard, Le Fay Davy.....Tacoma  
UD, LA.....5218 Univ Blvd—Ken 3212  
Packer, Florence .....Seattle  
LD, Ed.....1944 7th Av W—QA 1402  
Page, Annie Celeste.....Matsqui, B C  
Sp, FA.....Lewis Hall, Campus—N 162  
Pake, Harold Edwin.....Seattle  
LD, Bus.....5317 8th Av NE—Ken 1636  
Pagett, Stuart Mounifard.....Portland, Or  
LD, ChE.....5264 14th Av NE  
Paine, Carol Margaret.....Boise, Ida  
UD, LA.....4238 12th Av NE—N 329  
Paine, Lawrence Cowley.....Spokane  
LD, LA.....4632 18th Av NE—Ken 2827  
Painter, Richard E.....Seattle  
Sp, LA.....4254 7th Av NE  
Palmer, Edith .....Centralla  
LD, Sci.....4739 16th Av NE—Ken 1230  
Palmer, Esther R.....Seattle  
Grad.....7906 Wilson Av—Rai 182W  
Palmer, Mildred Marion.....South Bend  
Unc, Bus.....6524 10th Av NE—Ken 1709  
Palmer, Milford Wallace.....Seattle  
Unc, Sci.....811 E Aloha St  
Palmquist, Albert John.....Enumclaw  
Unc, Phar.....4235 10th Av NE  
Panchot, Dwight Harrison.....Seattle  
LD, Bus.....5227 15th Av NE—Ken 2582

Parchman, Alice De Sumner.....Anacortes  
UD, Ed.....4703 18th Av NE—Ken 2826  
Pardo, Jess Allen.....Seattle  
LD, MB.....3420 Fremont Av  
Parent, Amand .....Tacoma  
Unc, CE.....5248 19th Av NE—Ken 3480  
Parish, Herbert Ivan.....Centralla  
Unc, EE.....1205 E 45th St  
Park, Arthur Brock .....Seattle  
LD, CE.....525 Columbia St—E11 5240J  
Park, Etta Madge.....Seattle  
LD, Ed.....708 W Halladay St—QA 1393  
Parke, Charles G.....Bellingham  
LD, Bus.....5243 19th Av NE  
Parker, David Lyman.....Vashon  
LD, LA.....1616 E 63d St—Ken 1225  
Parker, George Burnett.....Seattle  
UD, Bus.....4512 15th Av NE—Ken 3665  
Parker, Alice Lella.....Seattle  
Grad.....1409 E Prospect St—Cap 3727  
Parker, John Allen.....Seattle  
UD, LA.....4512 15th Av NE—Ken 3665  
Parker, Lester Thomas.....Elma  
LD, Bus.....1605 E 47th St  
Parker, Marie .....Seattle  
LD, Ed.....4743 19th Av NE—Ken 1251  
Parker, Minnie L.....Seattle  
Sp, Sci.....809 5th Av  
Parker, William Arthur.....Seattle  
UD, Bus.....4743 19th Av NE—Ken 1251  
Parkes, Frederic Elgin.....McMinnville, Or  
Grad.....1420 8th Av  
Parkhouse, Russell Kerstetter.....Seattle  
LD, FA.....2727 E 54th St—Ken 758  
Parkin, Ellis Roughlea.....Seattle  
LD, LA.....2003 Federal Av—Cap 2571  
Parkins, Wright Almen.....Seattle  
LD, ME.....2312 Fairview Av—Cap 3316  
Parr, James Floyd.....Platte City, Mo.  
LD, EE.....Gen Del  
Parrington, Elizabeth .....Seattle  
LD, LA.....5248 19th Av NE—Ken 1243  
Parriah, Frank Jr.....Seattle  
LD, Bus.....9423 58th St S—Rai 237M  
Parry, George Stanley.....Coulee City  
LD, Bus.....5503 16th Av NE—Ken 1558  
Parsons, Elvey Tillman.....Seattle  
UD, Ed.....1814 E 70th St  
Partlow, Katherine.....Olympia  
LD, Sci.....2012 E 45th St—Ken 2645  
Partridge, Ruth .....Seattle  
UD, Sci.....4542 14th Av NE—Ken 1952  
Partridge, Ruth Evangeline.....Seattle  
Unc, LA.....3117 N 63d St—Ken 1402  
Parsons, Lucille M.....Seattle  
LD, Sci.....1122 Grand Av—E 3607  
Patchin, Wilber Harmon.....Seattle  
Grad.....3927 11th Av NE—N 1045  
Patek, Ralph Carroll.....Seattle  
Unc, Law.....7500 Wilson Av—Rai 41  
Paterson, Robert Arden.....Spokane  
LD, Bus.....1820 Federal Av  
Patten, Maurice William.....Seattle  
LD, ME.....1515 6th Av W—QA 2634  
Patterson, Bernice Lillian.....Puyallup  
LD, Sci.....5218 Univ Blvd—Ken 3212  
Patterson, Hiram S.....Seattle  
Unc, Law.....1015 Columbia St  
Patterson, W Albert.....Bellingham  
LD, Bus.....4503 Univ Blvd—Ken 236  
Pattison, Evelyn .....Seattle  
UD, FA.....5225 Univ Blvd—Ken 1717  
Pattison, Mary A.....Spokane  
LD, FA.....4714 Univ Blvd  
Patton, Richard Will.....Yakima  
LD, EE.....4738 Univ Blvd—Ken 187  
Patton, Robert Taylor.....Spokane  
LD, Bus.....4542 18th Av NE—Ken 2494

Null, M Michael.....Seattle  
 Grad.....7452 Green Lake Blvd  
 Nusbaum, Keith Westbrook.....Pocatello, Ida  
 1st, Law.....2120 E 47th St—Ken 1176  
 Nussbaum, Emory.....Tacoma  
 Unc, ChE.....4338 11th Av NE—Ken 2501  
 Nutley, Cyril Arthur.....Seattle  
 Unc, Bus.....4308 9th Av NE—N 2715  
 Nutley, Lucile.....Seattle  
 Sp, FA.....4308 9th Av NE—N 2715  
 Nuttall, Mildred.....Coupeville  
 Unc, LA.....4238 12th Av NE—N 329  
 Nygard, Erich.....Finland  
 LD, EE.....Faculty Club, Campus  
 Nydin, Alf Clarence.....Seattle  
 LD, LA.....7534 Univ Blvd  
 Nylander, Towne Joseph.....Seattle  
 LD, Ed.....1514 Boren Av—E11 1813W  
 Numan, Andrew Dervey.....Custer  
 LD, EE.....Lander Hall, Campus—N 60  
 Nvquist, Marie Beatrice.....Seattle  
 LD, EE.....1023 E 62d St

Oakes, Ruth Elsie.....Seattle  
 LD, LA.....Lewis Hall, Campus—N 162  
 Oakley, George Daniel.....Seattle  
 Sp, Law.....4110 Brooklyn Av  
 Oass, Dan.....Seattle  
 LD, ME.....2117 N 63rd St  
 Ober, Beatrice Josephino.....Seattle  
 LD, Bus.....115 Olympic Pl—QA 3091  
 Ober, John Elliot.....Seattle  
 LD, Bus.....4216 21st Av NE—Ken 490  
 O'Brien, Margaret Mary.....Seattle  
 LD, Ed.....1728 Naomi Pl—Ken 1672  
 O'Brien, Margaret Phillis.....Seattle  
 LD, LA.....9847 Arrowsmith Av—Ral 447  
 O'Brien, Paul.....Conrad, Mont  
 UD, Bus.....5212 18th Av NE—Ken 887  
 O'Brien, Robert Stewart, Jr.....Spokane  
 LD, Bus.....1616 E 47th St—Ken 149  
 Obye, Herschel.....Yamhill, Or  
 LD, Bus.....4637 12th Av NE  
 O'Callaghan, Claud V.....Bonners Ferry, Ida  
 LD, Bus.....4505 18th Av NE  
 Ochoa, Euselle.....Philippines  
 Unc, CE.....4540 15th Av NE—Ken 559  
 O'Connell, Charles W.....Kallispell, Mont  
 LD, Bus.....4714 Univ Blvd—Ken 2253  
 O'Connor, J Matthew.....Seattle  
 UD, LA.....1407 E 45th St  
 O'Connell, Ambrose T.....Westminister, B C  
 Sp, For.....2501 E Ward St  
 Odegard, Paul Nichols.....Seattle  
 LD, Bus.....764 Belmont Pl  
 Odegard, Peter H.....Seattle  
 LD, LA.....764 Belmont Pl  
 Oertel, Daniel T.....Blaine  
 Unc, Law.....5038 Univ Blvd—Ken 496  
 Oertel, Ernest Edward.....Seattle  
 UD, LA.....4532 Sunnyside Av  
 O'Farrell, Kathleen.....Seattle  
 LD, Ed.....1414 E Harrison St—Cap 1144  
 O'Farrell, Ruth Eileen.....Orting  
 Unc, LA.....1821 E Union St—E 4555  
 Ogate, Kokichi.....Seattle  
 LD, Bus.....1533 25th Av  
 Ogden, Lawton.....Seattle  
 LD, Min.....1835½ 10th Av W—QA 423  
 Ogle, Cecil.....Everett  
 LD, ChE.....2821 W 60th St  
 O'Hore, Thomas Kearney.....Aberdeen  
 LD, Bus.....4503 Univ Blvd  
 Ohtaguro, Toshio.....Japan  
 Grad.....4300 4th Av NE—N 3073  
 Okajima, Thelma Shizu.....Japan  
 Unc, LA.....1217 E Terrace St—E 2912

Okazaki, Iowao.....Japan  
 LD, LA.....661 Washington St—E11 2507  
 O'Keefe, Valeska Jessie.....Seattle  
 LD, Sci.....2117 E 55th St—Ken 2383  
 O'Keefe, Marie Elsie.....Seattle  
 LD, LA.....2117 E 55th St—Ken 2333  
 O'Leary, Frank.....Seattle  
 LD, ChE.....208 Queen Anne Av—QA 1332  
 Oleson, Mildred Elizabeth.....Seattle  
 LD, LA.....23 W Newell St—QA 422  
 Olsen, Amas Floyd.....Davenport  
 LD, Bus.....1605 E 47th St  
 Olsen, Carl.....Stanwood  
 LD, CE.....608 E 45th St  
 Olsen, Oscar M.....Chinook  
 LD, Fish.....4503 Univ Blvd  
 Oliver, Lawrence.....Hoquiam  
 LD, Min.....5043 18th Av NE—Ken 980  
 Oliver, Roneta.....Seattle  
 LD, LA.....6025 Palatine Av—Bal 679  
 Olmstead, Fred M.....Coeur d'Alene, Ida  
 LD, Bus.....4734 12th Av NE—Ken 1355  
 Olsen, Edwin.....  
 Sp, EE.....  
 Olsen, Helen Marie.....Seattle  
 Unc, LA.....936 30th Av  
 Olsen, Selma.....Chinook  
 UD, Ed.....5218 Univ Blvd—Ken 3212  
 Olson, Beatrice Mildred.....Madras, Or  
 LD, Sci.....308 Lewis Hall, Campus—N 60  
 Olson, Edward Norman.....Seattle  
 LD, Bus.....4016 16th Av NE—Ken 490  
 Olson, Helen Frances.....Seattle  
 LD, LA.....3315 E 60th St—Ken 327  
 Olson, Lillian Eleanor.....Mt. Vernon  
 LD, Sci.....4732 21st Av NE—Ken 119  
 Olson, Mabel Francis.....Mt. Vernon  
 LD, Phar.....4732 21st Av NE—Ken 119  
 Olson, Marguerite.....Tacoma  
 LD, LA.....4543 18th Av NE—Ken 659  
 Olson, Myrtle Dorothy.....Selah  
 Sp, FA.....818 Roanoke Av—Cap 805  
 Olson, Theodore Lawrence.....Rolling Bay  
 Unc, Bus.....  
 Olswang, Edith.....Seattle  
 LD, LA.....  
 Olwell, Eugene Edward.....Spokane  
 LD, Bus.....2120 E 47th St—Ken 1176  
 O'Neil, Albert Brigman.....Tillamook, Or  
 LD, Min.....4505 18th Av NE—Ken 333  
 O'Neill, John H.....Seattle  
 LD, LA.....4616 21st Av NE  
 O'Neill, Agnes U.....Spokane  
 LD, LA.....2012 E 45th St—Ken 2645  
 O'Neill, Hilbert Earl.....Castle Rock  
 Unc, Sci.....7860 E Greenlake Way  
 O'Neill, Thomas Richard.....Shelton  
 LD, Bus.....4532 18th Av NE—Ken 2827  
 O'Neill, Francis Glynn.....Seattle  
 LD, Bus.....7860 E Greenlake Way—Ken 7  
 Ong, Emma Zella.....Seattle  
 LD, FA.....1804 E 50th St  
 Onsun, Elizabeth E.....Seattle  
 LD, FA.....806 E 55th St  
 Orue, Stanley Merrick.....Everett  
 LD, LA.....4505 18th Av NE—Ken 333  
 O'Rear, Clyde Shaw.....Seattle  
 UD, ME.....3718 30th Av W—QA 3176  
 Orosa, Jose.....Philippines  
 LD, Bus.....4742 Brooklyn Av  
 Orosa, M Maria.....Philippines  
 UD, Phar.....4742 Brooklyn Av—Ken 1847  
 Orr, Dwight.....Tacoma  
 LD, Bus.....4540 15th Av NE—Ken 475  
 Orrell, Jessie.....Seattle  
 UD, Ed.....812 Allen Place  
 Orrett, Barbara.....Tacoma  
 LD, Bus.....4543 18th Av NE

- Paulik, Andrew .....Carbunais  
 LD, EE.....5243 10th Av NE—Ken 8846  
 Paulsen, Mary Angeline.....Seattle  
 LD, Sci.....4026 11th Av NE  
 Paup, Everett Oliver.....Ketchikan, Alaska  
 Unc, Bus.....4550 18th Av NE—Ken 8072  
 Paup, Helen Alaska.....Ketchikan, Alaska  
 Unc, Bus.....4610 Bagley Av  
 Payne, Solomon Luther.....Seattle  
 Unc, Ed.....5529 27th Av NE—M 5208  
 Payne, De Witt Talmage.....Seattle  
 Sp, CE.....6500 4th Av NW—Bal 2655  
 Peacock, Louis F.....Seattle  
 LD, ChE.....4023 14th Av NE  
 Peake, Roswell B.....Portland, Or  
 LD, Bus.....1712 Ravenna Blvd  
 Pearce, John Kenneth.....Yamhill, Or  
 LD, For.....4505 18th Av NE—Ken 333  
 Pearce, Hal Edgar.....Seattle  
 LD, Min.....4515 W Alasa St  
 Pearson, Eli Gustaf.....Gertrude  
 Unc, EE.....201 E 42nd St  
 Pearson, Eugene .....Pullman  
 Sp, EE.....4th S & Main—New Richmond  
 Pease, Myrtle Elveret.....Marysville  
 LD, EE.....5023 16th Av NE  
 Peaslee, George Monroe.....Seattle  
 LD, ChE.....1720 Boylston Av  
 Peden, Barton E.....Yakima  
 LD, Sci.....617 Kilbourne St  
 Pederson, Anna M.....So Bend  
 Unc, Bus.....4547 Univ Blvd  
 Peers, Rufus I.....Wenatchee  
 LD, EE.....  
 Pelton, Lester Albert.....Spokane  
 Unc, Bus.....4308 9th Av NE—N 2715  
 Pelz, Irma M.....Seattle  
 LD, Sci.....1502 E Garfield St  
 Pelz, Freda.....Seattle  
 LD, Bus.....1502 E Garfield St—E 1564  
 Penberthy, Clara L.....Seattle  
 LD.....2837 38rd Av So  
 Penas, Nazario .....Philippines  
 Sp, For.....4308 9th Av NE—N 2715  
 Pendergast, Hugh William.....Seattle  
 UD, MB.....403 Roy St—QA 3047  
 Pendleton, Francis S.....Everett  
 LD, Fisheries.....4503 Univ Blvd—Ken 236  
 Penland, Elledge Randolph.....Seattle  
 LD, LA.....1205 Washington St—Bea 2880  
 Penn, Joseph D.....Aberdeen  
 LD, Bus.....1616 E 47th St—Ken 149  
 Pennell, Dorothy Winifred.....Seattle  
 Unc, Ed.....5307 Ravenna Blvd  
 Pennock, John Colman.....Seattle  
 LD, EE.....4714 15th Av NE—Ken 2121  
 Pepper, Echo.....Seattle  
 UD, Sci.....2321 Franklin Av—Cap 2800  
 Perego, Leona.....Nehalem, Or  
 Unc, Ed.....4308 11th Av NE—N 3457  
 Perego, William H.....Nehalem, Or  
 LD, Ed.....4549 15th Av NE—Ken 1207  
 Perelle, Emma Mary.....Juneau, Alaska  
 LD, Ed.....5222 Univ Blvd—Ken 1582  
 Perkins, Frank Raymond.....Montesano  
 LD, LA.....4532 18th Av NE—Ken 2827  
 Perkins, Gwendolyn.....Seattle  
 UD, Ed.....1407 E 45th St—Ken 1597  
 Perkins, Jennie Belle.....Hillsdale, Or  
 LD, LA.....4513 12th Av NE  
 Perkins, Julian F.....Ft. Steilacoom  
 Unc, Bus.....4738 Brooklyn Av—Ken 1910  
 Perkins, Melville Fletcher.....Ft. Steilacoom  
 LD, ChE.....4142 12th Av NE—N 560  
 Perlin, Solomon A.....Seattle  
 Sp, CE.....Lander Hall, Campus—N 60  
 Perry, Gladys Henrietta.....Portland, Or  
 LD, Bus.....4543 Univ Blvd—Ken 659  
 Persons, George Allen.....Clarkston  
 LD, EE.....5208 Brooklyn Av—Ken 1077  
 Pesariello, Francisco .....Philippines  
 Sp, MB.....3140 Franklin Av  
 Pessemier, Claire Adelle.....Tacoma  
 LD, FA.....2012 E 45th St—Ken 2045  
 Peters, Arthur Carroll.....Seattle  
 LD, CE.....1728 E 62nd St  
 Peters, Evan .....Yakima  
 LD, LA.....1605 E 47th St—Ken 84  
 Peters, Jennings Dewey.....Spokane  
 LD, ChE.....4522 16th Av NE—Ken 690  
 Peters, John C.....Seattle  
 SC, Min.....  
 Peterson, Anita Mary.....Tacoma  
 LD, Ed.....Lewis Hall, Campus—N 162  
 Petersen, Axel Herman.....Tacoma  
 UD, ChE.....4522 18th Av NE—Ken 5681  
 Peterson, Axel Alvin.....Seattle  
 Unc, ChE.....2316 N 45th St  
 Peterson, Benjamin E.....Seattle  
 Sp, LA.....1724 E 55th St—Ken 2037  
 Peterson, Clarence C.....Hoquiam  
 LD, CE.....1014 Minor Av—E11 8975  
 Peterson, Clarence Walter.....Summer  
 UD, LA.....4530 14th Av NE—Ken 555  
 Peterson, Clifford Arthur.....Seattle  
 LD, EE.....1511 Boylston, Av  
 Peterson, Ewart Elias.....Seattle  
 LD, ME.....1118 13th Av—E 3051  
 Peterson, Frank William.....Bellingham  
 Grad .....YMCA—M 5208  
 Peterson, Gladys L.....Eagle Bend, Minn  
 UD, Sci.....912 E 42nd St—N 1795  
 Peterson, Grace Howard.....Seattle  
 Sp, LA.....5521 1/2 12th Av NE  
 Peterson, Guy Herbert.....Seattle  
 LD, EE.....6507 Jones Av NW  
 Peterson, Hilde.....Hamilton, Mont  
 Unc, Bus.....943 N 103d St  
 Peterson, Edward Jennings.....Seattle  
 LD, LA.....5335 Tallman Av  
 Peterson, Katherine Willard.....Spokane  
 LD, Bus.....5208 Univ Blvd—Ken 3005  
 Peterson, Margaret R.....Seattle  
 LD, FA.....1842 12th Av So  
 Peterson, Milton La Verne.....Spokane  
 LD, Bus.....5212 18th Av NE—Ken 887  
 Peterson, Olga.....Bridgeport  
 Sp, Phar.....4718 20th Av NE  
 Peterson, Orriette Leona.....Leavenworth  
 Unc, LA.....4547 Univ Blvd  
 Peterson, Richard F.....Tacoma  
 LD, Bus.....  
 Peterson, Richard Nelson.....Everett  
 LD, Phar.....4703 10th Av NE  
 Peterson, Walter R.....Pt Blakely  
 LD, Sci.....4528 20th Av NE  
 Peterson, Roy Gayheart.....Aberdeen  
 LD, Bus.....4307 11th Av NE—N 3475  
 Peterson, Wallace O.....Seattle  
 UD, Bus.....5015 Univ Blvd—Ken 3169  
 Petrie, James.....Seattle  
 LD, ME.....4348 8th Av NE  
 Petseys, Fred Elmer.....Seattle  
 Jr, Min.....9801 60th Av So  
 Pettitt, Florence Mabel.....Seattle  
 UD, LA.....722 N 47th St—N 1426  
 Pettitt, Ruth .....Kent  
 LD, LA.....4238 12th Av NE—N 829  
 Pettit, Helen.....Seattle  
 Unc, Sci.....1513 36th St—E 6152  
 Pettyjohn, Carrie.....Prescott  
 LD, Sci.....4017 8th Av NE—N 1325  
 Peycke, Gertrude.....Seattle  
 LD, LA.....911 Lakeview Blvd—Cap 1264  
 Peyser, Ethan Allen.....Cedarhurst  
 1st, Law.....1006 E 45th St—Ken 2171

Pfeuer, Philip Paul.....	Grangeville, Ida
LD, Sci.....	4736 18th Av NE
Pfeuter, Rosa Katherine.....	Grangeville, Ida
LD, Bus.....	4736 18th Av NE
Phelps, Grace Marie.....	Dryad
UD, Sci.....	4538 15th Av NE—Ken 1482
Phelps, Howard Rodney.....	Stevenville, Mont
LD, EE.....	4318 4th Av NE
Phillips, Beth.....	Seattle
LD, Sci.....	6406 Brooklyn Av—Ken 1379
Phillips, Philip.....	Yakima
LD, Bus.....	4503 Univ Blvd—Ken 236
Phillips, Richard Thomas.....	Seattle
LD, Sci.....	4582 19th Av NE—Ken 2646
Phillips, Alfred B.....	Vancouver, Wash
LD, LA.....	4550 18th Av NE—Ken 3072
Phillips, Constance D.....	Seattle
Unc, LA.....	5770 26th Av NE—Ken 3542
Phillips, Herbert.....	Seattle
LD, EE.....	509 21st Av—E 5474
Phillips, Herbert Joseph.....	Seattle
UD, LA.....	1407 E 45th St—Ken 1743
Phillips, Jack W.....	Hadloch
LD, Phar.....	1525 4th Av S—Bea 2450
Phillips, Kenneth Guthrie.....	Vancouver, Wn
Unc, Jour.....	4550 18th Av NE—Ken 3072
Phillips, Phyllis.....	Seattle
LD, FA.....	1629 Harvard Av—E 940
Phillips, Reimer Goldsmith.....	Benton
LD, LA.....	5015 Univ Blvd—Ken 3169
Phillips, Ruth Irene.....	Seattle
Unc, LA.....	102 Ballard Place—Bal 3736
Phillips, Ruth Naomi.....	Seattle
UD, Sci.....	1407 E 45th St—Ken 1743
Phillips, Wendell.....	Seattle
Unc, EE.....	5810 16th Av NE—Ken 2662
Phipps, Frank William.....	Hamilton, Wash
UD, CE.....	4724 9th Av NE—Ken 2919
Platt, Genevieve M.....	Seattle
LD, LA.....	5525 16th Av NE
Platt, Mary Patricia.....	Seattle
Unc, LA.....	4019 15th Av NE—N 725
Pickard, Burton W.....	Seattle
Unc, Bus.....	5212 18th Av NE
Pickens, Sarah G.....	La Grande, Or
LD, For.....	6548 19th Av NE—Ken 2185
Pickrell, Evelyn.....	Spokane
UD, LA.....	4535 18th Av NE—Ken 1429
Pickrell, Lucille Lenore.....	Spokane
LD, Sci.....	5203 18th Av NE—Ken 2810
Pidduck, Ruth Isabelle.....	Seattle
LD, LA.....	Seattle—E 1680
Pierce, Clarence Welcome.....	Portland, Or
Unc, LA.....	5511 12th Av NE
Pierce, Gordon.....	Great Falls, Mont
LD, Bus.....	5217 21st Av NE
Pierce, Nelson Cole.....	Seattle
LD, LA.....	4707 Thackeray Pl—N 527
Pierce, Warren David.....	Seattle
LD, Bus.....	138 E 60th St
Pieroth, John Philip.....	Ellensburg
UD, Sci.....	1006 E 45th St—Ken 2171
Pierrot, George Francis Jr.....	Cathlamet
UD, Jour.....	4505 18th Av NE—Ken 333
Pierrot, Marjorie.....	Cathlamet
UD, Ed.....	Clark Hall, Campus—N 262
Pigott, William.....	Seattle
UD, Min.....	4733 Univ Blvd—Ken 2580
Pihlgren, Freda.....	Seattle
Unc, FA.....	4215 12th Av NE
Pelgerrin, Arthur Jay.....	Twin Falls, Ida
LD, LA.....	5012 10th Av NE
Pimentel, Rufino P.....	Philippines
LD, ME.....	YMCA—M5208
Pinkerton, Ralph Willis.....	Tacoma
LD, LA.....	1906 E 45th St—Ken 2171
Pinneo, Katherine Emily.....	Seattle
Unc, FA.....	4547 10th Av NE—Ken 23
Pinney, Marcus J.....	Ontario, Or
LD, LA.....	4530 14th Av NE
Pinney, William George.....	Ontario, Or
UD, LA.....	4530 14th Av NE—Ken 555
Pitka, Jennings Arthur.....	Seattle
LD, Bus.....	2915 Grand St—Bea 1832
Pitman, B Franklin.....	Chadron, Neb
UD, Bus.....	4704 18th Av NE—Ken 541
Pittelkau, Arthur Samuel.....	Seattle
LD, Bus.....	4471 Whitman Av—N 260
Pitzer, Carl August.....	Tacoma
LD, FA.....	708 E Denny Way—Cap 558
Phelan, Edward Newhall.....	Everett
LD, Bus.....	5011 7th Av NE
Plank, Alta Mae.....	Seattle
LD, LA.....	2220 Yale Av N—Cap 2134
Platt, Gladys Hope.....	Seattle
UD, Lib.....	4223 10th Av NE—N 4004
Platt, Ruth Elizabeth.....	Seattle
LD, Sci.....	7107 Rainier Av—Ral 945R
Playter, Mirle Denison.....	Seattle
UD, LA.....	5524 16th Av NE—Ken 1767
Plummer, Donald I.....	Tacoma
LD, For.....	4505 18th Av NE—Ken 333
Plummer, Frank Morris.....	Port Townsend
LD, Bus.....	Medina
Pochert, Arthur Dean.....	Tacoma
LD, Sci.....	Lander Hall, Campus—N 60
Podmore, John Arthur.....	Spokane
UD, Ed.....	4330 11th Av NE
Pole, Gordon Reginald.....	Tacoma
LD, CHE.....	4505 18th Av NE—Ken 333
Pollack, Augustus.....	Tacoma
LD, Bus.....	1511 Grand Av—E 947
Pollock, Elden Decatur.....	Seattle
LD, LA.....	2338 N Broadway—Cap 456
Pollom, Raymond Earl.....	Chehalis
LD, Sci.....	3945 15th Av NE
Polson, Charles Stuart.....	Hoquiam
LD, For.....	4503 Univ Blvd—Ken 236
Pond, Elizabeth Bradford.....	Seattle
LD, LA.....	1416 38th Av—E 3429
Ponder, Russell Lee.....	Chehalis
LD, LA.....	Terry Hall, Campus—N 60
Pool, Esson J.....	Wenatchee
LD, Bus.....	4704 18th Av NE
Pool, William Franklin.....	Seattle
Unc, LA.....	4730 5th Av NE
Poole, Elmer Gordon.....	McMinnville, Or
LD, Min.....	Lander Hall, Campus—N 60
Pooley, Ward Samuel.....	Spokane
LD, LA.....	4541 11th Av NE
Poolton, Frederick Arthur.....	Lind
LD, LA.....	1825 23rd Av
Pope, Augustus Russell.....	Seattle
LD, ME.....	4522 18th Av NE—Ken 3681
Pope, Ezra Tobey.....	Seattle
UD, MS.....	4522 18th Av NE—Ken 3081
Porep, Edward Walter.....	Seattle
LD, Bus.....	5212 18th Av NE—Ken 887
Porter, Barton Frederick.....	Thorp
Unc, Bus.....	Lander Hall, Campus—N 60
Porter, Charles E.....	Thorp
Sci.....	
Porter, Dott.....	Remington, Ind
LD, LA.....	4718 20th Av NE—Ken 2315
Porter, Earl.....	Riparian, N Y
Unc, For.....	1504 13th Av S
Porter, Frank Douglas.....	Raymond
LD, Bus.....	816 Broadway
Posner, Max.....	Seattle
Sp, CE.....	Campus Barracks
Post, Ada Margaret.....	Seattle
Sp, LA.....	5719 27th Av NE—Ken 3307
Potter, Claude Arther.....	Ridgerfield
LD, EE.....	4522 18th Av NE—Ken 3681
Potter, Paul Stevens.....	Lake Crescent
LD, ME.....	4254 7th Av NE—N 3795

- Potter, Roy Morley.....Seattle  
 Unc, Bus.....822 12th Av—E 5802
- Powell, Charles Lawrence.....Selah  
 LD, LA.....Lander Hall, Campus—N 80
- Powell, Frederick Jr.....Tacoma  
 LD, ChE.....4582 18th Av NE—Ken 2827
- Powell, Mary Dayton.....Selah  
 LD, Ed.....4502 20th Av NE
- Power, Harry R.....Chehalis  
 LD, Bus.....4616 21st Av NE—Ken 490
- Power, William.....Kamloops, B C  
 LD, LA.....4549 15th Av NE
- Powers, Francis Fountain.....Tacoma  
 LD, LA.....4554 16th Av NE
- Powers, Francis Joseph.....Seattle  
 LD, Ed.....5413 21st Av NE—Ken 2790
- Powers, Madeleine.....Seattle  
 LD, Sci.....5413 21st Av NE—Ken 2790
- Powers, Marie Kraft.....Seattle  
 LD, LA.....1414 East Roy St—Cap 400
- Powers, Victor D.....Seattle  
 UD, For.....1727 Broadway—E 5160
- Powley, Louise Wilmont.....Seattle  
 LD, Sci.....2527 32nd Av S—Bea 851
- Powley, Verna May.....Seattle  
 Unc, Bus.....2527 32nd Av S—Bea 851
- Powlison, Lucile Alice.....Seattle  
 UD, LA.....4530 Univ Blvd—Ken 983
- Porsky, Tyne Christine.....Astoria, Or  
 UD, LA.....5214 Univ Blvd—Ken 844
- Pratt, Helen.....Seattle  
 UD, Bus.....5221 12th Av NE—Ken 3342
- Pratt, James Weldon.....Tacoma  
 LD, ME.....4520 21st Av NE—Ken 2600
- Pratt, Reginald.....Spokane  
 LD, ME.....4520 21st Av NE—Ken 2600
- Preppernau, Charles.....Kent  
 LD, LA.....
- Prescott, Daniel Corbin.....Spokane  
 LD, ME.....1605 E 57th St—Ken 2481
- Prescott, Mildred Emmeline.....Seattle  
 LD, LA.....5254 12th Av NE—Ken 2379
- Presley, Dorothea.....Seattle  
 UD, Sci.....2603 Boylston Av N—Cap 2188
- Presentin, Marie Olga.....Seattle  
 UD, Bus.....5016 12th Av NE—Ken 1608
- Prest, James Irving.....Chicago, Ill  
 Grad.....1408 E 42nd St—N 48
- Preston, Frank Manly.....Seattle  
 3d, Law.....712 85th Av—E 1514
- Preston, Louisa Byrne.....Portland, Or  
 UD, Sci.....Clark Hall, Campus—N 262
- Price, Arthur Frederick.....Duncan, B C  
 LD, EE.....4549 15th Av NE—Ken 475
- Price, Hobart McKinley.....Rathdrum, Ida  
 Unc, FA.....4222 Brooklyn Av
- Price, Nell Ward.....Clarkston  
 UD, LA.....4518 Univ Blvd—Ken 3219
- Price, Ruth Garland.....Seattle  
 LD, LA.....2012 E 45th St—Ken 2645
- Price, William Howard.....Republic  
 LD, For.....4222 Brooklyn Av—N 238
- Prism, John Edmondson.....Seattle  
 LD, LA.....2455 Day St—Bea 1402
- Prince, Marion.....Seattle  
 Unc, FA.....4780 27th Av NE—Ken 248
- Pritchett, Spurgeon.....Seattle  
 LD, Sci.....616 Seneca St—E11 1765
- Proctor, Harold Vestal.....Seattle  
 Unc, EE.....8058 35th Av W—QA 1662
- Protts, Ruth.....Spokane  
 Unc, LA.....4710 Univ—Ken 1857
- Protzman, George.....Okanogan  
 LD, LA.....4704 18th Av NE—Ken 541
- Pryor, Mary Lavinia.....Seattle  
 LD, Bus.....1535 37th Av
- Pugh, Louise Katherine.....Seattle  
 UD, Ed.....4706 Univ Blvd—Ken 702
- Pugh, Melville Fuller.....Seattle  
 Unc, Bus.....Lander Hall, Campus—N 60
- Pugsley, Walter Herbert.....Seattle  
 UD, Sci.....5745 26th Av NE—Ken 334
- Pumphrey, Veronica.....Seattle  
 LD, Sci.....1377 34th Av S—Bea 135
- Purvi, Margaret Mary.....Portland, Or  
 LD, Sci.....6201 10th Av NE—Ken 2958
- Purvis, Lois Freda.....Sumner  
 LD, Sci.....4529 4th Av NE—N 2635
- Putnam, Lawrence Edmond.....Winslow  
 LD, Min.....421 Leary Av—N 640
- Pyle, Mark.....Wenatchee  
 LD, EE.....College Hotel
- Quevill, Christen Foss Jr.....Tacoma  
 LD, Bus.....1416 E 41st St
- Quigley, Clarence Black.....Seattle  
 LD, Bus.....4503 Univ Blvd—Ken 236
- Quinn, John Bernard.....Kent  
 LD, EE.....
- Quinn, Elmer Joseph.....Seattle  
 Sp, Sci.....1252½ 5th Av N—QA 481
- Rabb, Reginald.....Seattle  
 Unc, Bus.....109 E 61st St
- Rabb, Roland.....Seattle  
 Unc, Bus.....109 E 61st St
- Rabenau, Catherine C.....Seattle  
 Sp, LA.....4244 10th Av NE—N 1173
- Rackerby, Theodore Eley.....Seattle  
 LD, ME.....612 Malden St—Cap 2208
- Radcliffe, Thomas Jefferson.....Fairfield, Mont  
 LD, Sci.....4223 10th Av NE—N 4004
- Rader, Bernard Henry.....Ontario, Or  
 LD, Bus.....4524 19th Av NE—Ken 570
- Rader, Dallas.....Spokane  
 Sp, Bus.....4524 19th Av NE—Ken 199
- Rader, Donald Howard.....Spokane  
 LD, LA.....4524 19th Av NE—Ken 199
- Rader, Grace Lillian.....Seattle  
 UD, Sci.....1847 Ravenna Blvd—Ken 2505
- Rafa, Harold.....Puyallup  
 LD, ChE.....Seattle—Ken 2575
- Raine, Margaret Muir.....Seattle  
 LD, LA.....919 32nd Av—E 966
- Raines, Harold.....Seattle  
 LD, LA.....4028 Corliss Av—N 2560
- Ralkowski, Ernesta Meda.....Seattle  
 LD, FA.....1209 Jackson St—Bea 86
- Ralston, Graham Waite.....Pt Angeles  
 LD, Bus.....4233 Thackeray Pl—N 3180
- Ramaker, Gerald P.....Seattle  
 LD, Sci.....2020 E Lynn St
- Ramas, Rufino.....Philippines  
 Unc, EE.....5214 Univ Blvd
- Ramsey, Ivan.....Seattle  
 LD, Bus.....4319 10th Av NE
- Ramsay, James Stormont.....Ellensburg  
 LD, Bus.....4520 21st Av NE—Ken 2600
- Ramsey, Rachel Lucille.....Seattle  
 LD, Sci.....1401 Howell St
- Ramstead, Alvin Clifford.....Everett  
 LD, Bus.....4305 15th Av NE—Ken 720
- Ramthun, Lucille Laura.....Chehalis  
 LD, Bus.....4548 Univ Blvd—Ken 2934
- Randal, Dudley K.....Seattle  
 Unc, Bus.....4818 1st Av NE—N 3385
- Randall, Theo William.....Boise, Ida  
 LD, EE.....5340 10th Av NE—Ken 848
- Randolph, Stanley N.....Kennebec  
 LD, ME.....1906 E 45th St—Ken 2171
- Raney, Madge.....Colville  
 Unc, Bus.....5214 Univ Blvd—Ken 844
- Rank, Carroll Price.....Cashmere  
 LD, Bus.....Lander Hall, Campus—N 60

Bankin, Park Willis.....	Yakima	Rehm, Sidney Juliet.....	Chehalis
LD, Bus.....		Unc, Ed.....	4700 19th Av NE
Ranning, Fred.....	Seattle	Reichert, Carlton George.....	Seattle
LD, Bus.....	5806 10th Av NE—Ken 1397	LD, Bus.....	822 24th Av
Raport, Rubin W.....	Seattle	Reid, Elizabeth Jean.....	Tacoma
LD, EE.....	2015 E Fir St	LD, LA.....	4714 18th Av NE
Rasmussen, Carl John.....	Seattle	Reid, Florence Emma.....	Govan, R I
Sp, EE.....	2647 W 60th St—Bal 1585	Unc, Bus.....	Clark Hall, Campus—N 262
Rasmussen, George Vincent.....	Seattle	Reinert, Ernest Valdemar.....	Seattle
LD, Ed.....	1184½ Eastlake Av	LD, Bus.....	2036 82nd Av S
Rasmussen, Helen.....	Kent	Reif, Henry Clark.....	Tacoma
LD, Bus.....	4238 12th Av NE—N 329	Sp, Bus.....	4503 Univ Blvd—Ken 236
Rasmussen, Irving.....	Prosser	Remington, Arthur Ernest.....	Mott, N D
LD, FA.....	1110 26th Av—E 7585	LD, EE.....	Terry Hall, Campus—N 60
Rasmussen, Mildred D.....	Seattle	Remley, Miriam.....	Dryden
Unc, LA.....	929 33d Av—E 6973	LD, LA.....	Lewis Hall, Campus—N 162
Ratcliffe, Kent E.....	Cheney	Remsburg, Helen.....	Seattle
UD, Bus.....	2120 E 47th St—Ken 1176	UD, LA.....	5134 26th Av NE—Ken 1766
Rathbone, Floyd William.....	Ferndale	Reneau, Raymond W.....	Winthrop
LD, Bus.....	Terry Hall, Campus—N 60	Sp, Bus.....	4740 14th Av NE—Ken 1493
Rathbun, John Hall.....	Chicago, Ill	Renfro, Harold Edward.....	Seattle
LD, EE.....	YMCA—M 5208	LD, EE.....	7319 48th Av S—Ral 518
Ratigan, Thomas.....	Seattle	Renker, Mildred E.....	Olympia
UD, LA.....	2417 Orcas St	Unc, Bus.....	4551 Univ Blvd
Rauch, Bernardine Pauline.....	Pomeroy	Renner, Frederic G.....	Wenatchee
Unc, Bus.....	5217 18th Av NE—Ken 401	UD, For.....	5088 Univ Blvd—Ken 490
Ravelli, Henri F A.....	Seattle	Rennie, Wesley Frederick.....	Seattle
Unc, EE.....	1857 33d Av S	Grad.....	1845 Ravenna Blvd—Ken 80
Ray, Doris B.....	Yakima	Reno, Beatrice.....	Portland, Or
UD, Bus.....	2012 E 45th St—Ken 2645	Unc, Bus.....	2003 E 47th St—Ken 185
Raymond, Roy A.....	Seattle	Rens, John.....	Seattle
LD, Bus.....	5320 Keystone Pl	Unc, Sci.....	410 Harvard Av N
Raymundo, Luciono.....	Seattle	Resos, Eugenio Peralta.....	Seattle
LD, Ed.....	1404 E 41st St	LD, CE.....	4330 11th Av NE
Reaber, Maurice C.....	Seattle	Reuter, Alexia M.....	Seattle
Unc, Bus.....	Box 11, E Seattle	UD, Sci.....	1403 31st Av
Reagan, John Ashworth.....	Seattle	Revelle, Mary Louise.....	Seattle
Unc, Bus.....	3324 18th Av S—Bea 278	Unc, Sci.....	4719 21st Av NE—Ken 2210
Reagan, Roger Hyde.....	Seattle	Reyes, Gregorio M.....	Philippines
Unc, LA.....	803 13th Av N—Cap 1541	LD, LA.....	Gen Del
Recart, Horacio Jr.....	Chlie	Reyes, Venancio.....	Philippines
Grad.....	5039 15th Av NE—Ken 806	Unc, ME.....	1404 E 41st St
Redfield, Ben.....	Spokane	Reynolds, Burton Mark.....	Seattle
LD, Bus.....	4704 18th Av NE—Ken 541	LD, Min.....	4310 Linden Av—N 3283
Redmon, Dorothy B.....	Yakima	Reynolds, Elliott.....	Seattle
LD, FA.....	4548 Univ Blvd—Ken 26	LD, LA.....	2447 N Broadway—Cap 3844
Redmond, Harold Vincent.....	Seattle	Reynolds, Jack Williamson.....	Seattle
LD, Min.....	1508 Grand Blvd	Sp, Law.....	5212 18th Av NE—Ken 887
Redpath, Harry S.....	Helena, Mont	Reynolds, Jas Creu.....	Sheridan, Wyo
LD, LA.....	5038 14th Av NE	LD, Bus.....	5038 Univ Blvd—Ken 490
Redway, Frederick Auren.....	Tacoma	Reynolds, Marguerite.....	Seattle
LD, Sci.....	5003 18th Av NE—Ken 1692	LD, LA.....	2415 10th Av W—QA 3708
Reed, Alfred William.....	South Bend	Reynolds, Richard W.....	Seattle
LD, Fisheries.....	1616 E 47th St—Ken 149	LD, Bus.....	4312 4th Av NE
Reed, Eva Isabelle.....	Reedsport, Or	Reynolds, Rox.....	Anaconda, Mont
LD, Bus.....	4543 18th Av NE—Ken 659	UD, Jour.....	5011 19th Av NE
Reed, James Judson.....	Kennewick	Reynolds, Sewall Leroy.....	Tacoma
LD, Bus.....	1205 E 45th St—Ken 1016	LD, EE.....	5015 16th Av NE—Ken 52
Reed, Jennie Mabel.....	Tacoma	Rhoades, Fordyce Warner.....	Seattle
UD, Ed.....		Unc, Ed.....	9237 Rainier Av
Reed, Lucile Ida.....	Spokane	Rhodes, Fred Harold Jr.....	Seattle
LD, FA.....	4535 18th Av NE—Ken 1429	LD, ME.....	6007 Brooklyn Av—Ken 2049
Reed, Mae.....	Seattle	Rhodes, Ruth E.....	Hayre, Mont
Sp, Bus.....	9731 62nd Av S	LD, Sci.....	4303 11th Av NE
Reed, Raymond F.....	Bellingham	Rhodes, William Philip.....	Kent
UD, CE.....	5015 Univ Blvd—Ken 3169	Sp, EE.....	3232 Walnut St
Reeves, Marie Adele.....	South Bend	Rice, Casper.....	Seattle
UD, FA.....	4517 Brooklyn Av	LD, Bus.....	3013 16th Av S—Bea 2037
Reeves, Harold Jaye.....	Seattle	Rice, Chineta Williamson.....	Seattle
LD, FA.....	1249 20th Av N—E 4020	LD, Bus.....	802 Seneca St—B11 1271J
Reeves, Mary K.....	Seattle	Rice, Edith Allegra.....	Riverside, Cal
LD, LA.....	5538 Kenwood Pl	UD, LA.....	4534 Univ Blvd—Ken 20
Regan, Chester A.....	Seattle	Rice, Fontilla Irene.....	Bellingham
UD, Sci.....	806 N 59th St—Bal 2103	LD, Bus.....	1523 E 63d St—Ken 1012
Regan, Frank Timothy.....	Bolse, Ida	Rice, George Russell.....	Tacoma
LD, For.....	5235 Univ Blvd—Ken 618	UD, EE.....	4550 18th Av NE—Ken 3072
Rehn, Hays.....	Chehalis	Rice, Margaret Dorothea.....	Prosser
LD, EE.....	4616 21st Av NE—Ken 490	UD, LA.....	4746 16th Av NE—Ken 401



- Rice, Mary Bickelhaupt.....Prosser  
LD, Sci.....4746 16th Av NE
- Rice, Lena Victoria.....Portland, Or  
LD, LA.....Lewis Hall, Campus—N 162
- Rick, Estelle May.....Walla Walla  
UD, LA.....5080 16th Av NE—Ken 3244
- Richards, Albert Allen.....Seattle  
LD, Bus.....4538 10th Av NE—Ken 466
- Richards, Bradford Alvin O.....Mt Vernon  
LD, LA.....1605 E 47th St
- Richards, Catherine.....Spokane  
LD, LA.....4504 18th Av NE—Ken 146
- Richards, Dorothy Ward.....Puyallup  
UD, LA.....4535 18th Av NE—Ken 1420
- Richards, Edgar Godfrey.....Tacoma  
LD, LA.....2412 Boylston Av N—Cap 3780
- Richards, Fern Marie.....Seattle  
Unc, LA.....4538 10th Av NE—Ken 466
- Richards, Harold H.....Tacoma  
LD, LA.....2412 Boylston Av N—Cap 3780
- Richards, Winifred Baker.....Blg Timber, Mont  
UD, LA.....5220 19th Av NE
- Richardson, Alice M.....Evanston, Ill  
Sci.....4751 Univ Blvd—Ken 2713
- Richardson, Elizabeth.....Yakima  
LD, LA.....5214 Univ Blvd
- Richardson, George Bible.....Seattle  
UD, CE.....4527 11th Av NE—Ken 2805
- Richardson, Gertrude Helen.....Tacoma  
LD, Sci.....4543 Univ Blvd—Ken 650
- Richardson, Hugh.....Spokane  
LD, FA.....2120 E 47th St
- Richardson, Margaret MacCraig.....Yakima  
LD, FA.....5214 Univ Blvd
- Richardson, Mary Elizabeth.....Seattle  
Unc, FA.....0565 Rainier Av
- Richardson, Norma.....Seattle  
LD, LA.....50th & 16th—Ken 2088
- Richardson, Otis D.....Yakima  
LD, LA.....4616 21st Av NE—Ken 400
- Richardt, Preciousa.....Seattle  
LD, Sci.....4745 11th Av NE
- Riches, Lawrence McNab.....Seattle  
LD, EE.....3208 McClintock St
- Riciford, Maurice A.....Seattle  
LD, EE.....914 6th Av N—QA 3633
- Richmond, Agnes Norby.....Renton  
Unc, Law.....
- Ricketts, Lucy Myrtle.....Seattle  
Grad.....4719 Univ Blvd
- Rickles, Dave N.....Seattle  
LD, ChE.....3111 E Cherry St
- Riddell, Crockett.....Seattle  
LD, For.....
- Belman, Rosalind Felicia.....Seattle  
Grad.....
- Rigg, Margaret.....Seattle  
LD, LA.....4719 9th Av NE—Ken 627
- Riley, Elmer Bernard.....Tacoma  
Unc, Law.....1726 Harvard Av N—E 1726
- Riley, Gladys Florence.....Oakesdale  
UD, LA.....4728 18th Av NE—Ken 2874
- Riley, Marjorie.....Myrtle Point, B C  
LD, Sci.....4735 Thachery Pl—N 1295
- Rinehart, Valdimir Gilham.....Portland, Or  
LD, CE.....4509 12th Av NE—Ken 1204
- Ring, Elsie M.....Buhl, Ida  
LD, LA.....1250 E 60th Av—Ken 3055
- Rininger, Helen Dorothy.....Seattle  
LD, LA.....4535 18th Av NE—Ken 1420
- Ripley, Blanche Eula.....Twin Falls, Ida  
Sp, FA.....5242 20th Av NE—Ken 3399
- Ripley, Paul Newhall.....Seattle  
Sp, Bus.....415 Bellevue Av N—Cap 1910
- Rist, Dorothy Eugenia.....Yakima  
UD, Bus.....5218 Univ Blvd—Ken 3212
- Riste, Victor Emerson.....Chopaka  
LD, Sci.....2321 N 56th St
- Risto, Verner William.....Brush Prairie  
LD, FA.....4311 Brooklyn Av—Ken 3834
- Rittenhouse, Fay Smith.....Seattle  
Unc, EE.....4319 Alaska St—Ral 898W
- Ritter, John Joseph.....Seattle  
Sp, Sci.....1828 13th Av
- Robb, Opal.....Seattle  
LD, Bus.....4032 10th Av NE—N 3542
- Robbins, Floyd David.....Olympia  
LD, EE.....Lander Hall, Campus—N 60
- Robbins, Helen Cordella.....Bremerton  
Unc, Bus.....216 2nd St, Bremerton—39X
- Robbins, Morris Allan.....Seattle  
3d, Law.....1016 E Fir St—E 3546
- Robe, Vivian Moore.....Granite Falls  
LD, FA.....Clark Hall, Campus—N 262
- Roberts, Arthur Kilchel.....Tacoma  
UD, For.....4504 16th Av NE—Ken 047
- Roberts, Anna Catharine.....Tacoma  
LD, Ed.....4540 Univ Blvd—Ken 3216
- Roberts, Donald William.....Seattle  
LD, LA.....1014 N 37th St—N 4048
- Roberts, Elizabeth.....Seattle  
LD, Phar.....718 Univ Blvd
- Roberts, James Donald.....Tacoma  
Unc, For.....5235 Univ Blvd—Ken 618
- Roberts, John Terry.....Seattle  
LD, ChE.....2841 N 63d St—Ken 3375
- Roberts, Katherine Elinor.....Gooding, Ida  
Unc, LA.....5204 15th Av NE—Ken 653
- Roberts, Milnora.....Seattle  
Grad.....4503 15th Av NE—Ken 264
- Roberts, Wesley K.....Seattle  
UD, For.....4616 21st Av NE
- Roberts, Ruth Margaret.....Seattle  
Grad.....1014 N 37th St—N 4048
- Roberts, Virginia.....Seattle  
Unc, FA.....Seattle, RFD 2
- Robertson, Berdena.....Everett  
Unc, LA.....1626 13th Av—E 8377
- Robertson, Cynthia.....Seattle  
Unc, LA.....1625 E Madison St—E 1607
- Robertson, Beatrice Edith.....Three Lakes  
LD, Ed.....4557 10th Av NE
- Robertson, Edward Leighton.....Portland, Or  
LD, LA.....5035 19th Av NE—Ken 939
- Robertson, Howard Percy.....Montesano  
LD, EE.....Lander Hall, Campus—N 60
- Robertson, James Alfred.....Tacoma  
Unc, EE.....
- Robertson, E M.....Seattle  
Unc, LA.....5540 8th Av NE
- Robinson, Arthur B.....Skykomish  
Sp, Bus.....1427 E Northlake Av
- Robinson, Bessie May.....Portland, Or  
UD, LA.....Lewis Hall, Campus—N 162
- Robinson, Cavour Arthur.....Spokane  
LD, Bus.....4308 9th Av NE—N 2715
- Robinson, David Jr.....Centralia  
LD, Bus.....1214 15th Av N—E 6847
- Robinson, Edna.....Chehalis  
Unc, LA.....2369 East Lake Av
- Robinson, Frances Elizabeth W.....Lilliwaup  
LD, LA.....4708 18th Av NE—Ken 2300
- Robinson, Frank Richard.....Portland, Or  
LD, Min.....5015 Univ Blvd—Ken 3160
- Robinson, Frank D Rositt.....Seattle  
Unc, Bus.....2810 W Park Dr—E 3650
- Robinson, Katharine Una.....Edmonds  
LD, FA.....5268 18th Av NE—Ken 1852
- Robinson, Pier.....Lilliwaup  
Unc, Bus.....6703 18th Av NE
- Robinson, Ruth Mary.....Seattle  
LD, LA.....4548 Univ Blvd—Ken 100
- Robinson, Thomas R.....Everett  
LD, Bus.....4520 21st Av NE—Ken 2800
- Robinson, Will Alan.....Seattle  
LD, LA.....2810 W Park Drive—E 3650

# REGISTER OF STUDENTS

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Robison, Stella Marcia.....	Plains, Mont
LD, LA.....	Lewis Hall, Campus—N 162
Rochester, Lettie Lee.....	Seattle
Grad.....	4542 Brooklyn Av
Rock, Clifton Donald.....	Cougar
LD, LA.....	4528 20th Av NE
Rode, Alfred.....	Bellingham
1st, Law.....	1605 E 47th St—Ken 3421
Rodgers, Merry Jesse.....	Pinehurst
LD, Phar.....	1439 Jackson St—Bea 1434
Rodman, Emmet Arthur.....	Seattle
LD, LA.....	482 Maple Leaf Pl
Rodolf, Harold Albert.....	Bellingham
UD, Sci.....	5003 18th Av NE—Ken 1692
Roe, Frank H.....	Grafton, Va
Unc, Bus.....	4500 Univ Blvd
Roegner, Frederick.....	Ellensburg
LD, Min.....	4506 Univ Blvd—Ken 291
Roegner, Kenneth.....	Ellensburg
1st Law.....	4506 Univ Blvd—Ken 291
Rogers, Charles Leo.....	Colville
Unc, Law.....	2120 E 47th St—Ken 1176
Rogers, Edwin Lewis.....	Colville
LD, Bus.....	2120 E 47th St—Ken 1176
Rogers, Florence Alleen.....	Seattle
UD, LA.....	4504 18th Av NE—Ken 146
Rogers, William Gordon.....	Seattle
Unc, Bus.....	5251 14th Av NE—Ken 8019
Rogers, Gwendolyn.....	Pendleton, Or
LD, LA.....	4551 Univ Blvd
Rogers, Lois Mayber.....	Sanborn, N Y
LD, LA.....	5030 16th Av NE—Ken 3244
Rogers, Lucie Frances.....	Seattle
Unc, Sci.....	6831 18th Av NE
Rogers, Margaret Gross.....	Auburn
LD, LA.....	4540 Univ Blvd—Ken 3216
Rogers, Nathaniel Stewart.....	Auburn
UD, ChE.....	4522 18th Av NE—Ken 3681
Rogge, George G.....	Seattle
LD, For.....	4503 Univ Blvd—Ken 236
Rognon, Norma Nelle.....	Seattle
LD, LA.....	1939 Walte St—Bea 1130
Rohrer, Harvey Vaughn.....	Abilene, Kan
LD, Bus.....	1006 E 45th St—Ken 2171
Roll, Dorothy Bates.....	Seattle
LD, LA.....	Seattle, RFD, 7
Romana, Filemon.....	Louisiana, P I
Unc, Sci.....	Waldon Hotel
Roon, Edna Elizabeth.....	Seattle
LD, Sci.....	2014 E Cherry St—E 1185
Rosales, Godofredo.....	Seattle
Sp, Bus.....	1412 E Aloha St
Roos, Albert H.....	Lewiston, Ida
UD, EE.....	5038 Univ Blvd—Ken 496
Rosen, Elsie Elizabeth.....	Monroe
LD, LA.....	Clark Hall, Campus—N 282
Rosenberg, Hada Adelaide.....	Butte, Mont
LD, FA.....	846 N 83d St—Bal 3410
Rosenquist, Oscar William.....	Bow
LD, Sci.....	5214 Univ Blvd—Ken 844
Rosenthal, Roy Albert.....	Seattle
UD, LA.....	4141 14th Av NE
Roska, Herman William.....	Seattle
LD, EE.....	7419 Corliss Av—Ken 621
Rosling, Edward Lincoln.....	Seattle
2nd, Law.....	6204 20th Av NE—Ken 3755
Ross, Burchard William.....	Spokane
LD, EE.....	2917 Fairview Av
Ross, Edward Allen Jr.....	Seattle
LD, EE.....	512 10th Av N
Ross, Grant D.....	Edmonds
Unc, CE.....	Campus Barracks
Ross, George William.....	Spokane
LD, LA.....	5018 19th Av NE
Ross, Gordon Burwell.....	Yakima
LD, Bus.....	4305 15th Av NE—Ken 720
Ross, F Howard.....	Blanchester, Ohio
Grad.....	Y M C A
Ross, Olive McConnell.....	Spokane
LD, FA.....	2918 Fairview Av
Ross, Orrin Everette.....	Terry, Mont
LD, IE.....	5015 Univ Blvd—Ken 3189
Ross, Thomas G.....	Portland, Or
Unc, Bus.....	2004 52nd St E
Roth, Kenneth.....	Seattle
LD, Bus.....	1521 27th Av—E 5874
Roth, Walter.....	Spangle
UD, EE.....	4215 Brooklyn Av
Rothwell, Isabelle.....	Spokane
Unc, FA.....	4513 14th Av NE
Rourke, Rupert Karl.....	Vernon, B C
LD, ChE.....	5011 19th Av NE—Ken 2875
Rowe, Adeline Lee.....	Seattle
Unc, Bus.....	4518 Univ Blvd—Ken 3216
Rowe, Caroline Jo.....	Olympia
LD, Bus.....	4714 Univ Blvd—Ken 2253
Rowlands, Thomas McKie.....	Victoria, B C
Sp, EE.....	4552 12th Av NE—Ken 1813
Royal, Philip N.....	Olympia
LD, ChE.....	8831 11th Av NE
Royal, Ralph Harlan.....	Seattle
3d, Law.....	4518 20th Av NE—Ken 187
Royce, Ruby.....	Seattle
LD, LA.....	4311 15th Av NE—Ken 2719
Roys, Ruby.....	Seattle
LD, LA.....	Seattle
Rubicam, Leslie Hubert.....	Tacoma
LD, CE.....	1616 E 47th St—Ken 149
Rucker, Eugene Merritt.....	Seattle
LD, CE.....	4704 18th Av NE—Ken 541
Rucker, Philip Wallace.....	Seattle
LD, Bus.....	4503 Univ Blvd—Ken 236
Ruckman, Thomas Harold.....	Tacoma
Sp, Bus.....	4532 19th Av NE—Ken 2646
Rude, Hazel Irene.....	Seattle
Unc, Jour.....	1812 Queen Anne Av—QA 1753
Rudolph, Evangeline.....	Seattle
LD, Sci.....	2072 39th Av SW
Ruel, James Walker.....	Sedro-Woolley
LD, Bus.....	4524 10th Av NE—Ken 199
Ruetenik, Nathaniel Norman.....	Sunnyside
LD, Bus.....	4323 8th Av NE
Rugh, Irene Jean.....	Eugene, Or
LD, LA.....	4244 10th Av NE—N 1173
Rule, Donald.....	Spokane
LD, ME.....	5018 19th Av NE
Rullfson, Harmon A.....	Seattle
Unc, Bus.....	4503 Univ Blvd—Ken 236
Rumberger, George Howard.....	Houtzdale, Penn
LD, Min.....	4505 18th Av NE—Ken 333
Rummel, Elwin Bartlett.....	Tacoma
LD, LA.....	Terry Hall, Campus—N 60
Rummel, Edith E.....	Tacoma
UD, LA.....	4714 19th Av NE—Ken 2761
Running, Emma.....	Seattle
LD, Ed.....	Seattle
Runnings, Gladys May.....	Fairfax
Unc, Sci.....	4238 12th Av NE
Rupe, Gustine Elizabeth.....	Seattle
LD, Ed.....	6310 15th Av NE—Ken 798
Ruple, Paul Joseph.....	Seattle
LD, LA.....	6th & 89th NW
Rupp, Thelma Montana.....	Snobomish
LD, Sci.....	4708 9th Av NE
Rupp, Wellington.....	Snobomish
UD, EE.....	5038 15th Av NE
Russ, Virginia.....	Spokane
Unc, Bus.....	4714 20th Av NE—Ken 1697
Russell, Hugh Hopkins.....	Seattle
LD, Bus.....	4308 9th Av NE—N 2175
Russell, Inez D' Etta.....	Seattle
Unc, FA.....	4922 43d Av S
Russell, Lewis Walter.....	Luther, Mont
Unc, CE.....	5304 17th Av NE
Russell, Pearl Elizabeth.....	Seattle
Grad.....	5520 15th Av NE—Ken 1702

- Rust, Caramel Ruth.....Yakima  
LD, LA.....Clark Hall, Campus—N 202
- Rutherford, Carl Archibald.....Tacoma  
LD, CE.....4532 19th Av NE—Ken 2646
- Rutherford, Rex G.....Tacoma  
Unc, Bus.....4532 19th Av NE—Ken 2646
- Rutledge, Rollin A.....Seattle  
LD, EE.....3106 Ferdinand St—Bal 191W
- Ryan, Francis Milton.....Seattle  
Grad.....1417 9th Av W—QA 4753
- Ryan, Pherson Harry.....Clear Lake  
LD, Bus.....4323 Burke Av—N 790
- Ryan, Helen Theresa.....Seattle  
Unc, LA.....1857 54th St N—N 2839
- Ryan, John Charles.....Seattle  
LD, Sci.....4520 21st Av NE—Ken 2600
- Ryan, Raymond Francis.....Seattle  
8d, Law.....4520 21st Av NE—Ken 2600
- Rychard, Clayton Hopkins.....Hoquiam  
LD, Bus.....5015 Univ Blvd
- Ryerson, Hilena Clare.....Dayton  
UD, LA.....4543 Univ Blvd
- Rygg, John.....Arlington  
Unc, EE.....6002 Palatine Av—Bal 1512
- Rynning, Emma Janette.....Tacoma  
LD, Ed.....4308 11th Av NE—N 3457
- Sabin, Rose Elizabeth.....Anacortes  
Unc, FA.....5229 19th Av NE
- Sage, Robert E.....Burke, Ida  
LD, LA.....1820 7th Av NE
- Sakuma, Yashuharu.....Portland, Or  
Unc, ChE.....4110 12th Av NE—N 3797
- Sale, George Ambrose.....South Bend  
LD, Sci.....1616 E 47th St—Ken 149
- Sallisbury, Helen Elizabeth.....Sprague  
LD, Bus.....4524 Univ Blvd—Ken 2496
- Salladay, Ruth.....Twin Falls, Ida  
LD, FA.....4580 Univ Blvd—Ken 988
- Sallee, Hubert Bland.....Olympia  
UD, ME.....4222 10th Av NE
- Sanborn, Fred William.....Long Beach, Cal  
UD, Bus.....4738 Univ Blvd—Ken 787
- Sanchez, Estanislao.....Philippines  
Sp, Bus.....4311 Brooklyn Av
- Sandborg, Sigurd C.....Norway  
LD, FA.....4740 14th Av NE
- Sanden, Arthur Gustav.....Seattle  
UD, Sci.....4144 14th Av NE
- Sander, Cariton Augustus.....Seattle  
LD, Bus.....5119 Wallingford Av—N 2120
- Sanders, William Clair.....Seattle  
Unc, Bus.....5509 14th Av NE—Ken 3461
- Sanders, Dortha Mildred.....Seattle  
LD, FA.....5509 14th Av NE—Ken 3461
- Sanders, David Scott.....Spokane  
UD, Min.....4503 10th Av NE—Ken 286
- Sanders, Josephine.....Harve, Mont  
UD, FA.....5214 17th Av
- Sanders, Ruth.....Seattle  
LD, LA.....2552 6th Av N
- Sanders, Theodore Ernest.....Ephrata  
LD, Bus.....4108 Sunnyside Av
- Sandstrom, Esther Melvy.....Hillsdale, Or  
LD, Ed.....1804 E 50th St—Ken 802
- Sandurth, Phebe Mae.....Friday Harbor  
LD, Ed.....Clark Hall, Campus—N 262
- Sandvigen, Emma.....Seattle  
Unc, Bus.....Highland Drive
- Sanford, Josephine.....Pomeroy  
UD, Bus.....4543 Univ Blvd—Ken 650
- Sanford, Oswald.....Bremerton  
Unc, Bus.....
- Sangalang, Vicente.....Philippines  
Sp, LA.....Terry Hotel—E11 1030
- Sangster, Ried George.....Clarkston  
UD, Bus.....5212 18th Av NE—Ken 887
- Sanidad, Prospero.....Philippines  
Sp, Law.....
- Sankela, Neil John.....Ilwaco  
UD, EE.....5015 Univ Blvd—Ken 8169
- Saperston, Arthur B.....Buffalo, N Y  
LD, Bus.....4524 19th Av NE—Ken 199
- Sartoris, George Bartholomew.....Enumclaw  
UD, Sci.....4017 12th Av NE
- Sartoris, Madeline Sartoris.....Enumclaw  
LD, Sci.....5030 Univ Blvd—Ken 1667
- Sarver, Lois Jocelyn.....Seattle  
LD, LA.....Seattle, RFD, 8
- Sather, Olene Mary.....Hoquiam  
LD, LA.....5026 15th Av NE—Ken 1687
- Sater, Herman C.....Seattle  
LD, Bus.....424½ 1st Av W
- Sato, Nobutoshi.....Japan  
Bus.....1838 25th Av—E 1236
- Sauers, Jack Conley.....Seattle  
LD, Bus.....E 1925
- Saunders, Dorothy.....Seattle  
LD, LA.....1146 28d Av N—E 6325
- Sauter, Jean.....Seattle  
LD, LA.....1806 E Union St—E 5431
- Savage, Joseph E.....Seattle  
LD, Bus.....4916 Woodlawn Av
- Sayles, Frank Wells.....Seattle  
LD, Bus.....4629 21st Av NE—Ken 2942
- Schaak, Charles Gustave.....Seattle  
Unc, EE.....5015 Univ Blvd
- Schadt, Raymond John.....Seattle  
LD, ChE.....2611 4th Av
- Schafer, Dorothy Susie.....Portland, Or  
LD, LA.....4531 18th Av NE—Ken 253
- Schaefer, F Bernice.....Seattle  
LD, LA.....1602 Franklin Av—Cap 2993
- Schaefer, Leonard J.....Seattle  
LD, Sci.....2710½ 4th Av—E11 1602M
- Schafer, Marie.....Seattle  
.....4708 18th Av NE—Ken 2826
- Scharr, Freeman Carlyle.....Kallispell, Mont  
LD, Bus.....7016 10th Av NE—Ken 8158
- Schel, Adolph George.....Seattle  
LD, ChE.....Walk 3, Madison Pk
- Scheyer, Fred Louis.....Puyallup  
LD, Sci.....
- Schippmann, Hermann Adolph.....Germany  
LD, FA.....3614 Aurora Av—N 1125
- Schmid, Byron.....Seattle  
LD, EE.....56 Dravus Av
- Schmidt, Lulu Alice.....Edmonds  
LD, LA.....4504 18th Av NE—Ken 149
- Schmidt, Ronald Frederick.....Seattle  
LD, Bus.....1805 E 47th St—Ken 184
- Schmidtman, Edward Herman.....Auburn  
Unc, CE.....Lander Hall, Campus—N 60
- Schmith, Tessie M.....Seattle  
LD, LA.....2318 Boylston Av N
- Schmoe, Floyd Wilfred.....Seattle  
LD, Por.....4502 12th Av NE
- Schmoe, Pickering Ruth.....Seattle  
Unc, LA.....4502 12th Av NE
- Schnal, Joseph S.....Tillamook, Or  
Unc, Bus.....618 20th Av
- Schnasse, Edison G G.....Walla Walla  
LD, Sci.....320 W Galer St—QA 4698
- Schneider, Charles Henry.....Boise, Ida  
LD, Sci.....5217 12th Av NE—Ken 3698
- Schoen, Evelyn H.....Hilo, H T  
Sci.....
- Schoenberg, Lillian R.....Seattle  
Sp, FA.....2610 6th Av—E11 1168W
- Schofer, Marie Bertha.....Elma  
LD, Bus.....5521 10th Av NE
- Schofield, Alfred Guy.....Seattle  
LD, Min.....1106 7th Av N—QA 573
- Schofield, Marguerite.....Seattle  
LD, LA.....6311 23d Av NE

Schofield, Mary Gwendolyn.....Seattle  
LD, LA.....750 16th Av N—E2396  
Schooley, John Marshall.....Zillah  
LD, LA.....5208 19th Av NE—Ken 2774  
Schreiber, Paul Roland.....Wilbur  
LD, LA.....4752 12th Av NE—Ken 8654  
Schriever, Frederick.....New York, N Y  
Sp, For.....4325 2nd Av N  
Schrock, Doris.....Okanogan  
Unc, LA.....5218 Univ Blvd—Ken 8212  
Schrock, Ethel Grace.....Okanogan  
LD, FA.....5218 Univ Blvd—Ken 8212  
Schroder, Blanche.....Pendleton, Or  
LD, FA.....4530 Univ Blvd—Ken 983  
Schroeder, Frederick Karl.....Seattle  
Sp, Bus.....101 38th Av N—E 7601  
Schroeder, Fred Richard.....Burlington  
LD, Bus.....3925 Eastern Av  
Schuchart, Bernette Electa.....Everett  
LD, Ed.....5014 15th Av NE  
Schuchart, William E.....Everett  
Sp, Bus.....4505 18th Av NE  
Schuck, Katharine Anna.....Seattle  
Unc, Sci.....4114 Interlake Av—N 489  
Schuett, Marjorie.....Seattle  
LD, LA.....1223 E Aloha St  
Schultz, William Edward.....Seattle  
LD, ME.....2501 E Ward St—E 1812  
Schumacher, Harold Charles.....Marysville  
UD, Phar.....4305 15th Av NE—Ken 720  
Schumacher, Herman Oscar.....Spokane  
Unc, Bus.....4738 18th Av NE  
Schumer, Anna.....Seattle  
Unc, Bus.....218 28th Av S—Bea 2129  
Schwan, Frederick W.....Tacoma  
LD, For.....4505 18th Av NE—Ken 333  
Schwartz, Harry I.....Grand Junction, Colo  
Unc, Engr.....6037 5th Av NE  
Schwetzler, Florence Ione.....Seattle  
1st, Law.....205 Bennett St—Sid 1265  
Schwiesow, Will Herman.....Tacoma  
LD, For.....4704 18th Av NE  
Scordan, John L.....Seattle  
Sp, Bus.....2618 E Aloha St—F 1258  
Scordan, Louis John.....Seattle  
Sp, Bus.....2618 E Aloha St—E 1258  
Scordan, Louise Margaret.....Seattle  
1st, Law.....2618 E Aloha St—E 1258  
Scott, Barbara Helen.....Seattle  
LD, LA.....450 2nd Av N  
Scott, Beatrice.....Warrensburg, Mo  
UD, LA.....5011 Univ Blvd—Ken 1851  
Scott, Byron D.....Tacoma  
LD, Bus.....4520 21st Av NE—Ken 2600  
Scott, Frank William.....Seattle  
Sp, Bus.....6017 10th Av NE—Ken 455  
Scott, Herbert Jefferson.....Seattle  
Sp, EE.....W 125th St & 6th Av NW  
Scott, James Gordon.....Seattle  
Unc, EE.....1743 Summit Av  
Scott, Lydia Louise.....Seattle  
LD, LA.....Seattle, RFD, 2—Bal 155  
Scott, Marion.....Tacoma  
LD, Bus.....4540 Univ Blvd—Ken 1092  
Scott, Morris Robert.....Twisp  
LD, Bus.....Campus Barracks  
Scougal, Laura.....Seattle  
UD, Sci.....1560 Blewett St—N 1462  
Seack, Violet Evelyn.....Everett  
LD, FA.....4714 19th Av NE  
Sealls, Rachel Joyce.....Seattle  
LD, LA.....4406 Woodland Park Av—N 1433  
Sears, Sigisby.....Omaha, Nebr  
Unc, Sci.....5215 18th Av NE  
Sears, Tony Lockman.....Weiser, Ida  
LD, LA.....5213 Brooklyn Av—Ken 123  
Seddon, Stanley.....Roslyn  
1st, Law.....4223 15th Av NE—N 3376

Seeger, Dorothy.....Bellingham  
LD, Ed.....4721 14th Av NE—Ken 2122  
Seeley, Paul W.....Seattle  
LD, Bus.....113 E 56th St—Ken 3221  
Seely, Edwin Collins.....Seattle  
LD, Fish.....2617 Harvard Av N—Cap 1610  
Seelye, Walter Bale.....Seattle  
LD, LA.....1132 34th Av—E 8204  
Segesseumann, John F.....Spokane  
Unc, LA.....4716 9th Av NE—Ken 8395  
Selbert, Constance.....Everett  
LD, FA.....Cap 855  
Selbert, Doris.....Seattle  
LD, FA.....223 22nd Av N—E 2380  
Selbert, Rachel Margaret.....Seattle  
LD, Jour.....223 22d Av N—E 2380  
Seid, Reuben.....Chicago, Ill  
LD, Bus.....1406 3d Av—E11 2815  
Seitzinger, Louis.....Quilcene  
LD, LA.....Quilcene  
Selby, Harold Kellogg.....Seattle  
LD, Bus.....5017 36th Av SW  
Selby, Howard Parker.....Port Townsend  
Unc, For.....4632 18th Av NE—Ken 2827  
Sellard, Agnes.....Seattle  
Unc, FA.....  
Sells, Anthony Joseph.....Seattle  
UD, Phar.....1419 11th Av  
Selton, Nuben.....Bellingham  
LD, EE.....4308 12th Av NE  
Seltzer, Philip Edwin.....Spokane  
LD, Bus.....4716 9th Av NE—Ken 8395  
Selvidge, George W.....Seattle  
Sp, Law.....4321 9th Av NE  
Semon, Waldo Lonsbury.....Seattle  
UD, ChE.....4524 Corliss Av—N 698  
Senior, Myrtle I.....Avon, Mont  
Sci.....1715 Sunset Av  
Servis, Estella.....Stella  
Sp, Bus.....421 31st Av  
Seton, Imogene Hurlburt.....Portland, Or  
UD, Ed.....4540 Univ Blvd—Ken 3216  
Settem, Clara Olive.....Astoria, Or  
LD, LA.....Lewis Hall, Campus—N 162  
Setzer, George Frank.....Daisy  
LD, ChE.....4506 Univ Blvd—Ken 291  
Sexton, Roy L Thomas.....Seattle  
UD, Bus.....5212 18th Av NE—Ken 387  
Seyster, Margaret Jean.....Wenatchee  
LD, Sci.....4547 19th Av NE—Ken 23  
Shadlinger, Greta Mays.....Snohomish  
LD, LA.....4515 7th Av NE  
Shaffer, Dean Elliott.....Seattle  
Sp, Bus.....4530 12th Av NE—Ken 1288  
Shaffer, Wilma.....Waitsburg  
LD, LA.....4543 Univ Blvd  
Shank, Charles Howard.....Seattle  
LD, Sci.....Lander Hall, Campus—N 60  
Shaikan, Arthur Wilham.....Startup  
Sp, LA.....5235 Univ Blvd  
Shank, Jack O'Tourke.....Alton, Ill  
LD, For.....4504 16th Av NE—Ken 647  
Shank, Katherine.....Seattle  
LD, LA.....632 30th Av N—E 784  
Shanks, Carrol Meter.....Payette, Ida  
LD, Bus.....4580 14th Av NE—Ken 555  
Shanks, Marcus Mahlom.....Payette, Ida  
LD, ChE.....4530 14th Av NE—Ken 555  
Shannon, Edward Augustine.....Seattle  
LD, Bus.....1616 E 47th St—Ken 149  
Shannon, George Edward.....Spokane  
LD, Bus.....1616 E 47th St—Ken 149  
Shannon, James F.....Mt Erie, Ill  
UD, LA.....4529 11th Av NE  
Shapeero, Ezra Scotland.....Tacoma  
Unc, Law.....4285 10th Av NE—N 1995  
Sharp, Clarence Albert.....Seattle  
LD, ChE.....5042 18th Av NE—Ken 1740

- Sharp, John Chester.....Stanford University  
 Unc, Sci.....5244 11th Av NE  
 Sharp, Mary Courts.....Seattle  
 Sp, LA.....Clark Hall, Campus—N 262  
 Sharp, Ruby Myrtle.....Cheney  
 Unc, Sci.....4288 12th Av NE  
 Sharpe, Lawrence Cecil.....Camas Valley, Or  
 LD, EE.....609 W Nickerson St  
 Shaw, Anna Belle.....Seattle  
 LD, Ed.....5015 8th Av NE—Ken 523  
 Shaw, Cyril Nile.....Great Falls, Mont  
 UD, ME.....4550 18th Av NE—Ken 8072  
 Shaw, Esther.....Halley, Ida  
 LD, Ed.....5525 16th Av NE  
 Shaw, Gretchen Adella.....Seattle  
 Unc, FA.....2915 Fairmount Av—W 213J  
 Shaw, Lulu Marion.....Seattle  
 LD, LA.....1024 12th Av N—E 2152  
 Shaw, Mark Thomas.....Seattle  
 LD, Bus.....1607 6th Av W—QA 1653  
 Shaw, Samuel Edward.....Portland, Or  
 LD, LA.....Lander Hall, Campus—N 60  
 Shaw, Ted R.....Anacortes  
 LD, EE.....Lander Hall, Campus—N 60  
 Shawler, Clarence Vore.....Spokane  
 LD, Bus.....4532 18th Av NE—Ken 2827  
 Shay, Alban Aurelius.....Seattle  
 LD, FA.....2138 N 52nd St—N 3636  
 Sheahan, Myrtle.....Thornton  
 Unc, Ed.....4518 Univ Blvd—Ken 98  
 Sheffield, Dale Chase.....Seattle  
 LD, ChE.....605 E Denny Way—E 8004  
 Shellenberger, John A.....Seattle  
 Unc, Sci.....2520 41st Av SW  
 Shepard, Esther Maria.....Stanchfield, Minn  
 UD, LA.....5242 20th Av NE  
 Sheridan, Thomas John.....Seattle  
 Unc, LA.....1616 E 47th St  
 Sherwood, May.....Seattle  
 Unc, Sci.....2010 Western Av  
 Shidler, Jessie M.....Seattle  
 LD, FA.....4718 38th Av NE  
 Shidler, Roger L.....Seattle  
 LD, LA.....4718 38th Av NE  
 Shields, Eva Amanda.....Milton, Or  
 LD, Sci.....Clark Hall, Campus—N 262  
 Shields, Lucian Brashcar.....Buhl, Ida  
 LD, Bus.....4704 18th Av NE—Ken 541  
 Shigaya, Paul S.....Kent  
 LD, Sci.....4110 12th Av NE—N 3797  
 Shindel, Maurice Harry.....Seattle  
 LD, LA.....200 25th Av S—Ken 281  
 Shinn, Duane T.....Tacoma  
 Unc, Bus.....Lander Hall, Campus—N 60  
 Shive, Benjamin Cowan.....Seattle  
 LD, EE.....414 W Howe St—QA 4077  
 Shoemaker, Harry Edwin.....Spokane  
 LD, ME.....YMCA—M 5208  
 Shone, Bessie Mabel.....South Bend  
 LD, Phar.....Clark Hall, Campus—N 262  
 Shore, Margie.....Tenino  
 LD, LA.....5622 15th Av NE—Ken 60  
 Shorey, Arthur Samuel.....Montesano  
 Unc, For.....5038 Univ Blvd—Ken 496  
 Sharreck, Hallam Carey.....Seattle  
 LD, Bus.....654 W Highland Drive—QA 136  
 Short, Chester William.....Payette, Ida  
 LD, Bus.....4738 Brooklyn Av—Ken 1910  
 Short, Clarence Paul.....Seattle  
 Grad.....840 E 69th St—Ken 1610  
 Shotwell, Bertha Suzanne.....Wenatchee  
 UD, Sci.....Clark Hall, Campus—N 262  
 Shotwell, Margaret.....Seattle  
 LD, LA.....4203 5th Av NW—N 2326  
 Shoudy, John Addison.....Ellensburg  
 Unc, ME.....4522 18th Av NE—Ken 3681  
 Shoudy, Doris.....Rockford, Ill  
 Sp, FA.....1413 5th Av N—QA 2083  
 Shranger, Clyde F.....Mt Vernon  
 Unc, Bus.....718 E Howell St  
 Shrewsbury, Howard Homer.....Sedro-Woolley  
 Unc, Fish.....4524 19th Av NE—Ken 199  
 Shumway, Ruth Katherine.....Glendale  
 UD, Ed.....4708 18th Av NE—Ken 2826  
 Shuttleworth, Lloyd David.....Idaho Falls, Ida  
 LD, Bus.....Campus Barracks  
 Sibley, Robert Patton.....Seattle  
 Sp, LA.....Endolyne, RFD 4  
 Sides, Matthews Lavonda.....Seattle  
 LD, FA.....8234 19th Av NE  
 Sidow, Albert F Jr.....Tacoma  
 Unc, Bus.....4524 19th Av NE—Ken 149  
 Siegele, Kathryn Adele.....Ilwaco  
 LD, Sci.....5014 15th Av NE—Ken 1714  
 Sielk, George Jacob.....Spangle  
 LD, Bus.....5025 12th Av NE  
 Sielk, William Henry.....Spangle  
 LD, Bus.....5235 Univ Blvd—Ken 618  
 Slevers, Ruth Elizabeth.....Butte, Mont  
 LD, LA.....4714 19th Av NE—Ken 2761  
 Sigmund, Arthur Leonard.....Philadelphia  
 LD, Bus.....319 N 48th St  
 Silbermaster, Nathan.....Seattle  
 LD, LA.....3731 14th Av NE  
 Siler, Lillie May.....Seattle  
 LD, Sci.....604 E 45th St—N 3485  
 Silseth, Margaret Ellen.....Tacoma  
 Unc, Sci.....1532 30th Av S—Bea 1888  
 Silver, Fannie Louise.....Seattle  
 UD, Ed.....2014 E Cherry St—E 1185  
 Silver, Rose.....Seattle  
 LD, FA.....2014 E Cherry St—E 1185  
 Simcoe, Neva L.....Port Townsend  
 LD, Sci.....9447 35th Av SW—W 846W  
 Simcoe, Philip Sumner.....Port Townsend  
 LD, Sci.....9447 35th Av SW—W 846W  
 Simeon, Elvina.....Seattle  
 Sp.....4546 18th Av NE  
 Simmons, Arthur Brate.....Portland, Or  
 LD, CE.....4332 9th Av NE  
 Simon, Dorothy.....Portland, Or  
 Unc, LA.....5214 Univ Blvd  
 Simon, Rebecca Hemenette.....Butte, Mont  
 LD, Bus.....4532 21st Av NE—Ken 110  
 Simons, Ira.....Yakima  
 LD, LA.....2814 Arthur Pl  
 Simpson, Helen Margaret.....Seattle  
 Grad.....3313 Bella Vista Av—Rai 358  
 Simpson, Lurline Violet.....Seattle  
 UD, LA.....1912 10th Av N—Cap 2712  
 Simpson, Luther Lawrence.....Seattle  
 Unc, FA.....2112 N 54th St  
 Sims, Garland James.....Seattle  
 LD, Bus.....617 N 64th St  
 Sims, Norma Josephine.....Seattle  
 LD, LA.....4540 Univ Blvd—Ken 1092  
 Simson, Jerome.....Seattle  
 UD, ME.....4206 14th Av NE—N 766  
 Sinclair, Donald Walker.....Yakima  
 Sp, Bus.....4506 Univ Blvd—Ken 201  
 Sinclair, Harold P.....Yakima  
 LD, Bus.....4506 Univ Blvd—Ken 201  
 Singer, Fred John.....Seattle  
 UD, EE.....4103 38th Av S—Rai 295J  
 Singer, William Wayne.....Seattle  
 LD, EE.....3788 Brooklyn Av  
 Sisler, Roland Whitmarsh.....Seattle  
 LD, ME.....711 33d Av—E 769  
 Sisler, Sara Elizabeth.....Seattle  
 LD, LA.....711 33d Av—E 769  
 Sivertz, Victoran.....Victoria B C  
 LD, Sci.....5012 10th Av NE  
 Sizemore, Wandell.....Seattle  
 LD, Bus.....5212 18th Av NE—Ken 887  
 Skagerlind, Frances Louise.....Seattle  
 UD, Ed.....4748 4th Av NE—Ken 3323

Skewis, Grace Babling.....Tacoma  
 LD, FA.....4547 19th Av NE—Ken 28  
 Skibeness, Alphonse Jennings.....Spokane  
 LD, Sci.....4528 20th Av NE—Ken 1801  
 Skinner, Betty.....Tacoma  
 LD, Bus.....2012 E 45th St—Ken 2645  
 Skinner, Charles Henry.....Coeur d' Alene  
 Sp, Bus.....4749 Brooklyn Av  
 Skinner, Elzy.....Seattle  
 LD, LA.....2008 24th Av N—E 8642  
 Skoog, Joe L.....Seattle  
 LD, FA.....1711 Yale Av—E11 5407J  
 Slade, Douglas H.....Lynden  
 LD, Bus.....4616 21st Av NE  
 Slade, Elizabeth Mears.....Hood River, Or  
 LD, LA.....4703 16th Av NE—Ken 1680  
 Slater, Mary Dorothy.....Raymond  
 LD, Ed.....4746 21st Av NE  
 Slater, Verla Mayfield.....Ferndale  
 LD, LA.....5631 15th Av NE—Ken 3050  
 Slauson, Margaret A.....Portland, Or  
 LD, FA.....2012 E 45th St—Ken 2645  
 Slauson, Ruth.....Portland, Or  
 UD, LA.....2012 E 45th St—Ken 2645  
 Slayden, Philip Lee.....Stellacoom  
 UD, FR.....6212 18th Av NE—Ken 887  
 Sledge, Floy Spencer.....Ephrate  
 LD, FA.....6307 16th Av NE—Ken 833  
 Sleight, Foster.....Seattle  
 LD, Bus.....1708 45th Av SW  
 Slettengren, Hugh Jr.....Seattle  
 UD, Bus.....2348 N Broadway—Cap 1286  
 Slipper, Doris B.....Hamilton  
 LD, FA.....4703 18th Av NE—Ken 2826  
 Slipper, Harold.....Poulsbo  
 LD, CB.....Terry Hall, Campus—N 60  
 Sloan, Besse Andrews.....Yakima  
 UD, LA.....Clark Hall, Campus—N 262  
 Slocum, Esther Mary.....Seattle  
 LD, Phar.....8011 11th Av NE  
 Sly, Randolph.....Kennewick  
 LD, Bus.....4711 18th Av NE—Ken 1624  
 Sly, William Homer.....Kennewick  
 Unc, Bus.....4711 18th Av NE—Ken 1624  
 Small, Dorothy Charlotte.....Kennydale  
 LD, LA.....4714 18th Av NE—Ken 1981  
 Small, Frank Llewellyn.....Seattle  
 LD, Fish.....4550 18th Av NE—Ken 3072  
 Small, Mary Frances.....Seattle  
 LD, FA.....5285 22nd Av NE  
 Smart, Theodore Tuttle.....Seattle  
 LD, EE.....Terry & Mad Sts—Loronto Htl  
 Smith, Jalliaude.....Seattle  
 UD, Bus.....4505 18th Av NE—Ken 333  
 Smith, Mary Adelaide.....Seattle  
 UD, Sci.....Seattle  
 Smith, L Blanche.....Seattle  
 LD, LA.....4234 11th Av NE  
 Smith, Albert Earl.....Anacortes  
 LD, Bus.....1605 E 47th St—Ken 84  
 Smith, Archie Hartman.....Salem, Or  
 Sp, LA.....4719 16th Av NE—Ken 1246  
 Smith, Catherine Wade.....Bellingham  
 LD, FA.....1344 E 62nd St—Ken 2745  
 Smith, Catharine Wright.....Puyallup  
 Grad, Sci.....Seattle  
 Smith, Charles Joseph.....Seattle  
 LD, Min.....4223 Latona Av—N 3091  
 Smith, Chauncey Henry.....Livingston, Mont  
 1st, Law.....Seattle  
 Smith, Anna Cicely.....Seattle  
 LD, Bus.....125 18th Av N—E 5902  
 Smith, Fonner Dorothea.....Seattle  
 LD, LA.....1722 Madrona Dr—E 4762  
 Smith, Dorothy Cranney.....Tacoma  
 LD, Bus.....1528 18th Av—E 5804  
 Smith, Drew Clizbe.....Seattle  
 Unc, Bus.....228 16th Av N—E 6754

Smith, Eileen I.....Kallispell, Mont  
 LD, FA.....5214 Univ Blvd—Ken 844  
 Smith, Elfreda Allen.....Seattle  
 UD, LA.....4510 22nd Av NE  
 Smith, Emma.....Hamilton  
 LD, Phar.....4218 10th Av NE—N 177  
 Smith, Ethel Beryl.....Vancouver, Wash  
 LD, LA.....4548 Univ Blvd—Ken 659  
 Smith, George Edward Jr.....Seattle  
 UD, Min.....2120 E 47th—Ken 1176  
 Smith, George Mimms Jr.....Seattle  
 UD, LA.....Lander Hall, Campus—N 60  
 Smith, Gladys.....Seattle  
 UD, LA.....1126 83d Av—E 2258  
 Smith, Glenard Dexter.....Seattle  
 Sp, Bus.....YMCA—M 5208  
 Smith, Guy W.....Okanogan  
 Unc, Law.....1533 Bellevue Av  
 Smith, Harold Arden.....Seattle  
 LD, Bus.....1602 18th Av—E 4845  
 Smith, Harry E.....Reedsport, Or  
 Unc, Bus.....4340 11th Av NE—Ken 813  
 Smith, William Harold.....Everett  
 LD, FA.....1962 Boyer Av—E 1070  
 Smith, Miss Herndon.....Seattle  
 LD, LA.....Clark Hall, Campus—N 262  
 Smith, Irving D.....Seattle  
 Unc, Law.....1503 34th Av So  
 Smith, Lawrence Kellam.....Seattle  
 UD, Fish.....4503 Univ Blvd—Ken 236  
 Smith, Leona.....Seattle  
 LD, Sci.....5047 18th Av NE—Ken 2483  
 Smith, Margaret Watson.....Boise, Ida  
 Sp, LA.....5041 22nd Av NE  
 Smith, Marian Alice.....Tacoma  
 LD, Sci.....Lewis Hall, Campus—N 162  
 Smith, Max.....Boise, Ida  
 LD, Bus.....2120 E 47th St—Ken 1176  
 Smith, Merle Homer.....Spokane  
 LD, Bus.....5038 Univ Blvd—Ken 496  
 Smith, Olive E.....Boise, Ida  
 Sp, FA.....Seattle  
 Smith, Otto.....Great Falls, Mont  
 LD, Bus.....5015 Univ Blvd  
 Smith, Pearl.....Seattle  
 Unc, Bus.....1404 E Harrison St—Cap 1151  
 Smith, Phoebe Louise.....Seattle  
 LD, Bus.....E 5902  
 Smith, Priscilla Margaret.....Spokane  
 UD, LA.....4714 Univ Blvd—Ken 2253  
 Smith, Proctor.....Greeley, Col  
 LD, Bus.....5041 12th Av NE—Ken 441  
 Smith, Ralph Leslie.....Miller River  
 Unc, Sci.....8045 11th Av NE  
 Smith, Ralph Myron.....Livingston, Mont  
 LD, Bus.....4524 19th Av NE—Ken 1076  
 Smith, Ralph Ryan.....Seattle  
 UD, Bus.....2120 E 47th St—Ken 1176  
 Smith, Richard Martin.....Seattle  
 Unc, EE.....2448 W 59th St—Bal 1666  
 Smith, Richard Merrill.....Washougal  
 UD, For.....1906 E 45th St—Ken 988  
 Smith, Robert Kidwell.....Seattle  
 LD, ME.....4716 9th Av NE—Ken 3395  
 Smith, Sherwood H.....Seattle  
 UD, Bus.....4505 18th Av NE—Ken 333  
 Smith, Sidney N.....Tacoma  
 LD, Bus.....1906 E 45th St—Ken 2171  
 Smith, Spencer B.....Tacoma  
 LD, LA.....700 E Pike St  
 Smith, Stanford Valentine.....Batonville  
 Unc, Law.....5038 18th Av NE—Ken 1103  
 Smith, Stanley Lawrence.....Seattle  
 LD, ME.....122 Woodlawn Circle  
 Smith, Tremaine John.....Spokane  
 LD, ChE.....1334 Terry Av  
 Smith, Truman L.....Seattle  
 LD, EE.....1306 E 75th St—Ken 608

Smith, Vernetta Verrill.....	Hoquiam
LD, LA.....	4508 16th Av NE—Ken 2708
Smith, Virgil.....	Boise, Ida
LD, LA.....	5041 22nd Av NE
Smith, Wendell Marcus.....	Everett
LD, Bus.....	4524 19th Av NE—Ken 570
Smith, William Hamilton.....	Tacoma
Sp, Bus.....	4738 Brooklyn Av
Smithson, Geraldine.....	Seattle
LD, Jour.....	2401 Smith Bldg—E 4418
Smyth, Ralph S.....	Seattle
LD, For.....	Ashworth, Av
Snelnikoff, Amelia.....	Russia
Sp, LA.....	83 17th Av
Snook, William Warren.....	Ridgefield
LD, EE.....	Campus Barracks
Snortland, Oscar.....	Ferndale
LD, Phar.....	41st & Brooklyn Av
Snow, George William.....	Seattle
Sp, EE.....	417 W 45th St
Snow, Gretchen Ada.....	Blaine
Unc, Bus.....	4048 8th Av NE—N 2509
Snow, Iola.....	Seattle
UD, Sci.....	3039 15th Av W—QA 1725
Snowden, Dorothy Denes.....	Seattle
Unc, FA.....	4319 10th Av NE—N 8550
Snowden, James Mathew.....	Ellensburg
LD, Bus.....	4508 Univ Blvd
Snyder, Dewey Edwin.....	Twain Falls, Ida
LD, EE.....	1007 E Marion St
Soderstrom, Harry Theodore.....	Spokane
Unc, Bus.....	4308 9th Av NE—N 2715
Sohns, Clinton Elwell.....	Spokane
Unc, Bus.....	4503 Univ Blvd—Ken 286
Solomon, Hyman Onley.....	Seattle
LD, LA.....	1533 3d Av W—QA 3282
Soloria, Benito.....	Philippines
LD, Sci.....	4115 15th Av NE—Ken 2377
Sommer, Helen.....	Seattle
LD, Bus.....	8010 E Alder St—E 5586
Sorber, Daniel Glenn.....	Seattle
LD, Sci.....	4359 11th Av NE—Ken 2041
Sorensen, Ada Dorothea.....	Rolling Bay
LD, Sci.....	511 7th Av—M 2547
Sorensen, Otto.....	Edmonds
LD, ME.....	5212 18th Av NE—Ken 887
Sorensen, Mark Howard.....	Bellingham
LD, EE.....	4312 6th Av NE—N 1210
Soss, Israel.....	Spokane
LD, Sci.....	4537 12th Av NE—Ken 1199
Soth, Thomas.....	Kennewick
LD, Bus.....	4711 18th Av NE
Soule, Kenneth Earle.....	Seattle
LD, ME.....	4230 14th Av NE—N 1774
Soule, Nadine.....	Seattle
UD, Ed.....	4230 14th Av NE
Southard, John Henry.....	St. Helens, Or
LD, ChE.....	4325 2nd Av NE—N 2498
South, L J.....	Seattle
LD, Bus.....	6726 Ell Av NW—Bal 3766
Southwick, Charles Ulysses.....	Chelan
LD, ChE.....	4550 18th Av NE—Ken 3072
Southwick, Glen Harold.....	Chelan
LD, Bus.....	4550 18th Av NE—Ken 3072
Southwood, Alma.....	Spokane
LD, FA.....	4518 14th Av NE
Southworth, Deane.....	Tacoma
Unc, LA.....	5004 Univ Blvd—Ken 298
Sowder, Arthur M.....	Coeur d' Alene, Ida
LD, EE.....	4743 19th Av NE
Spack, Orgie John.....	Colfax
LD, Bus.....	4222 10th Av NE—N 2681
Spackman, Esther R.....	Portland, Or
LD, LA.....	1512 Boylston Av—E 1033
Spaulding, Frederick Merrick.....	Sunnyside
LD, Bus.....	
Spanngel, Grace Howe.....	Tacoma
LD, LA.....	2012 E 45th St—Ken 2645
Sparks, Helen.....	Seattle
LD, LA.....	4710 Univ Blvd
Sparling, George W.....	Seattle
LD, Sci.....	1415 E Republican St
Spaulding, Arline.....	Tacoma
LD, Bus.....	2012 E 45th St—Ken 2645
Spaulding, David L.....	Hood River, Or
LD, Bus.....	1616 E 47th St—Ken 149
Spaulding, Florence L.....	Seattle
Grad.....	2220 Queen Anne Av—QA 1574
Spaulding, Royston Morrow.....	Seattle
LD, Sci.....	6701 Greenwood Av—Bal 2299
Spearman, Theodore.....	Yakima
LD, EE.....	7334 12th Av NW
Speck, Elsie Margaret.....	Seattle
LD, Bus.....	435 Summit Av N
Speer, Earnest De Witt.....	Seattle
UD, Ed.....	YMCA, Campus
Speir, James Hollister.....	Seattle
LD, Bus.....	4520 21st Av NE—QA 564
Speer, Howard Bensaloo.....	Seattle
1st, Law.....	109 17th Av N—E 7058
Spencer, Frank Curtis.....	Seattle
LD, Bus.....	4505 18th Av NE
Spencer, Marian E.....	Seattle
LD, FA.....	1950 4th Av W
Spencer, Mildred.....	Seattle
UD, Sci.....	705 N 50th St—N 2582
Spencer, Paul Lyman.....	Seattle
Unc, Bus.....	522 Liberty Court
Spencer, Ralph Wellington.....	Bovill, Ida
LD, ChE.....	3704 48th Av NE—Ken 129
Spencer, Rhodes Vaughn.....	Seattle
UD, EE.....	5236 12th Av NE—Ken 998
Spencer, Robinson.....	Seattle
Grad.....	6012 4th Av NE
Spencer, William A.....	Seattle
Grad.....	6019 28th Av NE
Sperling, Otto Frederick.....	Spokane
LD, EE.....	5407 21st Av NE—Ken 2825
Sperry, Emery Franklin.....	Yakima
LD, Bus.....	4738 Univ Blvd
Speyers, A Willoughby Jr.....	Yakima
UD, LA.....	4525 12th Av NE—Ken 469
Spiesike, Daisy Marletta.....	Seattle
UD, Ed.....	2215 Bigelow Av
Spradley, William Francis.....	Annacortes
LD, Bus.....	Terry Hall, Campus—N 60
Sprague, Delbert W.....	Seattle
LD, For.....	5631 20th Av NE—Ken 2023
Sprague, Hollister T.....	Seahurst Pk
Grad.....	4616 21st Av NE—Ken 490
Spiesterbach, Alice.....	Everett
LD, FA.....	
Spring, Seymour Grace.....	Yakima
LD, ChE.....	4505 16th Av NE—Ken 333
Springer, Earl Harold.....	Edwall
Unc, Bus.....	2014 N 45th St—N 1034
Springer, Irene A.....	Olympia
LD, LA.....	4524 Univ Blvd—Ken 2496
Springer, Maurice.....	Olympia
LD, Bus.....	4520 21st Av NE—Ken 2600
Squier, Charlotte Irene.....	Seattle
LD, Ed.....	58 W Dravus St—QA 4488
Sroufe, John Clark.....	Seattle
Unc, Min.....	124 N 73d St—Bal 652
Staatz, Stanley Wallace.....	Seattle
3d, Law.....	4506 Univ Blvd—Ken 291
Stalberg, Doris.....	Everett
LD, Phar.....	4732 21st Av NE—Ken 109
Staley, Ethel Maud.....	Battle Creek, Mich
Grad.....	Black Diamond
Stamm, Claus Henry.....	Bonniers Ferry, Ida
Unc, ChE.....	4321 Eastern Av
Stanciliffe, Imogene.....	Seattle
LD, LA.....	3624 Whitman Av—N 2232
Standcliffe, Joseph B.....	Seattle
LD, LA.....	3624 Whitman Av—N 2232

Stangland, Frances.....	Madras, Or
LD, LA.....	5250 18th Av NE
Stanley, Maxine.....	Tacoma
LD, LA.....	4551 Univ Blvd
Stansell, Nicholas Richmond.....	Creswell, Or
LD, Phar.....	710 Boren Av—E11 8670
Stanton, Mrs B Bradley.....	Seattle
UD, Sci.....	3808 23rd Av So
Stanton, Margaret Tarbell.....	Seattle
LD, LA.....	4548 12th Av NE—Ken 2596
Starhelm, John.....	Seattle
Sp, Phar.....	6238 Wallingford Av—Ken 359
Starin, Edward.....	Seattle
LD, Bus.....	1000 15th Av N—E 5677
Starin, Joseph.....	Seattle
LD, Bus.....	1000 15th Av N—E 5677
Starker, Caroline Marguerite.....	Portland, Or
LD, Bus.....	4543 Univ Blvd—Ken 650
Starr, Elizabeth Anita.....	Walla Walla
UD, Sci.....	2012 E 45th St—Ken 2645
Starr, Beatrice Evangeline.....	Seattle
1st, Law.....	604 Kinnear Pl
Starrett, Frederick Raymond.....	Victoria, B C
LD, Sci.....	4557 Brooklyn Av—Ken 1948
Staube, Alfred.....	Seattle
Min.....	520A, Main St
Stead, Miriam Ellen.....	Lanesdean, Sask
UD, LA.....	1100 Edgar St
Stead, Samuel Wayne.....	Griggsville, Ill
Unc, Bus.....	5281 E 42nd St—Ken 2053
Stears, Josephine.....	Ellensburg
UD, Sci.....	Lewis Hall, Campus—N 162
Stedman, David Baxter.....	Seattle
Sp, For.....	The Highlands—Bal 2887
Steele, Elsie.....	Seattle
UD, Ed.....	1420 Warren Av—QA 2018
Steele, Victor Harvey.....	Clarkston
LD, LA.....	
Steelman, Eleanor.....	Salt Lake City, Utah
LD, LA.....	4508 16th Av NE
Steensen, Mark Darrow.....	Yakima
Sp, Bus.....	5003 18th Av NE—Ken 1602
Stegner, Guy T.....	Irving, Wash
UD, LA.....	4550 18th Av NE
Steinberg, Abe.....	Seattle
LA.....	2083 Main St
Steindorf, Eric C.....	St Ignatius, Mont
LD, LA.....	6288 Sea View Drive
Steinke, Pearl.....	Glasgow, Mont
LD, Ed.....	3944 14th Av NE
Stelling, Anita Marie.....	Everett
LD, LA.....	5527 Univ Blvd—Ken 2079
Stelling, Lorina Elizabeth.....	Everett
LD, LA.....	5208 18th Av NE—Ken 1417
Stendal, William Henry.....	Kalispell, Mont
LD, Bus.....	
Stenson, William F.....	Snohomish
LD, Sci.....	Campus Barracks
Stephens, Elmer Reid.....	Clarkston
LD, Sci.....	1616 E 47th St—Ken 149
Stephens, Tilda Elsie.....	Algona
Unc, Sci.....	YWCA
Stephenson, Edith Frances.....	Portland, Or
UD, LA.....	4782 16th Av NE
Stephenson, Edna.....	Seattle
LD, LA.....	1129 N 98th St—Bal 3002
Stephenson, Marian Lucille.....	Portland, Or
UD, Sci.....	4584 Univ Blvd—Ken 20
Stevenson, Oscar A.....	Manson
Sp, Bus.....	4226 12th Av NE
Stern, Fred R.....	Seattle
LD, EE.....	116 Fairview Av
Stetson, Bertha.....	Port Orchard
LD, LA.....	411 N 50th St
Stevens, Edith F.....	Seattle
LD, LA.....	4128 15th Av NE—N 2611
Stevens, Grant Aaron.....	Seattle
LD, Bus.....	806 28th Av—E 8478
Stevens, Manuel.....	Seattle
Unc, ChE.....	2802 Eaton St
Stevens, Marjorie.....	Seattle
LD, LA.....	4524 Univ Blvd—Ken 2496
Stevens, Morris.....	Snohomish
LD, For.....	4505 18th Av NE—Ken 838
Stevens, Richard F.....	Seattle
Unc, LA.....	4123 15th Av NE—N 2611
Stevensen, Lilla Christena.....	Tacoma
LD, LA.....	4530 Univ Blvd—Ken 983
Stevenson, Agnes.....	Victoria, B C
LD, LA.....	7612 5th Av NE—Ken 2541
Stevenson, De.....	Seattle
UD, Sci.....	1207 Ravenna Blvd—Ken 246
Stewart, Arthur William.....	Seattle
UD, ME.....	5212 18th Av NE—Ken 887
Stewart, Clyde Emery.....	Prosser
UD, EE.....	4538 10th Av NE—Ken 2647
Stewart, Edgar I Jr.....	Seattle
1st Law.....	1149 N 84th St
Stewart, Freddie William.....	Duvall
Unc, Sci.....	
Stewart, Glenn Rutledge.....	Ellensburg
LD, Bus.....	4616 21st Av NE
Stewart, June Christabell.....	Seattle
Unc, Sci.....	8604 45th St S—Ral 2377
Stewart, Isabel Clarissa.....	Seattle
UD, Sci.....	720 Nob Hill Av—QA 1380
Stewart, James Stanley.....	Boise, Ida
LD, Bus.....	4524 19th Av NE—Ken 199
Stewart, Margaret.....	Mt Vernon
Unc, LA.....	2723 Boylston Av N—Cap 618
Stewart, Mary Lucille.....	Portland, Or
LD, LA.....	4508 16th Av NE—Ken 2768
Stewart, Philip Harold.....	Prosser
LD, EE.....	4538 10th Av NE—Ken 2647
Stewart, Ralph Bentleigh.....	Seattle
LD, Sci.....	720 Nob Hill—QA 1380
Stewart, Robert Harold.....	Spokane
LD, Sci.....	4504 16th Av NE—Ken 647
St. Germain, Garnette M.....	Seattle
LD, LA.....	1418 Minor Av—M 4389
Stigenwalt, Alpha Lee.....	Chewelah
LD, EE.....	4522 18th Av NE—Ken 3681
Stiles, Dean Fawcett.....	Keyport
Unc, Sci.....	201 Liberty Bldg—E1 1672
Stiles, Merritt Henry.....	Tacoma
LD, LA.....	4520 21st Av NE—Ken 2600
Stiles, Russell M.....	Sedro-Woolley
Unc, Phar.....	103 13th Av N
Stillman, Allyn Putnam.....	Spokane
LD, Bus.....	4229 Brooklyn Av
Stillson, Merle Osgood.....	Seattle
LD, ChE.....	4712 Avalon Pl—Ken 1193
Stirns, Leonard.....	Reardon
LD, LA.....	1605 E 47th St
Stixrud, Thora Louise.....	Litchville, N D
LD, LA.....	5031 8th Av NE
Stixrud, Lydia Emilie.....	Litchville, N D
LD, LA.....	5031 8th Av NE
St. John, Bernice.....	Chahalis
Unc, LA.....	4548 Univ Blvd—Ken 26
St. John, Mabel.....	Snohomish
LD, LA.....	4739 16th Av NE—Ken 1280
Stoddart, Eva Lucille.....	Hillyard
Unc, Bus.....	4529 7th Av NE—Ken 1740
Stoddart, Margaret.....	Vancouver, B C
LD, Sci.....	Clark Hall, Campus—N 262
Stoltenberg, Claire Evelyn.....	Seattle
LD, FA.....	1128 21st Av N—F 7521
Storner, Ida.....	Seattle
UD, Sci.....	6409 Yarmouth Pl
Stone, Caleb Smith Jr.....	Wallace, Ida
LD, Sci.....	4508 Univ Blvd—Ken 286
Stone, Leigh D.....	Seattle
Sp, EE.....	4239 11th Av NE
Stone, Mabel Gladys.....	Spokane
UD, FA.....	4548 Univ Blvd—Ken 659



- Stone, Ruth E.....Spokane  
UD, Ed.....4543 Univ Blvd—Ken 659
- Stone, Sally Burd.....Wallace, Ida  
LD, LA.....4546 18th Av NE—Ken 596
- Storms, Walter Rex.....Laredo, Mo  
LD, Min.....Lander Hall, Campus—N 60
- Storuck, Arthur Christian.....Silvana  
LD, Sci.....Lander Hall, Campus—N 60
- Story, James Paul.....Seattle  
LD, Bus.....1109 15th Av—E 4470
- Stout, Olive May.....Fairfield  
LD, LA.....5026 15th Av NE—Ken 1687
- Stovcl, Vivian Winifred.....Seattle  
LD, LA.....1717 E 63d St—Ken 2212
- Stover, Merrill McCord.....Seattle  
LD, EE.....5211 16th Av NE—Ken 3624
- Stoy, Thomas W.....Seattle  
LD, Min.....Hoye St—QA 1360
- Strain, Myron Morrison.....Seattle  
Unc, FA.....524 Malden Av—Cap 8399
- Stranack, Janet Katharine.....Seattle  
UD, LA.....954 20th Av NE—E 5950
- Strand, Erling.....Petersburg, Alaska  
LD, LA.....4254 7th Av NE—N 3795
- Strand, William.....Ilwaco  
LD, EE.....
- Strande, Einar.....Seattle  
LD, EE.....1715 W 62nd St
- Strande, Alfred.....Seattle  
LD, ME.....1715 W 62nd St
- Strate, Johanna.....Seattle  
UD, LA.....1805 E 41st St
- Stratton, Irving.....Seattle  
Unc, LA.....1116 16th Av N
- Stratton, Julius.....Seattle  
LD, LA.....153 Malden Lane—E 8929
- Stratton, Willard Estes.....Seattle  
LD, Phar.....500A W Mercer St—QA 2941
- Strauss, Siegfried.....Colville  
LD, Sci.....4514 20th Av NE—Ken 8168
- Streator, Gertrude Inez.....Seattle  
Grad.....1726 15th Av—E 900
- Stromberg, Lawrence Ralph.....Port Townsend  
LD, LA.....Lander Hall, Campus—N 60
- Strommer, Eric Iyan.....Aberdeen  
LD, Fish.....4530 14th Av NE—Ken 655
- Strong, James.....Greeley, Col  
LD, Engr.....5041 12th Av NE
- Strong, Evelyn Blanche.....Portland, Or  
LD, Sci.....4543 Univ Blvd—Ken 659
- Strong, Gladys Delight.....Edmonds  
LD, Ed.....4738 16th Av NE—Ken 3828
- Strong, James.....Greeley, Colo  
Unc, ME.....4115 14th Av NE
- Strong, Lloyd Christy.....Bellevue  
LD, Bus.....1605 E 47th St—Ken 2431
- Strope, Theodore.....Wallace, Ida  
LD, CE.....4026 12th Av NE
- Strube, Charles G Jr.....Portland, Or  
UD, ME.....4366 7th Av NE—N 1635
- Struble, Mildred C.....Seattle  
Grad.....4521 21st Av NE
- Stuart, Grace Margaretta.....Ellensburg  
LD, LA.....4722 15th Av NE—Ken 2804
- Stuart, Josephine.....Seattle  
Unc, LA.....4514 16th Av NE—Ken 904
- Stuart, Erma Cleland.....Seattle  
LD, LA.....4515 15th Av NE—Ken 905
- Stubor, Esther Eloise.....Bellingham  
UD, LA.....4547 Univ Blvd—Ken 1004
- Styer, Cornelius W.....Seattle  
LD, LA.....1858 N 52nd St—N 2049
- Sucgang, Felipe P.....Philippines  
LD, Sci.....4549 15th Av NE
- Suess, Walter.....Seattle  
LD, Bus.....1708 3d Av N—QA 4113
- Sullivan, Clare Agnes.....Seattle  
UD, LA.....5023 18th Av NE—Ken 3695
- Sullivan, John D.....Belton, Mont  
UD, Sci.....
- Sullivan, John Edward.....Seattle  
LD, Sci.....5028 18th Av NE—Ken 3695
- Sullivan, Richard Francis.....Seattle  
UD, LA.....2727 Boylston Av N—Cap 2822
- Sullivan, Thomas Phillip.....Cambridge, Mass  
LD, Sci.....YMCA
- Sumarildason, Franklin.....Olympia  
LD, EE.....7100 28th Av NW—Bal 2815
- Sumbardo, Alexander Henry.....Seattle  
LD, EE.....1715 Sunset Av
- Sunsida, James Hoshio.....Portland, Or  
LD, LA.....218 Occidental Av—M 5575
- Summers, A Burks.....Washington, D C  
LD, Bus.....2120 E 47th St—Ken 1176
- Summersett, Peter Jr.....Chehalis  
Unc, Law.....4616 21st Av NE—Ken 430
- Summers, Doris Edith.....Seattle  
UD, LA.....4238 Ashworth Av—N 1149
- Summers, Dorothy.....Marysville  
Unc, Sci.....5047 18th Av NE—Ken 2483
- Summy, Archibald Peers.....Seattle  
LD, Bus.....5087 16th Av NE—Ken 931
- Summer, Anne Laura.....Prosser  
Unc, FA.....1804 E 50th St—Ken 802
- Summer, Muriel.....Seattle  
LD, Sci.....5102 Woodlawn Av—N 1339
- Sunderland, A Genevieve.....Goldendale  
LD, Sci.....5224 12th Av NE—Ken 1036
- Sundling, Doris Mae.....Seattle  
LD, Bus.....3807 11th Av NE
- Suransky, Paul.....Seattle  
UD, EE.....443 23d Av S—Bea 3460
- Sutcliffe, Stanley Earl.....Seattle  
LD, Bus.....2354 W 73d St—Bal 976
- Sutherland, Margaret.....Colfax  
Unc, FA.....1061 E Mercer St—Cap 1236
- Sutherland, Ray C.....Tacoma  
Unc, Bus.....4505 18th Av NE—Ken 333
- Sutherland, Starr S.....Seattle  
LD, LA.....5019 8th Av NE—Ken 2055
- Sutthoff, Helen Katherine.....Seattle  
UD, Bus.....4710 Univ Blvd—Ken 1857
- Sutthoff, John Russel.....Seattle  
UD, Bus.....4532 18th Av NE—Ken 2827
- Swain, Kenneth Hudson.....Seattle  
LD, Bus.....4739 19th Av NE—Ken 2268
- Swain, Olive.....Tacoma  
LD, Sci.....4540 Univ Blvd—Ken 1092
- Swale, Jack Bracy.....Everett  
3d, Law.....5212 18th Av NE
- Swalwell, Corlaine.....Everett  
LD, LA.....4524 Univ Blvd—Ken 2496
- Swanberg, Amy.....Seattle  
Unc, Bus.....2048 W 56th St—Bal 1504
- Swanberg, Roy.....Seattle  
LD, Min.....216 Valley St
- Swann, Margaret Annette.....Seattle  
UD, LA.....5081 11th Av NE—Ken 2103
- Swanson, Walter Waldemar.....Clearbrook  
LD, EE.....4743 19th Av NE
- Swartz, Lytton M.....Bellingham  
Unc, Bus.....
- Swearingen, Daphne.....Pendleton, Or  
LD, Ed.....2012 E 45th St—Ken 2645
- Swengle, Walter.....Seattle  
LD, ME.....2302 N 44th St—N 2106
- Swenson, Rudolph Emil.....Erie, Pa  
LD, Sci.....Terry Hall, Campus—N 60
- Swezea, Vernita.....Seattle  
LD, FA.....4524 Univ Blvd—Ken 2496
- Swift, Lester John.....Hoquiam  
LD, Sci.....4704 18th Av NE—Ken 541
- Sykes, Harriett.....Seattle  
LD, LA.....1948 8th N
- Sylvén, Helge.....Sweden  
Sp, For.....3804 10th Av NE
- Sylvester, Wilbur Vincent.....Seattle  
Sp, EE.....219 W 60th St

Talmadge, Walter Heath.....Seattle  
LD, ME.....5417 18th Av NE  
Tamens, Florencio.....Philippines  
Sp, For.....4308 9th Av NE—N 2715  
Tanabe, Borge B.....Japan  
LD, ChE.....4110 12th Av NE—N 3797  
Tanner, Maud Lura.....Seattle  
LD, FA.....828 16th Av—E 5033  
Tanner, Mary Catherine.....Baker, Or  
Unc, Sci.....5604 Univ Blvd  
Tarter, Clyde S.....Seattle  
LD, Phar.....1110 18th Av N  
Taylor, Archie Bertrand.....Sumner  
LD, Jour.....5015 Univ Blvd  
Taylor, Claude L.....Koskia, Ida  
LD, Sci.....1408½ E 43d St  
Taylor, Colin Alexander.....Seattle  
LD, EE.....4757 42nd Av S—Ral 460W  
Taylor, Donald Hugh.....Seattle  
LD, Bus.....4505 18th Av NE—Ken 333  
Taylor, Ellen.....Spokane  
LD, LA.....4216 Pasadena Av—N 2852  
Taylor, Faith Elizabeth.....Langley  
LD, LA.....Clark Hall, Campus—N 202  
Taylor, Frank Howard.....Seattle  
LD, Bus.....1303 Univ St—M 7600  
Taylor, George S.....Prosser  
LD, Bus.....4550 18th Av NE  
Taylor, Grace Gladys.....Seattle  
UD, LA.....911 N 47th St—N 1624  
Taylor, Harriet Mary.....Seattle  
LD, Sci.....6004 6th Av NW—Bal 1333  
Taylor, James Lynn.....Seattle  
LD, LA.....1205 E 45th St—Ken 1016  
Taylor, Jeanette.....Seattle  
Unc, Bus.....303 20th Av S—Bea 4392  
Taylor, Joe Elmer Rex.....Seattle  
LD, Phar.....1815 6th Av W  
Taylor, Lloyd.....Seattle  
LD, Bus.....2727 Fairview Av  
Taylor, Margaret Sophia.....Seattle  
LD, LA.....6004 6th Av NW—Bal 1333  
Taylor, William P J.....Tacoma  
LD, ME.....915 E Pine St  
Taylor, William Sneed Jr.....Darrington  
LD, For.....4520 21st Av NE—Ken 2600  
Teall, Hazel Connell.....Walla Walla  
Unc, FA.....4726 11th Av  
Telg, Clifford L.....Seattle  
LD, CE.....4142 12th Av NE  
Tefada, Emiliano A.....Philippines  
LD, LA.....4522 18th Av NE  
Teller, Belle.....Seattle  
Sp, Ed.....431 14th Av N—Cap 3250  
Temple, Mary S.....Tacoma  
Sp, LA.....Lewis Hall, Campus—N 162  
Templeton, Esther Ermina.....Oakesdale  
UD, LA.....935½ Ewing St  
Tenney, Gertrude Madeline.....Seattle  
LD, LA.....1508 E 62nd St  
Terrell, Agnes N.....Billings, Mont  
LA.....5014 15th Av NE  
Terrell, Mary.....Seattle  
LD, LA.....1162 16th Av N—E 7537  
Terril, Corwin Le Roy.....Kennewick  
LD, Bus.....Loyal Heights—Bal 272  
Terry, Bucla.....Bothell  
LD, LA.....Bothell  
Terry, Sumner Alfred.....Detroit, Mich  
Unc, Law.....5041 12th Av NE—Ken 441  
Terle, David Russell Jr.....Seattle  
LD, Bus.....4527 16th Av NE—Ken 2081  
Tewis, James.....Seattle  
Unc, LA.....4527 16th Av NE—Ken 2081  
Thelsen, Arthur Leonard.....Seattle  
UD, Bus.....1906 E 45th St—Ken 2171  
Thiel, Cordella Madeline.....Seattle  
Unc, Law.....4825 Austin St—Ral 931J

Thing, Curtis W.....Seattle  
Grad.....4541 14th Av NE—Ken 158  
Thomadsen, Leroy Nelson.....Seattle  
LD, Min.....5212 18th Av NE—Ken 887  
Thoman, Ira Claude.....Cle Elum  
LD, Sci.....5211 16th Av NE  
Thomas, Bertram.....Renton  
LD, Sci.....5012 10th Av NE  
Thomas, Donald Partridge.....Seattle  
LD, FA.....4520 21st Av NE—Ken 2600  
Thomas, Gertrude Marion.....Cosmopolis  
LD, Sci.....4508 16th Av NE—Ken 2678  
Thomas, Homer Evan.....Cornopolis, Pa  
LD, LA.....4754 16th Av NE  
Thomas, Irving Wheat.....Seattle  
UD, LA.....4520 21st Av NE—Ken 2600  
Thomas, Lee Baldwin.....Sunset  
LD, Bus.....4743 19th Av NE—Ken 1251  
Thomas, Margaret.....Bellingham  
LD, Sci.....2305 E 40th St—Ken 2156  
Thomas, Mildred Irene.....Seattle  
Unc, Sci.....1819 Kilbourne St  
Thomas, Ruth.....Port Blakley  
LD, LA.....Port Blakley—30W  
Thompson, Aletha.....Seattle  
UD, LA.....4243 6th Av NE  
Thompson, Allen Emmet.....Seattle  
LD, For.....1211 E Madison St—E 519  
Thompson, Catherine.....Pendleton, Or  
UD, LA.....4504 18th Av NE—Ken 146  
Thompson F. Clare.....Tacoma  
LD, Bus.....1812 E 63d St—Ken 1770  
Thompson, Effie Hazel.....Yakima  
UD, Sci.....4747 16th Av NE—Ken 1704  
Thompson, Elizabeth Ruth.....Portland, Or  
UD, Sci.....1408 E 42nd St—N 48  
Thompson, Ella.....Seattle  
Unc, FA.....653 Banner Pl—Ken 1538  
Thompson, F Esther.....Sioux Falls, S D  
LD, Bus.....6742 Sycamore Av  
Thompson, Ethel Marion.....Everett  
Unc, Bus.....4710 Univ Blvd—Ken 1875  
Thompson, George Frank.....Lewiston, Ida  
Unc, Bus.....4518 16th Av NE—Ken 2953  
Thompson, Helen.....Pendleton, Or  
LD, LA.....4504 18th Av NE—Ken 146  
Thompson, Jane.....Tacoma  
LD, LA.....4524 Univ Blvd—Ken 2496  
Thompson, Lois Dorothy.....Seattle  
Unc, LA.....3500 Densmore Av  
Thompson, Myron S.....Seattle  
Sp, Sci.....4382 14th Av NE  
Thompson, Nathan P.....Everett  
LD, EE.....5243 19th Av NE  
Thompson, Richard Aldwin.....Seattle  
UD, Bus.....5261 12th Av NE  
Thompson, William Hale.....Centralia  
Unc, Bus.....3235 Univ Blvd—Ken 618  
Thompson, Thelm.....Pendleton, Or  
LD, LA.....4504 18th Av NE—Ken 146  
Thoms, Gladys.....Everett  
UD, LA.....6329 16th Av NE  
Thomson, (Mrs) Bertha M.....Seattle  
Sp, FA.....1416 E 41st St—N 232  
Thomson, Frances Clifton.....Seattle  
UD, Jour.....2454 Harvard Av N—Cap 1476  
Thomson, Reginald Heber Jr.....Seattle  
LD, Bus.....2454 Harvard Av N—Cap 1476  
Thoren, Amy Johanna A.....Seattle  
LD, Ed.....Lewis Hall, Campus—N 162  
Thorsen, Wallace.....Seattle  
LD, ChE.....410 Minor Av N  
Thomdike, Charles Jesse.....Seattle  
LD, FA.....2441 Federal Av  
Thorn, William A.....Abbotsford, B C  
LD, ME.....Brooklyn Av  
Thornton, Hazel Jo.....Yakima

Tada, Enichi H.	Japan
Unc, CE.	4110 12th Av NE
Taft, Alice Louise.	Seattle
LD, LA.	1620 12th Av W—QA 4420
Taft, Dorothy Grace.	Seattle
Unc, Ed.	811 34th Av—E 980
Taft, Marion Alice.	Hogulam
Unc, LA.	4508 16th Av NE—Ken 2768
Takemoto, Ino	
Unc, LA	
Talbot, Archibald W.	Spokane
LD, Bus.	4503 Univ Blvd—Ken 236
Thornton, Ross C B.	Seattle
LD, Sci.	5111 Brandon St—Rai 61M
Thorpe, Clarence S.	Seattle
LD, EE.	2414 N 45th St—N 1084
Thorsen, Warren Martin.	Portland, Or
UD, Bus.	4524 10th Av NE—Ken 199
Thorslen, Delmont Samuel.	Sprague
LD, Bus.	2120 E 47th St—Ken 1176
Thorsteinson, Idunn	Seattle
Unc, LA.	315 11th Av N—Cap 3777
Taving, Samuel Prentiss.	Seattle
LD, Bus.	4711 18th Av NE—Ken 1642
Tibbitts, Erva Lillian.	Cashmere
LD, Sci.	4731 11th Av NE
Tibbitts, Marion Manilla.	Seattle
LD, FA.	4547 19th Av NE—Ken 28
Tidball, Ben Watson.	Bellingham
LD, Bus.	4616 21st Av NE—Ken 490
Tidmarsh, Patrick Maurice.	Seattle
Unc, CE.	The Highlands—Bal 1903
Tiemens, George Edward.	Kelson
UD, Phar.	4524 8th Av NE
Tiffin, Lucius D.	Seattle
Sp, Sci.	115 County-City Bldg—M 5900
Tiller, Arnt	Seattle
LD, LA.	715 Stewart Av
Timmons, Elizabeth	Seattle
LD, LA.	RFD, 7—Sid 1610
Tinling, Gertrude Jean.	Seattle
UD, LA.	4524 Univ Blvd—Ken 2496
Tinling, Norman Jay.	Seattle
Unc, ChE.	921 Roanoke St—Cap 1876
Tlonsgon, Felix.	Manilla, P I
Sp, Bus.	4808 9th Av NE
Titus, Pauline Virginia.	Portland, Or
Unc, LA.	5203 18th Av NE
Tjersland, Hilda H.	Mt Vernon
Unc.	564 Highland Drive
Tjosdal, Ruth A.	Burton
LD, LA.	
Todel, Geraldine.	Seattle
LD, LA.	4504 18th Av NE
Todd, Daphne.	Tacoma
LD, Bus.	4710 Univ Blvd
Todd, Elaine	Seattle
Unc, FA.	268 E 42nd St—N 1098
Todd, John William Stover.	Portland, Or
LD, Bus.	1205 E 45th St—Ken 1016
Todd, Ruth Marcele.	Seattle
UD, Sci.	268 E 42nd St—N 1099
Tollenaar, Charles Arthur.	Sumner
LD, Sci.	6810 16th Av NE
Tolmie, Jack Roderick.	Seattle
UD, EE.	1213 Columbia St—M 1804
Tomas, Nicanor.	Philippines
LD, Bus.	Terry Hotel—E11 1080
Toner, Lawrence Edward.	Sunnyside
LD, Bus.	3733 Brooklyn Av
Toomey, Floyd Francis.	Seattle
3d, Law.	812 14th Av
Tope, William George.	Tacoma
Unc, Engr.	806 1st Av
Torpen, Hiram Maurice.	Seattle
Sp, Bus.	2604 2nd Av N—QA 1784
Torrance, Roscoe C.	Spokane
LD, Bus.	4506 Univ Blvd—Ken 201
Torvinen, Roy	Juneau, Alaska
Unc, Bus.	1461 22nd Av—E 8784
Totten, Morrell P.	Seattle
LD, LA.	5626 Brooklyn Av
Tovey, Idylene M.	Des Moines, Iowa
Grad.	428 17th Av N
Towne, Mertice	Aberdeen
UD, LA.	4508 16th Av NE—Ken 2768
Townes, Kathryn Genevieve.	Seattle
LD, LA.	506 15th Av N—E 6474
Townsend, Frank Simson.	Seattle
LD, Bus.	1616 E 47th St—Ken 149
Townsend, John G.	Utica, N Y
Sp, Sci.	403 9th Av
Townsend, Russell Barry.	Everett
LD, Sci.	4249 10th Av NE—N 3215
Tracy, Lois.	Seattle
LD, Bus.	820 15th Av—E 5782
Trandum, F Walter.	Seattle
Unc, Bus.	114 W Republican St
Travis, Beverly Artemis.	Pinehurst
LD, EE.	4130 12th Av NE
Trawick, Margaret P.	Opelika, Ala
LD, LA.	4543 Univ Blvd—Ken 199
Tremper, Edward Payson Jr.	Seattle
LD, Bus.	4530 14th Av NE—Ken 555
Trenholme, Dickson Grandy.	Seattle
LD, Bus.	1000 E 75th St—Ken 250
Trenholme, Ruth	Seattle
LD, Bus.	1000 E 75th St—Ken 250
Trevelthen, William	Seattle
Sp, ChE.	5108 Woodlawn Av—N 2861
Trim, Polly B.	Renton
Unc, Ed.	Renton
Troth, Dennis C.	Seattle
Grad	YMCA, Campus
Troutman, Samuel Paul.	Tacoma
Sp, EE.	4330 11th Av NE
Trow, Arthur	Seattle
UD, Bus.	4530 14th Av NE—Ken 555
Trowbridge, Arthur Raymond.	Snohomish
Sp, Bus.	2722 10th Av N—Cap 345
Troy, Dorothy Patricia.	Juneau, Alaska
Unc, LA.	4524 Univ Blvd—Ken 2496
Troy, Harold Preston.	Olympia
LD, Bus.	908 Shelby St—Cap 1442
Troy, Helen Marion.	Juneau, Alaska
LD, LA.	4524 Univ Blvd—Ken 2496
Troy, Marion Lucile.	Olympia
LD, Ed.	4524 Univ Blvd—Ken 2496
Troy, Mary Madeline.	Olympia
LD, LA.	Lewis Hall, Campus—N 162
Truebridge, John Kenneth.	Seattle
LD, LA.	4532 18th Av NE—Ken 2827
Trullinger, Jesse Truman.	Olympia
LD, Bus.	5248 19th Av NE—Ken 8469
Trumbull, J Jonathan.	Seattle
LD, Bus.	4532 18th Av NE—Ken 2827
Tuck, Marjorie Ellen.	Billings, Mont
LD, LA.	5637 15th Av NE—Ken 3263
Tucker, Forrest	Seattle
Sp, Bus.	4532 18th Av NE—Ken 2827
Tucker, Clyde Lynne.	Tacoma
3d, Law.	4736 10th Av NE
Tucker, Josephine Olive.	Seattle
UD, LA.	4018 Eastern Av—N 2738
Tucker, Alexander Nesbit.	Seattle
LD, ChE.	505 11th Av N—Cap 1019
Tucker, Stacy Argyle.	Bellingham
LD, LA.	4504 16th Av NE—Ken 647
Tudor, Guy M.	New Dayton, Alta
LD, EE.	5038 Univ Blvd—Ken 496
Tuesley, Esther	Yakima
LD, LA.	4710 Univ Blvd—Ken 1857
Tung, Sung-Waun.	China
Unc, Bus.	4528 Brooklyn Av—Ken 27
Tupas, Ambrosia Barbosa.	Philippines
LD, Min.	1404 E 41st St

- Turnaciliffe, Mary Lucille .....Seattle  
 Unc, Phar.....4551 Univ Blvd—Ken 501  
 Turnblad, Magnus Harold.....Seattle  
 LD, LA.....1424 N 50th St—N 1425  
 Turner, Clark .....Woodinville  
 LD, ChE.....  
 Turner, Gains S.....Mt. Vernon  
 Unc, Bus.....4253 7th Av NE  
 Turner, Harvey Elijah.....Davenport  
 LD, Bus.....2120 E 47th St—Ken 1176  
 Turner, Herbert Clair.....Seattle  
 UD, Bus.....5038 Univ Blvd—E 1821  
 Turner, Homer Elbert.....Lewiston, Ida  
 LD, Bus.....4518 16th Av  
 Turner, Homer Ewert.....Seattle  
 Unc, Bus.....1125 39th Av N—E 353  
 Turner, Howard Rees.....Walla Walla  
 LD, Bus.....1816 E 47th St—Ken 149  
 Turner, Laura Anna.....Oshkosh, Wis  
 UD, Sci.....4535 18th Av NE—Ken 1429  
 Turner, Lloyd Edwin.....Spokane  
 LD, Sci.....4749 15th Av NE—Ken 437  
 Turner, Marston.....Seattle  
 LD, Bus.....2120 E 47th St—Ken 1176  
 Turner, Charles Maynard.....Everett  
 LD, EE.....5812 10th Av NE—Ken 159  
 Turner, Paul Leonard.....Outlook  
 LD, For.....4528 20th Av NE—Ken 1301  
 Turner, Roy Paris.....Seattle  
 LD, Sci.....1406 E 45th St  
 Turner, G Victor.....Mt. Vernon  
 LD, EE.....5026 21st Av NE—Ken 3034  
 Turner, Wendell Walter.....Seattle  
 LD, Bus.....1903 2nd Av W—QA 679  
 Turnure, Ralph Harold.....Portland, Or  
 UD, Bus.....4752 12th Av NE—Ken 3654  
 Turnure, Marvel Beatrice.....Portland, Or  
 LD, FA.....4535 18th Av NE—Ken 1429  
 Turpin, Harold Lester.....Seattle  
 LD, Bus.....4203 11th Av NE—N 2364  
 Tusler, Charles Harold.....Wilbur  
 LD, CE.....4035 15th Av NE—N 1725  
 Tussling, Aubrey Smith.....Brownsville, Or  
 Unc, LA.....  
 Tuttle, Esther Belle.....Spokane  
 Unc, Sci.....Clark Hall, Campus—N 262  
 Tuttle, Robert Frederick.....Tacoma  
 LD, ME.....4616 21st Av NE—Ken 490  
 Tweed, Earl Allen.....Kennewick  
 LD, LA.....4518 12th Av NE—Ken 3832  
 Tweed, Mildred.....Seattle  
 LD, LA.....2451 1st Av W  
  
 Uddenberg, Alice.....Gig Harbor  
 LD, Bus.....4540 Univ Blvd—Ken 1092  
 Umbrite, Samuel Phillip.....Rickmond Beach  
 LD, For.....Rickmond Beach—Rich 161  
 Underwood, Coleman Hugh.....Seattle  
 LD, EE.....E 1470  
 Underwood, Robert C.....Elgin, Or  
 LD, ChE.....4307 11th Av NE—N 3475  
 Ungherini, Bruno.....Auburn  
 LD, LA.....4221 ½ 14th Av NE  
 Unis, John Waldemar.....Seattle  
 Grad.....7408 Woodlawn Av—Ken 2404  
 Upercott, Winfield Scott.....Seattle  
 LD, Bus.....3815 Brooklyn Av  
 Uphus, Evan.....Seattle  
 LD, For.....2903 Mayfair Av—QA 1964  
 Upton, Charles Millar.....Seattle  
 LD, LA.....RD No 3—Box 183  
 Upton, Earl Edward.....Black Diamond  
 UD, Bus.....4504 16th Av NE—Ken 647  
 Upton, Marietta.....Seattle  
 LD, LA.....4524 Univ Blvd—Ken 1534  
 Upton, Virgil Morgan.....Seattle  
 LD, Sci.....4532 18th Av NE—Ken 2327  
  
 Urbanek, Eugene .....Seattle  
 LD, EE.....Rt 3—Box 258  
 Urbina, Santole C.....Albug, P I  
 Sp, Law.....1017 E Blaine St  
 Urner, John Arnold.....Seattle  
 LD, Sci.....1020 E Denny Way—E 4382  
  
 Vanderberg, Mrs Rose.....Seattle  
 Unc, LA.....4462 Fremont Av  
 Vandercook, Jeannette Catherine.....Seattle  
 LD, LA.....4526 15th Av NE  
 Vandercook, M W.....Seattle  
 Unc, Law.....4526 15th Av NE  
 Vander Las, Richard A.....Seattle  
 LD, Bus.....4503 Univ Blvd—QA 8385  
 Vander Weyde, Richard.....Seattle  
 Unc, Bus.....5249 Univ Blvd  
 Van Devanter, Edward Lane.....Seattle  
 LD, Sci.....Lander Hall, Campus—N 60  
 Van Duzen, Bess Gail.....Tacoma  
 LD, LA.....5014 15th Av NE  
 Van Dyke, Hazel M.....Whitefish, Mont  
 LD, Bus.....5604 Univ Blvd—Ken 112  
 Van Eaton, Harold Douglas.....Olympia  
 LD, EE.....  
 Van Eaton, Lloyd Arthur.....Olympia  
 LD, Bus.....7th & Madison  
 Van Hoosen, Robert H.....Aberdeen  
 LD, Sci.....5029 19th Av  
 Vang, Victor.....Kellogg, Ida  
 LD, CE.....4546 12th Av NE  
 Van Gilder, John Frederic.....Centralia  
 LD, Bus.....4549 16th Av NE  
 Van Howe, Esther.....Richland  
 UD, Ed.....4238 12th Av NE  
 Van Koughnet, Alma.....Forest Grove, Or  
 Unc, FA.....Clark Hall, Campus—N 262  
 Van Nuys, Blanche L.....Seattle  
 LD, Bus.....Foy Sta—Box 279  
 Van Ripper, Ruth.....Seattle  
 LD, LA.....1314 E Marion St—E 1430  
 Van Sicklin, M Grace.....Weiser  
 UD, Bus.....2012 E 45th St—Ken 2645  
 Van Wickle, James Morgan.....Seattle  
 UD, For.....625 Belmont Av N—Cap 1848  
 Van Winkle, J Stanley.....Ronald  
 Grad.....Rt 2—Box 256  
 Vaughan, Lillian.....Seattle  
 LD, LA.....Franklin Av  
 Vaux, George Harold.....Seattle  
 Unc, Bus.....3727 Corliss Av—N 1844  
 Veldee, Harry.....Bremerton  
 LD, Bus.....Bremerton  
 Verd, Erma.....Seattle  
 LD, LA.....4504 18th Av NE—Ken 146  
 Verd, Ruth.....Arlington  
 LD, LA.....4737 6th Av NE—N 102  
 Vernon, Miriam Elizabeth.....Aberdeen  
 Unc, LA.....4547 19th Av NE—Ken 23  
 Verran, William Jr.....Wapato  
 LD, LA.....4538 14th Av NE—Ken 555  
 Veysey, Mary Isabel.....Montesano  
 LD, LA.....4703 18th Av NE—Ken 3826  
 Vick, Josephine K.....Seattle  
 Unc, Bus.....6246 6th Av NW  
 Vickers, Mildred.....Seattle  
 LD, FA.....3635 60th St SW—W 319W  
 Vickman, Margaret B.....Seattle  
 Unc, FA.....1206 N 47th St—N 8893  
 Vickner, Bertha A.....Seattle  
 Grad.....5521 12th Av NE  
 Viers, Dorothy.....Portland, Or  
 Unc, LA.....4548 18th Av NE—Ken 659  
 Villareal, Filemon.....Philippines  
 Unc, Bus.....4115 15th Av NE  
 Viloria, David.....Philippines  
 Unc, LA.....Box 704, Univ Sta

- Vincent, Katherine Marion.....Lewiston, Ida  
UD, Ed.....4618 Univ Blvd
- Vincent, Will Pierre.....Puyallup  
LD, Min.....4711 18th Av NE
- Vining, Genevieve Virginia.....Seattle  
LD, LA.....1419 8th Av W
- Vining, Marjory Claire.....Seattle  
LD, LA.....4718 Univ Blvd—Ken 1882
- Vining, Orrin James.....Seattle  
LD, Bus.....505 11th Av N—Cap 1019
- Vin Ericksen, Lyle Gordon.....Hulywel  
LD, LA.....Terry Hall, Campus—N 60
- von Kettler, Wanda.....Seattle  
UD, LA.....4325 15th Av NE—Ken 3452
- von Normann, Alfred George.....Seattle  
UD, EE.....010 20th Av—E 213
- von Pressertin, Agnes Dorothea.....Marblemount  
LD, Ed.....Clark Hall, Campus—N 262
- Voorhes, Sol Watson.....Yakima  
LD, CE.....5038 Univ Blvd—Ken 490
- Voyer, Gerald Joseph.....Anaconda, Mont  
LD, Sci.....4532 18th Av NE—Ken 2827
- Voyer, Margaret Ellen.....Anaconda, Mont  
LD, Sci.....1804 50th St
- Wage, Robert.....Silverdale  
Unc, Bus.....4217 2nd Av NW
- Wabeke, Hendrik Goswin.....Seattle  
Unc, Law.....2337 34th Av S—Bea 886
- Wade, Isham F.....Wenatchee  
Unc, Bus.....4530 14th Av NE—Ken 555
- Wade, Thomas Eldridge.....Missoula, Mont  
Unc, EE.....5212 20th Av NE—Ken 2740
- Wadleigh, Ethel Beatrice.....Seattle  
Unc, Bus.....902 N 85th St
- Waechter, Gerald.....Seattle  
LD, Bus.....2120 E 47th St—Ken 1176
- Wagner, Florence Minerva.....Sequim  
UD, LA.....4502 20th Av NE
- Wagner, Kath Marie.....Wenatchee  
LD, Bus.....4524 Univ Blvd—Ken 2496
- Wakefield, Luella I.....Ketchikan, Alaska  
Unc, FA.....2330 Boylston Av N—Cap 717
- Walcher, Raymore Bland.....Braman, Okla  
LD, Ed.....Everett
- Walden, Margaret.....Hamilton, Mont  
Unc, Ed.....4562 12th Av NE
- Waldo, Josephine Mary.....Seattle  
UD, LA.....419 18th Av N—Cap 2330
- Walker, Bessie Marie.....Seattle  
LD, Sci.....3822 Woodlawn Av—N 853
- Walker, Charles Hall.....Seattle  
UD, LA.....4532 18th Av NE—Ken 2827
- Walker, Dwight Morgan.....Vancouver, B C  
LD, Bus.....4316 9th Av NE
- Walker, Ernest Kenneth.....Eugene, Or  
Sp, CE.....4529 12th Av NE—Ken 769
- Walker, Frederick James.....Seattle  
LD, LA.....18th & Howell—E 8651
- Walker, Glen Hart.....Seattle  
UD, EE.....4722 12th Av NE—Ken 3033
- Walker, F D Lanier.....Bremerton  
LD, LA.....8th & Pike Sts—M 970
- Walker, James C.....New Westminster, B C  
LD, For.....4751 10th Av NE
- Walker, Myrell.....Seattle  
UD, EE.....308 Frank Blvd
- Walker, Nina Ruth.....Seattle  
LD, Bus.....4522 12th Av NE—Ken 3033
- Walker, Ona Blanche.....Seattle  
LD, FA.....4722 12th Av NE—Ken 3033
- Walker, Richard David.....Anaconda, Mont  
LD, CE.....4730 19th Av NE
- Walker, Roberta L.....Seattle  
LD, FA.....4110 11th Av NE
- Walker, Roger A.....Tacoma  
LD, EE.....4527 11th Av NE
- Walker, Ronald Pearson.....Seattle  
LD, ME.....1605 E 47th St—Ken 2481
- Wall, Millicent.....Portland, Or  
Unc, Bus.....4732 21st Av NE
- Wallace, Allen R.....Seattle  
LD, Bus.....5527 25th Av NE—Ken 1131
- Wallace, Anne Pauline.....Seattle  
LD, LA.....5527 25th Av NE—Ken 1131
- Wallace, Carl E.....Seattle  
UD, Sci.....4532 18th Av NE—Ken 4827
- Wallace, Douglas.....Seattle  
LD, Bus.....5015 Univ Blvd—Ken 3169
- Wallace, Ella Hope.....Winslow  
LD, Sci.....3783 Brooklyn Av—N 1308
- Wallace, Genelle.....Seattle  
Unc, Sci.....216 Caroline Court—Cap 4
- Wallace, Hiram Brainard.....Monroe  
Unc, Bus.....4252 6th Av NE
- Wallace, Norma W.....Seattle  
Unc, Sci.....2203 40th Av SW
- Waller, Donald G.....Seattle  
Unc, Bus.....4503 Univ Blvd—Ken 236
- Wallin, Beulah.....Seattle  
UD, Sci.....5609 16th Av NE—Ken 3771
- Wallin, Genevieve.....Seattle  
LD, LA.....2447 Federal Av—Cap 3042
- Walthew, Dorothy Eleanor.....Seattle  
UD, LA.....4724 Thackeray Pl—N 3394
- Walthew, John Forbes.....Seattle  
LD, Bus.....4734 Thackeray Pl—N 3394
- Walthew, Winifred Edna.....Seattle  
UD, LA.....4734 Thackeray Pl—N 3394
- Waltman, Glen.....Kellogg, Ida  
LD, ME.....4545 12th Av NE
- Waltz, Carlton Joseph.....Baker, Or  
Unc, Sci.....Lake Forrest Pk—Box 419
- Warburton, Stanton Jr.....Tacoma  
LD, Sci.....3950 1st Av NE—N 3141
- Ward, Alfred Hanson.....Seattle  
LD, Sci.....111 10th Av N—Cap 3995
- Ward, Thomas Edward.....Seattle  
Unc, Bus.....3214 3d Av W
- Ward, Frank Donlon.....  
3d, Law.....
- Ward, George Henry.....Hoquiam  
LD, EE.....
- Ward, Harold James.....Seattle  
Unc, Bus.....3214 3d Av W—QA 1142
- Ward, Merrill H.....Seattle  
Unc, LA.....111 10th Av N—Cap 3895
- Warford, Glenn.....Unalaska  
LD, Phar.....Terry Hall, Campus—N 60
- Wargo, Anna Mae.....Seattle  
LD, LA.....750 N Broadway
- Waring, Thomas Glenn.....Portland, Or  
LD, CE.....4419 Latona Av—N 4052
- Warne, Ada.....Seattle  
Unc, LA.....5513 29th Av NE
- Warner, Marylois.....Seattle  
LD, FA.....1061 E Mercer St—Cap 2677
- Warne, Alice May.....Seattle  
LD, Sci.....5513 29th NE
- Warren, Cecil Carl.....Seattle  
LD, EE.....716 N 42nd St—N 978
- Warnock, Mildred A.....Seattle  
LD, Bus.....1306 E Union St
- Warren, Earl F J.....Davenport  
LD, Bus.....4330 11th Av NE
- Warren, John Edwin.....Bremerton  
LD, Bus.....4504 16th Av NE—Ken 647
- Warren, Thomas Marlon.....Seattle  
Sp, FA.....228 Liberty Bldg—E11 3360
- Warshal, Adolph.....Seattle  
LD, Phar.....105 22nd Av—M 5348
- Weldon, B Wasem.....Clarkston  
LD, Sci.....4536 14th Av NE
- Wassberg, Clarence E.....Seattle  
Grad.....1206 E 42nd St—N 3007

Wheaton, Alma Jane.....	South Bend	Wheinsir, Gertrude Jacquetta .....	Seattle
LD, LA.....	4547 Univ Blvd—Ken 1004	LD, Sci.....	4144 10th Av NE—N 2363
Wheaton, Marion E.....	Bellingham	Weir, John M.....	Tacoma
LD, FA.....	4524 Univ Blvd	LD, WE.....	2511 16th Av S—Bea 8193
Wheeler, Anita Merry.....	Tacoma	Weissenborn, Howard.....	Seattle
UD, FA.....	4526 Univ Blvd—Ken 2496	LD, Bus.....	1837 N 51st St—N 877
Wheeler, Edward Brooks.....	Seattle	Welborn, Marguerite.....	Seattle
LD, Bus.....	120 Garfield St—QA 2905	Unc, Bus.....	300 W Prospect St
Wheller, Estelle.....	Seattle	Wells, Hazel.....	Seattle
LD, Bus.....	4548 Univ Blvd—Ken 20	LD, Bus.....	5103 Meridian Av—N 150
Watson, Anna Elizabeth.....	Seattle	Wells, Edmund Rexford.....	Tacoma
UD, LA.....	402 11th Av N	Unc, ChE.....	4735 21st Av NE
Watson, Dorothy Elizabeth.....	Aberdeen	Wells, Virginia Ribble.....	Portland, Or
LD, LA.....	2037 Franklin Av	UD, LA.....	4540 Univ Blvd—Ken 1002
Watson, Alvin Dwight.....	Seattle	Welsh, Burke John.....	South Bend
LD, EE.....	315 15th Av N—E 2940	LD, LA.....	1616 E 47th St—Ken 149
Watson, Harold.....	Seattle	Welsh, Gertrude Katharine.....	Aberdeen
LD, EE.....	330 18th Av N—E 5300	UD, LA.....	4202 8th Av NE
Watson, Jean Ferguson.....	Seattle	Welts, Richard.....	Mt Vernon
UD, LA.....	4540 Univ Blvd—Ken 1092	LD, Bus.....	4520 21st Av NE—Ken 2600
Watson, Ruth Elizabeth.....	Seattle	Welty, Consueli.....	Seattle
UD, Sci.....	4101 Brooklyn Av	UD, Lib.....	5028 10th Av NE
Watson, Virlian L.....	Seattle	Wendland, Edwin George.....	Mapton
UD, Sci.....	1416 E 41st St—N 2071	LD, FA.....	YMCA—M 5208
Watson, William Douglas.....	Charleston	Wenner, Harriet Ann.....	Okanogan
Sp, Sci.....	4546 15th Av NE—Ken 3560	LD, LA.....	4746 21st Av NE
Watson, William Harris.....	Seattle	Wentworth, Lois J.....	Seattle
UD, EE.....	520 13th Av N—Cap 380	UD, Educ.....	622 E 72nd St
Watt, Elsie.....	Seattle	Wentworth, Lovering Ray.....	Seattle
Unc, Bus.....	4311 9th Av NE	LD, ME.....	4230 Latona Av—N 119
Watt, James Graham.....	Seattle	Werby, Helena Johna.....	Seattle
LD, ChE.....	4311 9th Av NE	UD, Sci.....	216 3d Av N—QA 2767
Watt, Harold Barton.....	Yakima	Werner, Harriett Ann.....	Okanogan
LD, Bus.....	5011 10th Av NE	LD, LA.....	Lewis Hall, Campus—N 162
Watt, Mabel.....	Seattle	Vernier, Oscar B.....	Litchfield, Minn
UD, Sci.....	4311 9th Av NE	Unc, Bus.....	4738 Brooklyn Av—Ken 1916
Watts, Joseph Vern.....	McCammon, Ida	Werson, Davis Theodore.....	Mt Vernon
Sp, Ed.....	1629 13th Av—E 6790	Unc, EE.....	
Watts, Ruth Maude.....	Bellingham	West, Beth.....	Sumas
LD, Sci.....	5250 18th Av NE	LD, Ed.....	4633 21st Av NE
Way, Lois Edith.....	Seattle	West, Cecil Rowland.....	Seattle
LD, Sci.....	RFD 2—Box 96	LD, Sci.....	4310 Ferdinand St
Weago, Avery Dudley.....	Seattle	West, Constance Mary.....	Seattle
UD, Ed.....	4330 11th Av NE	LD, Sci.....	5500 32nd St S
Weago, Esther Ann.....	Seattle	West, Garnet Mary.....	Portland, Or
UD, Ed.....	4330 11th Av NE	Sp, LA.....	
Weago, Mary De Ella.....	Seattle	West, Mildred V.....	Seattle
LD, Sci.....	4330 11th Av NE	Unc, Sci.....	1826 E 62nd St—Ken 960
Weaver, Grace Elizabeth.....	Seattle	Westbrook, John Lewis.....	Anacortes
UD, Sci.....	5034 18th Av NE—Ken 2030	Unc, EE.....	Lander Hall, Campus—N 60
Webb, Bernice Lovell.....	Lewiston, Ida	Westlund, Elmer Bernard.....	Bellingham
LD, FA.....	4530 Univ Blvd—Ken 983	LD, Bus.....	5535 31st Av NE—Ken 190
Webb, Admiral Dewey.....	Wenatchee	Weston, Alvah Towle.....	Portland, Or
UD, LA.....	4704 18th Av NE—Ken 541	UD, LA.....	4532 18th Av NE—Ken 2827
Weber, Hawley.....	Seattle	Weston, Merle Millicent.....	Sacramento, Cal
LD, Bus.....		UD, Sci.....	1323 Terry Av—M 5628
Webster, Aletta Ruth.....	Vancouver, Wash	Weston, Nellie C.....	Seattle
LD, LA.....	4508 16th Av NE	UD, Sci.....	4718 Univ Blvd—Ken 1882
Webster, John C.....	Grad	Weston, John Roland.....	Logtown, Miss
Webster, John C.....	Seattle	UD, Por.....	1610 E 47th St
Wehara, Hisao Ruskin.....	Seattle	Westphalen, William.....	Seattle
Unc, Sci.....	102 12th Av So	LD, Bus.....	4723 12th Av NE
Wehmhoff, Lester Henry.....	Tacoma	Wetherby, Harold James.....	Tacoma
UD, Sci.....	4215 Brooklyn Av	LD, LA.....	4532 19th Av NE—Ken 2640
Weiden, Hazel Helen.....	Unc, Bus.....	Wexelstein, Leo.....	Kusasa
Unc, Bus.....		UD, EE.....	3804 10th Av NE—N 1638
Weigel, Charles Maurice.....	Yakima	Weythman, Chester Charles.....	Monitor
LD, Bus.....	4503 Univ Blvd—Ken 236	UD, LA.....	4522 18th Av NE—Ken 3631
Welkel, Elizabeth C.....	Yakima	Weythman, Ruth.....	Monitor
LD, LA.....	4510 Univ Blvd—Ken 3216	UD, Sci.....	Clark Hall, Campus—N 262
Welland, Marjorie Lorraine.....	Onkville	Whalen, Carl D.....	Seattle
LD, FA.....	5214 Univ Blvd—Ken 481	LD, Bus.....	5037 15th Av NE
Welmar, Helen Marie.....	Tilton	Whaley, Frances Carlisle.....	Chelan
LD, FA.....	4531 18th Av NE—Ken 253	LD, Bus.....	4530 Univ Blvd—Ken 933
Weinstein, Harry Harris.....	Portland, Or	Wharton, Florence.....	Yakima
Unc, Bus.....	Terry Hall, Campus—N 60	UD, Educ.....	4547 Univ Blvd
Weinsir, Adolph.....	Seattle	Wharton, Jerome.....	Seattle
LD, Sci.....	4144 10th Av NE—N 2360	LD, Ce.....	319 3d Av

- Williams, Margaret Frances.....Bremerton  
LD, LA.....Bremerton  
Williams, Ethel Marjorie.....Wilbur  
LD, Ed.....Clark Hall, Campus—N 262  
Williams, Owen.....Seattle  
LD, Bus.....1225 Sylvester Pl—Ken 3122  
Williams, Robert C.....Detroit, Mich  
Unc, For.....Lander Hall, Campus—N 60  
Williams, Ross Perry.....Seattle  
UD, Bus.....4520 21st Av NE—Ken 2600  
Wheeler, Forrest.....Satsop  
LD, Sci.....600 Howard St N  
Wheeler, Gladys Fidele.....Seattle  
UD, Ed.....3815 Woodlawn Av—N 1752  
Wheeler, Gladys Harding.....Seattle  
LD, FA.....4718 2nd Av NE—N 3071  
Wheeler, James A.....Seattle  
LD, Bus.....2120 E 47th St—QA 800  
Wheeler, Lloyd Karl.....Bellingham  
LD, ChE.....1729 Boylston Av  
Wheeler, Verna Mae.....Gig Harbor  
UD, Ed.....4508 16th Av NE—Ken 2788  
Wheelon, Burton Jones.....Razo  
UD, Bus.....4016 21st Av NE—Ken 490  
Whipple, Charles.....Boise, Ida  
Unc, CE.....1551 10th Av N  
Whipps, Carol Louise.....Kallispell, Mont  
UD, FA.....4732 21st Av NE—Ken 119  
Whitacre, Paul.....Ferdale  
LD, Bus.....4518 16th Av NE—Ken 2956  
Whitcomb, Charlotte.....Bloomington, Wis  
UD, Educ.....4751 Univ Blvd  
White, Albert Bartlet.....Seattle  
Sp, Min.....1214 2nd Av W  
White, Charles Edward.....Halfway, Or  
Unc, Bus.....4530 14th Av NE—Ken 555  
White, Elmer.....Seattle  
LD, CE.....6515 23d Av NW—Bal 1041  
White, Esther May.....Seattle  
LD, Bus.....1905 Naomi Place—Ken 1970  
White, Eugenia D.....Seattle  
UD, LA.....1407 9th Av W  
White, Frances.....Yakima  
LD, LA.....4738 15th Av NE—Ken 2535  
White, Frank Isaman.....Seattle  
UD, Bus.....4532 18th Av NE—Ken 2827  
White, Gall Clinton.....Seattle  
LD, Bus.....5038 Univ Blvd—Ken 496  
White, Janice McCormick.....Tacoma  
LD, Bus.....4738 14th Av NE—Ken 1277  
White, Leslie.....Seattle  
LD, Sci.....5508 Latona Av—Ken 357  
White, Margaret Lois.....Yakima  
LD, FA.....4548 Univ Blvd—Ken 26  
White, Marie.....Seattle  
LD, LA.....4304 2nd Av NE  
White, Marion Irene.....Laclede, Ida  
LD, LA.....4714 Univ Blvd—Ken 2253  
White, Myrtle Pauline.....Seattle  
Unc, Sci.....6515 23d Av NW—Bal 1041  
White, Philip L.....Oakville  
LD, LA.....4549 15th Av NE—Ken 1297  
White, Ross I.....Seattle  
LD, Bus.....5235 Univ Blvd—Ken 618  
White, Margaret Virginia.....Bellingham  
Unc, FA.....1408 E 42nd St—N 48  
Whitehead, Vir.....Seattle  
UD, LA.....2107 Ravenna Blvd—Ken 3199  
Whiting, Edward Parsons.....Seattle  
UD, EE.....1115 8th Av W—QA 1029  
Whitelaw, Hugh.....Seattle  
LD, Bus.....5235 Univ Blvd  
Whitlock, Maryhelen.....Los Angeles, Cal  
LD, Bus.....4710 Univ Blvd—Ken 1857  
Whitman, Gintera.....Bellingham  
UD, Ed.....4338 11th Av NE—Ken 2501  
Whitney, Albert Judson.....Yakima  
LD, LA.....Terry Hall, Campus—N 60  
Whitney, Charles Brock.....Victoria, B C  
LD, ChE.....4551 16th Av NE—Ken 8273  
Whitney, Frank Fleming.....Yakima  
UD, Sci.....Terry Hall, Campus—N 60  
Whitton, Dorothy.....Tacoma  
Unc, LA.....4039 12th Av NE—N 3379  
Wichman, Arthur Paul.....Denver, Col  
Grad.....5243 19th Av NE—Ken 3460  
Wick, Carl I.....Everett  
Min.....1817 Boren Av  
Wick, Sanford Adolph.....Arlington  
LD, Bus.....4616 21st Av NE—Ken 490  
Wicker, Agnes.....Sedro-Woolley  
Unc, FA.....5037 16th Av NE  
Wieden, Hazel Helen.....Portland, Or  
LD, Bus.....YWCA  
Wiegenstein, Frank Joseph.....Butte, Mont  
LD, ChE.....713 E Union St—E 9240  
Weigert, Roy Edward.....Seattle  
Sp, Bus.....232 Nob Hill—QA 3066  
Wiel, Bodil.....Seattle  
UD, Sci.....3337 37th Av S  
Wienand, Carl Marcus.....Seattle  
UD, LA.....4250 9th Av NE—N 4095  
Wiese, Alma D.....Seattle  
Sp, Bus.....N.....1630 Boylston Av  
Wiggins, Charles Kauffman.....Portland, Or  
UD, Bus.....4750 21st Av NE—Ken 1409  
Wiggins, Elizabeth Bryson.....Portland, Or  
LD, Bus.....Washington Hotel  
Wilbur, Edward Perry.....Seattle  
UD, LA.....733 Harvard Av N—Cap 1659  
Wilbur, Frances Lavenia.....Portland, Or  
LD, LA.....YWCA  
Wilcox, Howard Glen.....Seattle  
UD, Min.....4550 18th Av NE—Ken 8072  
Wilcox, James G.....Spokane  
Unc, Bus.....4908 9th Av NE—N 2715  
Wilcox, S Glen.....Seattle  
UD, Min.....4550 18th Av NE  
Wilcox, Milo Fay.....Montesano  
Unc, CE.....1806 N 45th St—N 2018  
Wilde, Raymond Lloyd.....Ritzville  
LD, EE.....4706 14th Av NE  
Wilder, James Arthur.....Blaine  
LD, ME.....46 Etruria St W—QA 1293  
Wiles, Elwood Humphrey.....Portland, Or  
LD, Bus.....4506 Univ Blvd—Ken 291  
Wiley, Alexander Charles.....Kallispell, Mont  
LD, LA.....4318 14th Av NE  
Wiley, James Martin.....Waterville  
LD, Bus.....2120 E 47th St—Ken 1176  
Wiley, Lois.....Seattle  
LD, FA.....5414 Latona Av—Ken 2244  
Wilkes, Maxine Elouise.....Seattle  
LD, LA.....1510 Melrose Av  
Wilkes, Robin Jean.....Seattle  
UD, Phar.....1510 Melrose Av  
Wilkinson, Jesse.....Sedro-Woolley  
LD, Bus.....5214 Univ Blvd—Ken 844  
Williams, Aletta R.....Elmhurst, Pa  
LD, Educ.....4123 11th Av NE  
William, Carol.....Seattle  
UD, LA.....8033 49th St—N 1797  
Williams, David James.....Tyler  
Sp, LA.....4259 11th Av NE  
Williams, Desmond Helen.....Seattle  
LD, LA.....1717 E 56th St—Ken 591  
Williams, V Edith.....Blaine  
LD, LA.....4043 8th Av NE—N 2500  
Williams, Willard Gayle.....Seattle  
LD, LA.....933 13th Av N—Cap 3535  
Williams, George O.....Seattle  
UD, Bus.....Seattle  
Williams, Harold Lorraine.....Seattle  
LD, Bus.....5122 Holly St—Rai 137R  
Williams, Lowell E.....Seattle  
UD, Sci.....4221 9th Av NE

Watkins, Inez ..... Hoquiam  
 LD, Bus. .... 4523 18th Av NE—Ken 1844  
 Watkins, Ruth Emily ..... Hoquiam  
 LD, Sci. .... 4523 18th Av NE—Ken 1844  
 Watney, Cornelius O. .... Seattle  
 LD, Bus. .... 5217 Russell Av  
 Watney, Helen O. .... Seattle  
 LD, Sci. .... 5217 Russell Av  
 Watrous, Genie Ida. .... Bellingham  
 UD, Sci. .... 4543 18th Av  
 Williams, Scott ..... Leavenworth  
 LD, FA. .... 1200½ Howell St  
 Williams, Teel ..... Seattle  
 LD, Bus. .... 4520 21st Av NE—Ken 2600  
 Williams, Thomas Alfred ..... Seattle  
 LD, LA. .... 310 17th Av S—Bea 782  
 Williams, William Owen ..... Seattle  
 LD, Bus. .... 1225 Sylvester Pl—Ken 3122  
 Williamson, Estes J. .... Stella  
 Unc, Bus. .... 4509 12th Av NE  
 Williamson, Marguerite ..... Seattle  
 LD, Sci. .... 1926 9th Av—E11 1263R  
 Williamson, Mary Agnes ..... Seattle  
 UD, Sci. .... 4353 W Hudson St  
 Williamson, Reba. .... Greybull, Wyo  
 Unc, LA. .... 5240 Univ Blvd—Ken 1920  
 Wilcox, Lula Pearl ..... Bellevue  
 Unc, FA. .... 3825 Eastern Av  
 Wilson, Ada L. .... Seattle  
 LD, Educ. .... 834 Belmont Av N  
 Wilson, Alice ..... Seattle  
 LD, Bus. .... 14th & E Republican—Cap 1091  
 Wilson, Ben William ..... Portland, Or  
 LD, Bus. .... Campus Barracks  
 Wilson, Carl K. .... Seattle  
 UD, LA. .... 4532 19th Av NE—Ken 2646  
 Wilson, Florence B. .... Seattle  
 .... 6840 15th Av NE  
 Wilson, George Dewey ..... Aberdeen  
 LD, For. .... 4530 14th Av NE—Ken 555  
 Wilson, Donald Crandall ..... Seattle  
 UD, LA. .... 5245 Brooklyn Av—Ken 3408  
 Wilson, Doris Glasgow ..... Seattle  
 UD, LA. .... 2012 E 45th St—Ken 2645  
 Wilson, Doris L. .... Tacoma  
 LD, Bus. .... 4540 Univ Blvd—Ken 1092  
 Wilson, Edwin Durno ..... Olympia  
 UD, ChE. .... 4506 Univ Blvd—Ken 291  
 Wilson, Glen Evans ..... Seattle  
 1st, Law. .... 4550 18th Av NE—Ken 3072  
 Wilson, Grace ..... Seattle  
 LD, Bus. .... 5015 18th Av NE—Ken 2051  
 Wilson, Frances Imogen ..... Lewiston, Ida  
 UD, LA. .... 4533 15th Av NE—Ken 2320  
 Wilson, Irma Wright ..... Seattle  
 LD, Ed. .... Lake Forest Pk—Bx 429A  
 Wilson, Gilbert John ..... Seattle  
 LD, Bus. .... 2120 N 44th St—N 2971  
 Wilson, John M. .... Olympia  
 2nd, Law. .... 1805 E 47th St—Ken 2431  
 Wilson, Homer Lee Jr. .... Grants Pass, Or  
 LD, Bus. .... 5082 21st Av NE—Ken 3630  
 Wilson, Lucille Harriet ..... Hoquiam  
 Unc, LA. .... 4214 11th Av NE  
 Wilson, Marjorie Rose ..... Seattle  
 LD, Ed. .... 2044½ Franklin Av  
 Wilson, Nell Foster ..... Clarkston  
 LD, LA. .... 3742 Brooklyn Av  
 Wilson, Paul Ebenezzer ..... Spokane  
 LD, Sci. .... 5053 18th Av NE  
 Wilson, Ruth Elizabeth ..... Ellensburg  
 LD, Sci. .... 4754 16th Av NE—Ken 2988  
 Wilson, Thelma ..... Seattle  
 LD, LA. .... 5015 18th Av NE  
 Wilson, James Victor ..... Tacoma  
 LD, EE. .... 4527 11th Av NE  
 Wilson, Virginia ..... Seattle  
 LD, LA. .... 1620 13th Av—E 2313

Wilson, Weldon Mack ..... Seattle  
 UD, LA. .... 3742 Brooklyn Av  
 Wilson, William Gray ..... Spokane  
 LD, Sci. .... 5253 18th Av NE  
 Wilt, Marguerite Sinclair ..... Seattle  
 UD, LA. .... 4408 Cascade View N—Ken 3766  
 Wiman, Fred S. .... Portage  
 LD, Bus. .... 4532 19th Av NE—Ken 2646  
 Winders, Dorothy Monnette ..... Columbus, O  
 Unc, FA. .... 1308 E 62nd St—Ken 3495  
 Windsor, John Clark ..... Seattle  
 LD, Sci. .... 1824 N 46th St—N 1235  
 Wingard, Sam ..... Reardon  
 LD, Bus. .... 1605 E 47th St  
 Wingate, John Wendell ..... Seattle  
 LD, Sci. .... 2217 11th Av N—Cap 2428  
 Winkel, Frederick William ..... Ellensburg  
 Unc, Sci. .... 4540 15th Av NE—Ken 475  
 Winn, Burdett Alaska ..... Juneau, Alaska  
 LD, Min. .... 4522 18th Av NE—Ken 3681  
 Winquist, Ruth Elizabeth ..... Selah  
 LD, LA. .... 4200 6th Av NE—N 780  
 Winalow, Hendricks ..... Spokane  
 Unc, Sci. .... 2120 E 47th St—Ken 1176  
 Winter, Alfred Frank ..... Portland, Or  
 LD, LA. ....  
 Winter, Charlotte Lucille ..... Los Angeles, Cal  
 UD, Bus. .... 4505 18th Av NE—Ken 146  
 Winter, Katharine ..... Everett  
 UD, LA. .... 4504 18th Av NE—Ken 146  
 Winter, Bernadine ..... S D  
 LD, FA. .... 822 E 68th St  
 Wintermute, Gladys Marie ..... Seattle  
 LD, Sci. .... 6320 16th Av NE  
 Winowood, Ralph F. .... Butte  
 Unc, Bus. ....  
 Wise, Dorothy L. .... Hoquiam  
 UD, LA. .... 2012 E 45th St—Ken 2645  
 Wise, Robert S. .... Cedar Falls, Iowa  
 LD, LA. .... 5269 Univ Blvd—Ken 2607  
 Wise, Violet Maxine ..... Tacoma  
 LD, Sci. .... 1808 E 55th St—Ken 3116  
 Wilsen, Byron ..... Seattle  
 LD, Bus. .... 1222 Summit Av  
 Witham, Harry Willard ..... Everett  
 LD, Sci. .... YMCA  
 Witt, B Lucille ..... Seattle  
 Unc, Sci. .... 1823 Shelby St  
 Woelber, Harry J. .... Seattle  
 UD, Min. .... Terry Hall, Campus—N 60  
 Wohlrabe, Raymond ..... Seattle  
 LD, Sci. .... 0815 7th Av—Syd 915  
 Wolfe, Frances June ..... Seattle  
 LD, Bus. .... 4059 8th Av NE  
 Wolff, Katherine C. .... Yakima  
 UD, LA. .... 5242 20th Av NE—Ken 3890  
 Wolthausen, Eldon Le Roy ..... Yakima  
 UD, Sci. .... 5015 Univ Blvd—Ken 3169  
 Wong, Su-tung Frank ..... Seattle  
 Unc, Bus. .... 604 Weller St  
 Wong, Hsiang ..... China  
 UD, Ed. .... 4510 12th Av NE—Ken 724  
 Woo, May Geraldine ..... Seattle  
 UD, LA. .... 303 8th Av S  
 Wood, Carl Edwin ..... Seattle  
 LD, EE. .... 1820 N 52nd St—N 3760  
 Wood, Edith Elizabeth ..... Helena, Mont  
 UD, Sci. .... 2012 E 45th St—Ken 2645  
 Wood, Esther Mary ..... Seattle  
 LD, Bus. .... 518 E 72nd St—Ken 1602  
 Wood, Everett Power ..... Helena, Mont  
 LD, Bus. .... 4530 12th Av NE—Ken 1288  
 Wood, Florence ..... Seattle  
 LD, FA. .... 4584 Univ Blvd—Ken 20  
 Wood, James Harold ..... Seattle  
 UD, Bus. .... 1602 E Garfield St—E 3833



- Wood, Leighton Howard.....Seattle  
LD, Bus.....4520 21st Av NE—Ken 2600
- Wood, Lillian.....Seattle  
Grad.....5628 14th Av NE
- Wood, Marian.....Bellingham  
LD, LA.....4504 18th Av NE—Ken 140
- Wood, Oak.....Hood River, Or  
LD, Bus.....Lander Hall, Campus—N 60
- Wood, Wallingford Paul.....Seattle  
LD, Bus.....4019 15th Av NE—N 533
- Wood, William Russell.....Seattle  
UD, For.....1205 21st Av N—E 1001
- Woodall, Otis.....Ephrata  
LD, Engr.....4072 9th Av NE
- Woodard, Wave.....Loomis  
LD, LA.....720 Bellevue Av N
- Woodend, Mildren Alberta.....Starbuck  
Unc, Sci.....5256 16th Av NE—Ken 642
- Woods, Rachel Angeline.....Snohomish  
LD, Sci.....812 E 42nd St
- Woodward, Caroline E.....Seattle  
LD, LA.....724 17th Av No
- Woodward, Harriette.....Seattle  
LD, Bus.....4738 16th Av NE—Ken 734
- Woodworth, Claude Jones.....Orcas Island  
LD, LA.....
- Woodworth, Claude J.....W Sound  
LA.....2410 N 42nd St
- Woodworth, Earl Grantly.....Nooksack  
Unc, Bus.....6027 4th Av NE—Ken 3096
- Woody, Helen.....Seattle  
LD, Ed.....2111 E 52nd St
- Woody, Lois.....Seattle  
LD, Ed.....2111 E 52nd St
- Woody, Neil Edwin.....Winlock  
LD, Bus.....5011 19th Av NE—Ken 2875
- Woolridge, Edgar Riley.....Seattle  
LD, ME.....4518 10th Av NE
- Woolridge, Ruth Constance.....Seattle  
Unc, Sci.....4518 10th Av NE
- Woolley, Myles Lower.....Seattle  
LD, EE.....408 E 50th St—Ken 1010
- Woolpert, Ruth.....Hood River, Or  
UD, LA.....Clark Hall, Campus—N 262
- Woolsey, Eva Fay.....Seattle  
UD, Lib.....512 N 44th St
- Woolverton, Marcellene.....Spokane  
LD, LA.....4540 Univ Blvd  
..44... 12-17-19... 152... RO... ..
- Worboys, Helen Monfort.....Seattle  
UD, LA.....2458 1st Av W—QA 1163
- Workman, Esther Belle.....Portland, Or  
LD, LA.....4754 16th Av NE—Ken 2088
- Worsham, Aurelia.....Seattle  
LD, LA.....5022 21st Av NE—Ken 485
- Worthen, Clifton Boyd.....Lynden  
UD, Ed.....Terry Hall, Campus—N 60
- Worthington, Harold Legg.....Quilcene  
LD, EE.....4515 18th Av NE—Ken 2644
- Worthington, Robert Edgar.....Quilcene  
LD, ME.....4504 16th Av NE—Ken 647
- Worthley, Charles Bond.....Tacoma  
LD, EE.....4142 12th Av NE—N 560
- Wotherspoon, John.....Seattle  
LD, Sci.....5038 Univ Blvd—Ken 490
- Wotton, Gladys Emeline.....Tacoma  
Unc, LA.....4547 Univ Blvd—Ken 1004
- Wrage, Blanche.....Arlington  
LD, Sci.....4718 20th Av NE—Ken 2815
- Wrentmore, Gwyneth McFarland.....Phillippines  
LD, LA.....4504 18th Av NE
- Wrigglesworth, Luther A.....Chehalis  
LD, Bus.....4016 20th Av NE—Ken 490
- Wright, Allen Carpenter.....Rickland, Or  
LD, EE.....4528 20th Av NE—Ken 1301
- Wright, Bruce Edward.....Seattle  
LD, Bus.....812 Belmont Av—Cap 1630
- Wright, Ernest Roy.....Washington, Kan  
LD, LA.....4016 21st Av NE—Ken 490
- Wright, Jack Willis.....Tacoma  
LD, Jour.....Terry Hall, Campus—N 60
- Wright, Guy Samuel.....Victoria, B C  
Unc, EE.....4552 12th Av NE—Ken 1913
- Wright, Howard H.....Everett  
LD, Bus.....4524 10th Av NE
- Wright, Keith R.....Hillyard  
Unc, Engr.....4746 12th Av NE
- Wright, Leota.....Camas  
LD, Ed.....4547 Univ Blvd
- Wright, Robert B.....Seattle  
LD, EE.....2019 6th Av—E1 1009
- Wright, Ernest Roy.....Seattle  
LD, LA.....
- Wright, Robert B.....Seattle  
LD, Bus.....1104 15th Av—E 4411
- Wright, A Russell.....Seattle  
LD, Bus.....1104 15th Av—E 4411
- Wright, Wilma.....Tacoma  
LD, Bus.....4547 10th Av NE—Ken 23
- Wardeman, Walter Charles.....Bremerton  
LD, CE.....
- Wurzbacher, Marian Esther.....Seattle  
LD, FA.....1027 Bellevue Court—Cap 2878
- Wyers, Teunis James.....White Salmon  
LD, Bus.....4527 12th Av NE—Ken 2010
- Wyman, Clara Louise.....Elgin  
Unc, LA.....4123 11th Av NE
- Wyman, Frances.....Baintree, Alta  
LD, LA.....3125 37th Av S—Ral 082W
- Wyman, Thornton Dix.....Boise, Ida  
LD, LA.....5235 Univ Blvd—Ken 618
- Wymont, Hawley.....Great Falls, Mont  
Sp, Law.....5213 18th Av NE
- Yadro, John.....Ronald  
LD, ChE.....4537 12th Av NE
- Yancer, William Adrian.....Prineville, Or  
Unc, Bus.....1616 E 47th Av—Ken 149
- Yates, Dewey.....Clarkston  
Unc, Bus.....4510 12th Av NE—Ken 724
- Yates, James.....Clarkston  
UD, Bus.....4528 Brooklyn Av—Ken 27
- Yeager, Fred Albert.....Spokane  
LD, ME.....4522 16th Av NE—Ken 1690
- Yearian, Mary M.....Lemhi, Ida  
LD, LA.....4238 12th Av NE
- Yerkes, Margaret.....Seattle  
LD, FA.....4535 18th Av NE—Ken 1429
- Yoshimura, Tamokichi.....Japan  
LD, Bus.....4110 12th Av NE—N 3997
- Yocell, Miriam.....Portland, Or  
UD, LA.....4535 18th Av NE—Ken 1428
- Young, Alvia Gordon.....Vancouver, Wash  
LD, Sci.....4505 18th Av NE—Ken 333
- Young, Arthur Ballantyne.....Seattle  
Unc, LA.....4731 21st Av NE—Ken 1385
- Young, Dorothy.....Seattle  
Unc, Sci.....4731 21st Av NE—Ken 1385
- Young, Fred Sanborn.....Seattle  
Sp, EE.....6038 34th Av NE—Ken 2076
- Young, Karl E.....Seattle  
Unc, FA.....4019 4th Av NE—N 1138
- Young, Fay Laverne.....Tacoma  
UD, FA.....2012 E 45th St—Ken 2645
- Young, Lois Evelyn.....Aberdeen  
LD, LA.....4917 Woodlawn
- Young, Ruth Evelyn.....Seattle  
UD, LA.....2212 Washington
- Young, Wesley George.....Seattle  
Grad.....4012 12th Av NE
- Youngquist, Marvin.....Goldendale  
LD, EE.....4616 21st Av NE

Youngquist, Ruben Clifford.....Goldendale  
LD, EE.....4016 21st Av NE  
Yuge, Shiehilo .....Japan  
Grad.....4110 12th Av NE—N 3707

Zaar, Clarence William.....Seattle  
LD, LA.....Lander Hall, Campus—N 60  
Zabella, Eleuterio C.....Philippines  
Unc, Sci.....1404 E 41st St  
Zamherlin, Carl .....Olympia  
LD, Bus.....1616 D 47th St—Ken 149  
Zee, Chung .....China  
Unc, Bus.....4528 Brooklyn Av—Ken 27  
Zehring, Raymond W.....Seattle  
LD, EE .....5812 15th Av NE—Ken 3407  
Zelgel, Henry H.....Seattle  
LD, Min.....715 6th Av  
Zels, Duncan .....Seattle  
Unc, Bus.....4610 Woodland Pk Av—N 3826  
Zelaski, J Zef.....Poland  
3d, Law.....3831 11th Av NE—N 3638  
Zener, Carlos Ralph.....White Salmon  
LD, Bus.....4522 18th Av NE—Ken 3681

Zener, Francis Bertram.....White Salmon  
LD, Sci.....5038 Univ Blvd—Ken 496  
Zickrick, Lyall Westley.....Wahkon, Minn  
LD, Min.....603 Seaboard Bldg—M 7677  
Zell, Frederick Leonard.....Pt Townsend  
LD, CE.....Lander Hall, Campus—N 60  
Zimmerman, Chloe Anice.....Sapulpa, Okla  
UD, LA.....4723 18th Av NE—Ken 2766  
Zimmerman, Mary L.....Seattle  
LD, LA.....4710 Thackeray Place  
Zimmerman, Orville R.....Gresham, Or  
LD, Bus.....4307 11th Av NE—N 3475  
Zinn, Zola.....Seattle  
Unc, Sci.....  
Zioncheck, Marion Anthony.....Seattle  
Unc, Bus.....114 Eastlake Av—E11 3388W  
Zobrist, Herbert Edwin.....Acme  
LD, ChE.....1117 Boylston Av N—Cap 1704  
Zoberbier, Emma K.....Seattle  
Sp, FA.....320 Malden Av  
Zwang, Harold James.....Republic  
LD, Bus.....4222 Brooklyn Av—N 233  
Zwickey, Everett Edward.....Kaslo, B C  
UD, ME.....4230 6th Av NE

## SUMMER QUARTER STUDENTS—1919

Abel, Donald George.....Montesano 3rd Law.....4524 Brooklyn Av	Anderson, May Maria.....Seattle Unc, Sci.....5407 21st Av NE
Abel, Robert Bryan.....Montesano Unc, Law.....5032 21st Av NE—Ken 3003	Anderson, Olga.....Maltby Unc, Ed.....3044 W 65th St—Bal 853
Abelset, Marcus.....Seattle 3rd Law.....4227 1st Av NE—North 2085	Anderson, Otto Duncan.....Edmonds 3rd Law.....
Abernathy, Catherine Brydne Gibson..Seattle LD, LA.....804 Summit Av—East 1515	Anderson, Pearl Adella.....Mabana UD, LA.....2310 Howard Av N—Cap 3304
Absher, Albert.....Portland, Or Unc, Sci.....4722 15th Av NE—Ken 284	Anderson, August Reinhold.....Seattle LD, Sci.....406 11th Av N—Cap 1643
Absher, Carrie Hunt.....Portland, Or Unc, Ed.....4722 15th Av NE—Ken 284	Andrews, Minnie May.....North Girard, Penn Grad.....4508 16th Av NE
Adelson, Abraham Mitchell.....Seattle Unc, EE.....1600 Main St	Angove, Clarence Vieden.....Seattle UD, EE.....1318 Harrison St—Cap 2249
Aellen, Elissa Berthe.....Seattle Grad.....4508 16th Av NE—Ken 2768	Angst, Laura.....Chehalis Grad.....4703 10th Av NE—Ken 2454
Aerni, Lydia F.....Oregon City, Or UD, Ed.....5007 19th Av NE	Armstrong, Alta.....Portland, Or Grad.....Clark Hall, Campus—N 262
Airth, Annie Luella.....Bellingham Unc, Bus.....5235 19th Av NE—Ken 3682	Armstrong, Ruth Ann.....Seattle UD, LA.....4518 19th Av NE—Ken 2564
Albaugh, Mary Edna.....Salt Lake City, Utah Grad.....4305 15th Av NE	Arnold, Ruth Louise.....Naches LD, FA.....5014 15th Av NE—Ken 1714
Albee, Archie.....Seattle LD, LA.....24W 57th St	Asplund, Vera.....Bellingham Unc, Ed.....4714 17th Av NE—Ken 2263
Albers, Alvina Margaret.....Northfield, Minn Grad.....5020 15th Av NE	Austin, George Ray.....Seattle LD, Ed.....3648 Burke Av—N 1408
Albertson, Herma.....Blackfoot, Idaho LD, LA.....4547 19th Av NE—Ken 23	Bach, Alwina.....Portland, Or Sp, LA.....1407 E 45th—Ken 1597
Alexander, Florence Margaret.....Chehalis LD, Sci.....4134 12th Av NE—N 335	Bach, Roy Odell.....Seattle UD, EE.....4118 7th Av S
Allen, Beatrice.....Seattle LD, Sci.....7433 48th Av So—Bal 583 M	Bachelor, Robert Willard.....Oakville LD, Bus.....4724 9th Av NE—Ken 2019
Allen, Charles Edward.....Seattle LD, EE.....4522 18th Av NE—Ken 3681	Bachmann, Amelia Helen.....Seattle Grad.....924 23rd Av—E 5182
Allen, Louise Barrett.....Seattle Sp, Sci.....4615 2nd Av NE—Ken 8310	Balley, Caroline E.....Seattle Grad.....1914 E Marion St—E 5599
Allen, Mabel Derry.....Vancouver, B C UD, Sci.....4311 Brooklyn Av	Bailey, William Lacks.....Seattle UD, LA.....4541 14th Av NE—Ken 1558
Allen, Mabelle.....Pendleton, Or UD, LA.....4732 21st Av NE—Ken 28	Bain, Nellie.....Vancouver, B C Sp, Ed.....Clark Hall—N 262
Allen, Mildred Alice.....Seattle UD, Ed.....1626 13th Av N—Cap 1009	Baker, Adolphus Irvin.....Tacoma Unc, Phar.....4532 18th NE
Allibone, Pearl Hannah.....Seattle Sp, Phar.....1909 Harvard Pl—Cap 3639	Baker, Alfred Henry.....Libby, Mont Sp, ME.....
Allper, Morris.....Seattle LD, ME.....2011 Washington St	Baker, Alice Harriett.....Seattle Grad.....5029 12th Av NE—Ken 313
Alvord, Mary Hamilton.....Chehalis Unc, Law.....Clark Hall, Campus—N262	Balais, Daniel.....Lucban, P I Sp, Sci.....YMCA, 4th & Madison—M 5208
Anderson, Edward Garrett.....Ellensburg UD, Ed.....	Balser, Mary A.....Seattle Sp, Sci.....3253 11th Av W—QA 1747
Anderson, Frances B.....Seattle LD, Ed.....3409 25th So	Bankhead, Bessie Walker.....Seattle Grad.....4518 20th Av NE—Ken 157
Andersen, Ostella W.....Seattle LD, Ed.....8337 10th Av NW—Bal 2250	Bar, William L.....Seattle 2nd Law.....1515 E Madison St—E 5901
Anderson, Ada Charlotte.....Seattle Grad.....2448 Day St—Bal 2840	Barber, David A.....Kent Grad.....3912 14th Av S
Anderson, Cella Albertine.....Duluth, Minn Sp, Ed.....4242 6th Av NE	Barber, Susannah.....St John Unc, Sci.....Lewis Hall Campus—N 162
Anderson, Doris Evelyn.....Everett Unc, Sci.....4535 18th Av NE—Ken 1240	Bardon, Norma.....Seattle UD, LA.....4254 7th Av NE—N 3795
Anderson Evelyn Martha.....Seattle LD, Sci.....1724 W 64th St—Bal 3931	Barker, Carl Vincent.....Tacoma Grad.....4115 15th Av NE
Anderson, Hilma Emelle.....Colton, Or UD, LA.....4540 17th Av NE—Ken 3216	Barker, Frank C.....Spokane Sp, Ed.....
Anderson, Mrs. Isabelle Joyner.....Seattle Grad.....4920 Kenyon St	Barker, Olive Thomas.....Morton LD, FA.....4115 15th Av
Anderson, Mrs Low Eastwood.....Seattle UD, Sci.....Lewis Hall, Campus—N 162	Barkwill, Bernard G.....Seattle LD, Sci.....1812 16th Av—E 872
Anderson, Lucien Fred.....Portland, Or Sp, LA.....502 Y.M.C.A.—M 5208	Barnard, Rhea.....Bellingham LD, LA.....4548 Univ Blvd—Ken 2934
Anderson, Martha.....Seattle Sp, LA.....712 E 43d St	

Barnebey, Ethel Edessa..... Fargo, N D  
 Grad  
 Barnebey, Ruby..... Great Falls, Mont  
 Grad  
 Barnes, Walter Price..... Bitter Lake  
 LD, Bus..... Bitter Lake—Bal 1095  
 Barry, Ida Amanda..... Seattle  
 Sp, Bus..... 2555 5th Av W  
 Bartlett, Catherine..... Boise, Ida  
 Unc, LA..... 4530 Univ Blvd  
 Barton, Jenne Catherine..... White Cloud, Mich  
 Unc, Ed..... 1314 Marion St—E 2129  
 Batcheller, Elva Lenore..... Seattle  
 Grad..... 7572 Crescent Place—Ken 1129  
 Batts, Mary B..... Pullman  
 Grad..... Clark Hall Campus—N 262  
 Baudino, Andrew..... Wallace, Ida  
 Unc, Bus..... 4504 16th Av NE—Ken 647  
 Bauer, Lydia Leola..... Walla Walla  
 Sp, Ed..... 4530 17th Av NE  
 Baumann, Mrs. Mary M..... Toledo  
 Sp, Bus..... 4703 10th Av NE  
 Baxter, Leah Merle..... Puente, Calif  
 UD, Ed..... 4551 Univ Blvd  
 Beardsley, George Orville..... Yakima  
 3rd Law..... 5218 17th Av NE—Ken 3169  
 Beaton, Mrs. Margaret K..... Seattle  
 Sp, Sci..... 107 1st Av N—QA 427  
 Beauchamp, Owen William..... O'Neill, Neb  
 UD, Bus..... 5812 15th Av NE—Ken 3467  
 Benham, Bess..... Seattle  
 Grad..... 914 E Harrison St—Cap 222  
 Bennett, Mabel..... Parker  
 LD, LA..... Clark Hall Campus—N 262  
 Bennett, Phillip Albert..... Polouse  
 Grad, RI..... Seattle  
 Bennett, Richard F..... Kirkland  
 LD, LA..... 1229, 21st Av N—E 4336  
 Benson, Ellen..... Ft. Dodge, Iowa  
 UD, Ed..... 4759 Brooklyn Av—Ken 2838  
 Benson, Emma L..... Ft. Dodge, Iowa  
 Sp, Sci..... 4759 Brooklyn Av—Ken 2838  
 Benson, Willis Clendenning..... Seattle  
 LD, ChE..... 5251 16th Av NE  
 Benthlen, Elsie..... Tacoma  
 UD, Sci..... 4711 6th Av NE—Ken 3143  
 Benton, Harold Morse..... Seattle  
 LD, LA..... 5560 29th Av NE—Ken 2279  
 Benz, Fritz Rudolph..... Toppenish  
 3rd Law..... 4203 11th Av NE—N 2364  
 Berg, Ida Blanche..... Seattle  
 Unc..... 4722, 15th Av NE—Ken 2804  
 Bergman, Eugene Elroy..... Breckenridge, Colo  
 LD, Sci..... 4504 16th Av NE—Ken 646  
 Bergstrom, Anna..... Seattle  
 Sp, Sci..... YWCA—M 729  
 Bergstrom, Esther..... Bellingham  
 UD, LA..... Lewis Hall Campus—N 162  
 Bergsvik, Christine..... Portland, Or  
 Unc, Ed..... 2012 E 45th St  
 Bergtold, Cora Luella..... Seattle  
 UD, Ed..... 9611 Rainier Av—Ral 140 M  
 Bernards, Margaret Marie..... Forest Grove, Or  
 Unc, LA..... 4115 15th Av NE  
 Bernhelm, Martha..... Seattle  
 LD, Phar..... 3742 Brooklyn Av  
 Betts, Genevieve D..... Seattle  
 LD, Sci..... 700 Kinneer Place—QA 1201  
 Bibb, Carlisle Hunt..... Tacoma  
 LD, Sci..... 4503 17th Av NE—Ken 236  
 Bibb, John T Jr..... Tacoma  
 UD, ME..... 4503 17th Av NE—Ken 236  
 Biglow, Ernest..... Edmonds  
 LD, Bus..... 5212 18th Av NE—Ken 887  
 Bigford, Grace Elizabeth..... Yakima  
 UD, LA..... 4540 Univ Blvd—Ken 3216  
 Bircher, Mary Louise..... Seattle  
 Unc, Ed..... 4244 10th Av NE—N 1173

Blackburn, Richard Leroy..... Ephrata  
 LD, Ed..... 5018 19th Av NE—Ken 1147  
 Blackstone, Jessie Edna..... Anaconda, Mont  
 Sp, Ed..... 4535 18th Av NE—Ken 1429  
 Bialock, Phoebe Irene..... Walla Walla  
 LD, Sci..... 1523 1st Av N  
 Blau, Louise..... Kiowa, Texas  
 LD, LA..... 4502 20th Av NE—Ken 636  
 Blethen, Clara Antoinette..... Woodland  
 Unc, LA..... 4543 Univ Blvd  
 Bliss, Margaret Sidle..... Omak  
 Grad..... 2012 E 45th St—Ken 2645  
 Bloedel, Prentice..... Seattle  
 Unc, ME.....  
 Blomquist, Louis Earl..... Belt, Mont  
 Sp, Bus..... 4746 18th Av NE  
 Blosser, Stella Bell..... Snohomish  
 LD, LA.....  
 Blumenfeld, Zipora..... Seattle  
 LD, Sci..... 528 19th Av—E 4796  
 Bogardus, Helen..... Seattle  
 LD, LA..... 323 14th Av N—Cap 2339  
 Bollinger, Blanche Elizabeth..... Mithow  
 Grad..... 4535 18th Av NE—Ken 1429  
 Bollman, Dean S..... Seattle  
 UD, LA..... 5470 36th Av SW  
 Bolman, James.....  
 UD, Ed..... 1405 E 41st St—N 690  
 Bonell, Aura..... Fall City  
 Grad..... Lewis Hall Campus—N 162  
 Bonham, Leah Rice..... Pacific Beach  
 Sp, Ed..... 4311 15th Av NE—Ken 2719  
 Booth, Stella..... Spokane  
 Sp, Sci..... 4532 19th Av NE—Ken 1092  
 Bowen, Joseph Chapin..... Portland, Or  
 LD, EB..... Barracks Square Campus—N 65  
 Bowen, Norma Blanche..... Puyallup  
 Grad..... 1920 4th Av N—QA 2338  
 Bowman, Edna Elizabeth..... Everett  
 Sp, LA..... 4542 14th Av NE—Ken 1952  
 Bowman, Laura Maud..... Yakima  
 UD, Ed..... 4540 17th Av NE  
 Boyd, Catherine..... Seattle  
 Grad..... 2727 33rd Av S—Bea 512  
 Bradley, Blythe A..... Seattle  
 UD, Sci..... 510 N 61st St  
 Bradley, Minnie Emily..... Seattle  
 Sp, Sci..... 4554 16th Av NE—Ken 3212  
 Bragdon, Ruth A..... Seattle  
 UD, LA..... 4433 Eastern Av—N 3311  
 Brehm, Helen Louise..... Seattle  
 LD, Ed..... 4530 17th Av NE—Ken 2436  
 Bridgman, Clara May..... Vancouver, B C  
 Unc, Bus..... 4530 17th Av NE  
 Bright, George R..... Napavine  
 Unc, Ed..... 4227 14th Av NE—N 2109  
 Brinck, Raoul A..... Anacortes  
 Grad..... 3415 Densmore Av  
 Brinck, Stephen..... Seattle  
 Grad..... 3415 Densmore Av  
 Brooks, Helen Louise..... Chicago, Ill  
 UD, LA..... 2012 E 45th St  
 Brown Dulcina..... Forest Grove, Or  
 LD, LA.....  
 Brown, Earl Dwight..... Custer  
 LD, ChE..... 4504 16th Av NE—Ken 647  
 Brown, Earl T..... Centralia  
 Grad..... 4532 18th Av NE—Ken 2827  
 Brown, Edith Olivia..... Friday Harbor  
 LD, Sci..... 4703 18th Av NE—Ken 2836  
 Brown, Ford Keeler..... Seattle  
 LD, LA..... 6609 Weedin Place—Ken 1081  
 Brown, Hattie May..... Seattle  
 Grad..... 4746 19th Av NE—Ken 1630  
 Brown, Gladys Irene..... Bellingham  
 UD, Ed..... 4714 17th Av NE—Ken 2253  
 Brown, James Elmer..... Vancouver, B C  
 Ed .....

- Brown, Sarah.....Yakima  
 LD, Bus.....  
 Brown, Vaughan.....Bellingham  
 2nd Law.....1416 E 41st St  
 Bruce, Helen R.....Seattle  
 UD, LA.....1407 E 45th St—Ken 1597  
 Brueggerhoff, Anna Marie.....Seattle  
 Grad.....5225 19th Av NE—Ken 408  
 Budde, Charles Arthur.....Skykomish  
 Unc, LA.....4118 10th Av NE—N 3427  
 Budden, Frank Wilfrid.....Seattle  
 LD, EE.....Hotel Stetson  
 Burghdorf, Mary.....Kennydale  
 LD, Sci.....  
 Burns, Isabel Anastasia.....Eau Galle, Wis  
 Sp, LA.....4217 10th Av NE  
 Burke Frederick Tichenor.....Portland, Or  
 LD, Sci.....4746 20th Av NE  
 Burns, Jessie.....Seattle  
 Unc, Ed.....3215 3rd Av W  
 Burns, Omar Allen.....Seattle  
 Grad.....335 W Nickerson St  
 Burnside, Mary Frances.....Lewiston, Ida  
 UD, LA.....4548 17th Av NE—Ken 2934  
 Burr, Margaret.....  
 UD, Ed.....Capitola Apts—Cap 1000  
 Burrough, Edward L.....Seattle  
 LD, EE.....4503 Thackery Place—N 549  
 Burrus, Leonard Davis.....Tonasket  
 Unc, Ed.....5218 17th Av NE  
 Bursell, Blanche Gertrude.....Seattle  
 UD, Sci.....5008 11th Av NE  
 Burton, Jennie.....Seattle  
 UD, Ed.....4713 14th Av NE—Ken 2168  
 Bush, Florence Wright.....Burlington  
 UD, Ed.....4714 17th Av NE—Ken 2253  
 Buzard, Edwin Joseph.....Spokane  
 Sp, Bus.....  
 Byron, Margaret.....Boise, Ida  
 UD, Sci.....814½ 8th Av  
  
 Cady, Osman.....Seattle  
 Grad.....358 W 52nd St  
 Cairduff, John.....Seattle  
 Sp, CE.....603 Marion St—M 4081  
 Calkins, Eunice Arba.....Seattle  
 Sp, FA.....1520 Boylston Av—E 1143  
 Calkins, Myrtle.....Seattle  
 Unc, Sci.....322 Boylston Av—Cap 722  
 Callahan, Lloyd Franklin.....Casselton, N Dak  
 Sp, Law.....5212 18th Av NE  
 Calt, Helen Ruth.....Seattle  
 LD, Bus.....0530 10th Av NE  
 Campbell, Mary.....Seattle  
 UD, LA.....Clark Hall, Campus—N 262  
 Campbell, Veronica.....Seattle  
 UD, Ed.....1522 Taylor Av—QA 773  
 Cardwell, Frances.....Pomeroy  
 UD, LA.....4524 19th Av NE—Ken 109  
 Carlander, Oswald Rulolph.....Seattle  
 LD, Phar.....1020 E 68th St—Ken 3084  
 Carlin, Adele.....Colville  
 UD, LA.....4535 18th Av NE—Ken 1429  
 Carroll, Joseph D.....Seattle  
 Grad.....4524 17th Av NE—Ken 7201  
 Carpenter, Mary Jane.....Seattle  
 LD, FA.....1015 Ravenna Blvd  
 Carpenter, Varian.....Yakima  
 Unc, LA.....4540 17th Av NE—Ken 3216  
 Carpenter, Mrs Vivian Marot.....Snohomish  
 LD, LA.....4724 9th Av NE—Ken 2919  
 Carper, William Victor.....Seattle  
 Unc, Bus.....165 Melrose Av N  
 Carr, Nell.....Spokane  
 Unc, Ed.....1804 E 50th St  
 Carrigan, Rose Mary.....Seattle  
 Sp, Ed.....2349 Minor St N  
  
 Carrithers, Lillie A.....Centralia  
 UD, Ed.....Clark Hall, Campus—N 262  
 Carter, Nellie.....LaConner  
 Grad.....Clark Hall, Campus—N 262  
 Cartwright, Dorothy.....Seattle  
 LD, LA.....4542 7th Av NE  
 Cartwright, Mabel Elvira.....Salt Lake City, U  
 Unc, Ed.....4305 15th Av NE  
 Cartwright, Ruth Caroline.....Salt Lake City, U  
 Grad.....4305 15th Av NE  
 Case, Austin Ford.....Seattle  
 LD, LA.....5604 16th Av NE—Ken 320  
 Case, Randall Stanway.....Seattle  
 2nd Law.....5004 16th Av NE—Ken 320  
 Caswell, Robert Watkins.....Seattle  
 LD, ME.....1107 E Denny Way—E 3091  
 Cattlett, James.....Seattle  
 UD, EE.....4015 Meridian Av  
 Canby, Cora Belle.....Bellingham  
 Unc, Bus.....4540 17th Av NE  
 Chamberlain, Dorothy Rebekah.....Grove City Pa  
 Grad.....  
 Chapman, Grace.....Seattle  
 Grad.....2305 E 46th St—Ken 2156  
 Chapman, Meryl Grey.....Pullman  
 Grad.....4741 2nd Av NE  
 Charroin, Estelle Eula.....Seattle  
 LD, Sci.....1305 E 41st St  
 Charroin, Florence A.....Seattle  
 LD, Sci.....1305 E 41st St  
 Chiba Yasukichi.....Japan  
 Grad.....300 4th Av—M 3486  
 Christensen, Agnes B G.....Parkland  
 UD, LA.....Lewis Hall, Campus—N 162  
 Christensen Clara Mabel.....Parkland  
 LD, LA.....Lewis Hall, Campus—N 162  
 Christopher, Harris C.....Olympia  
 Grad.....3527 Woodlawn Av  
 Clark, Blanche Cecile.....Portland, Or  
 Unc, Educ.....4010 10th Av NE  
 Clark, Cella Lucile.....Mt Vernon  
 LD, LA.....1616 E 47th St—Ken 149  
 Clark, Deloria Gwendolyn.....Bremerton  
 Unc, Sci.....4551 Univ Blvd—Ken 501  
 Clark, Geraldine Delacour.....Bremerton  
 LD, Phar.....4551 Univ Blvd—Ken 501  
 Clark, Lottie May.....Pratt, Kans  
 Unc, Sci.....4723 18th Av NE  
 Clark, Newman Hall.....Everett  
 LD, LA.....2120 47th Av NE—Ken 1176  
 Clausen, Emma Christina.....The Dalles, Or  
 UD, Ed.....4751 Univ Blvd  
 Cline, Dorothy Dean.....Kahlotus  
 UD, LA.....1906 E 45th St—Ken 983  
 Clithero, Russell Linville.....Yakima  
 LD, ChE.....Ace Club—Barracks Sq—N 55  
 Clutton, Samm William Frederick.....  
 .....Great Falls, Mont  
 LD, FA.....4746 18th Av NE  
 Cobb, Tina Marie.....Richmond Beach  
 UD, LA.....Richmond Beach—R 107  
 Cochel, Frances Geneva.....Bellingham  
 LD, Sci.....5745 Kirkwood Pl—Ken 3294  
 Cochran, Omie.....Finley  
 LD, LA.....Clark Hall, Campus—N 262  
 Cochran, Zenna Elizabeth.....Finley  
 Grad.....Clark Hall, Campus—N 262  
 Cochrane, Henry Park.....  
 LD, FA.....043 YMCA—M 5208  
 Coe, Curtis Evans.....McMinnville, Or  
 Unc, Sci.....YMCA Campus  
 Coe, Curtis Pearre.....McMinnville, Or  
 UD, LA.....YMCA Campus—N 55  
 Cofflin, Mabel M.....Seattle  
 LD, LA.....410 Seneca St—M 3727  
 Cohoes, Orlando.....Spokane  
 LD, LA.....5243 10th Av NE—Ken 3460

Coleman, Maurine.....	Arcata, Cal	Daggett, Annie Rachel.....	Port Ludlow
Sp, Sci.....	Public Safety Bldg—M 6000	LD, LA.....	Clark Hall, Campus—N 262
Colesworthy, Joseph Bicknell.....	Pendleton, Or	Dale, Anga Matilda.....	Bode, Iowa
UD, EE.....	4603 17th Av NE—Ken 236	Sp, Ed.....	4624 17th Av NE—Ken 721
Colesworthy, Margaret.....	Pendleton, Or	Dammann, Marjorie.....	Parkland
LD, LA.....	4710 17th Av NE—Ken 1857	UD, Sci.....	Lewis Hall Campus—N 162
Collins, Arthur Joseph.....	Spokane	Dancer, Grace.....	Bellingham
Grad.....	4524 19th Av NE	LD, LA.....	4710 17th Av NE
Collins, Claude Chester.....	Monroe	Dand, John Mungo.....	Seattle
UD, LA.....	4532 18th Av NE	LD, Bus.....	5040 19th Av NE—Ken 3547
Collins, Opal.....	Seattle	Danielson, Lillian Cotherine.....	Milwaukee, Wis
Grad.....	4323 Thackeray Pl—N 944	Unc, Ed.....	4714 Univ Blvd—Ken 2253
Conboy, Irene Kathryn.....	Denver	Dart, Lois Adella.....	Spokane
UD, Ed.....	4603 Eastern Av—N 163	Grad.....	4543 17th Av NE
Conde, Maximo Francisco.....	Seattle	Daubenspeck, Marlon.....	White Bird Ida
Sp, LA.....	3307 3rd Av W—QA 3498	LD, Ed.....	4750 18th Av NE—Ken 2594
Conney, Anna Louise.....	Sedro-Woolley	Davenport, Elva Allison.....	Seattle
Grad.....	608 E 45th St—N 1055	Sp, Sci.....	3026 24th Av W—QA 1052
Conney, Kathryn.....	Sedro-Woolley	David, Oscar Desiderino.....	Raymond, Alberta
Grad.....	608 E 45th St—N 1055	Sp, LA.....	109 Eastlake Av
Connor, Helen R.....	Seattle	Davidson, Anna E.....	Anaconda, Mont
Sp, Ed.....	403 9th Av NE	LD, LA.....	
Constantine, Helen Rumana.....	Seattle	Davidson, Verle Belle.....	Edmonds
Grad.....	4510 20th Av NE—Ken 2366	Sp, FA.....	
Convry, Nellie Mae.....	Des Moines, Iowa	Davis, Gertrude A.....	Chinook
LD, Bus.....	4547 Univ Blvd—Ken 1004	UD, LA.....	
Cooley, Austin George.....	Seattle	Davis, Lois Lillian.....	Seattle
LD, EE.....	2108 L C Smith Bldg—Ell 879	LD, LA.....	5516 10th Av NE—Ken 2347
Cooney, Alta.....	Seattle	Deane, Dorothy Stephenson.....	Bothell
LD, Ed.....	4216 Pasadena Place	LD, Sci.....	4045 Brooklyn Av
Cooper, Florence Ellen.....	Spokane	Deane, Charles Henry.....	Oakville
Sp, Sci.....	4230 14th Av NE—N 1774	Grad.....	5012 10th Av NE
Cootes, Sarah.....	Dawson, Y T	Deane, Katherine Fell.....	Fayetteville, Ark
Unc, Bus.....	4504 18th Av NE—Ken 146	LD, LA.....	5814 16th Av NE—Ken 2407
Cordero, Rosario M.....	Bawan, P I	Dellinger, Sarah Sherwood.....	Everett
Sp, Phar.....	4742 Brooklyn Av—Ken 1848	LD, Ed.....	4554 16th St—Ken 3212
Corkery, Ernestine.....	Yakima	Denniston, Emma Margaret.....	Manchester
Sp, Ed.....		UD, Sci.....	4714 19th Av NE—Ken 2761
Coulter, Leona May.....	Spokane	DePann, Mrs. Bernice.....	Helena, Mont
Grad.....	1403 Northlake Av	UD, Ed.....	Clark Hall, Campus—N 282
Council, Elizabeth.....	Seattle	DeShon, Marguerite.....	Seattle
UD, LA.....	5625 15th Av NE—Ken 276	LD, Ed.....	4323 2nd Av NE—N 2373
Counihan, Elizabeth M.....	Seattle	Desmond, Ethel.....	Seattle
UD, Ed.....	916 Harvard Av—Cap 2913	LD, LA.....	2359 Boylston Av—Cap 2683
Courtney, Madeline.....	London, Eng	Devine, Grace Mary.....	Seattle
Sp, Sci.....	4502 20th Av NE	UD, Ed.....	1616 39th Av—E 6316
Cowgill, Lester Blaine.....	Chateau, Mont	Dewhirst, William Augustus.....	Kirkland
UD, EE.....	5038 18th Av NE—Ken 1103	Grad.....	Kirkland
Cowley, Francis Craig.....		Dickens, Gordon M.....	Stellacom
	Cowley's Landing, Vashon Is.	LD, Sci.....	4732 21st Av NE—Ken 26
	LD, EE.....	Didrichsen, Elvind.....	Norway
	416 New York Bldg	LD, Bus.....	4505 18th Av NE—Ken 333
Cox, Beatrice Tribou.....	Seattle	Dodds, Lora.....	Spokane
LD, FA.....	216½ Belmont Av—Cap 2062	UD, LA.....	4502 20th Av NE—Ken 685
Craib, Margaret Cumming.....	Seattle	Doell, Lydia Justine.....	Lind
UD, LA.....	2146 N 64th St—Ken 1398	LD, Ed.....	4714 Univ Blvd—Ken 2253
Crane, Alice Dean.....	Seattle	Dolph, Adelaide Valentine.....	Cedarhurst
LD, LA.....	2036 King St—Bal 1946	Sp, LA.....	Clark Hall, Campus—N 262
Craske, Fred.....	Bellingham	Donoghue, Lucy C.....	Seattle
UD, Ed.....	YMCA Campus, N 55	LD, FA.....	1916 E Marion St
Craver, Eugenia M.....	Seattle	Donohue, Mrs. Merie Childs.....	Seattle
UD, FA.....	305 Bellevue Av—N Cap 950	UD, FA.....	Weir Apts—N 3492
Crosno, May Frances.....	Wrangell, Alaska	Donovan, Nellie O.....	Spokane
Grad.....	4714 Brooklyn Av—Ken 1170	UD, LA.....	1620 13th Av—E 3680
Crosno, Olive Viola.....	Seattle	Doolittle, Henry Burton.....	Sedro-Woolley
Grad.....	4714 Brooklyn Av—Ken 1170	LD, Ed.....	4532 18th Av NE
Crowley, Montana Margaret.....	Seattle	Doremus, Della Ellen.....	Seattle
Unc, Ed.....	4542 14th Av NE—Ken 1932	LD, Sci.....	6514 4th Av NE—Ken 3101
Cunningham, B Theresa.....	Seattle	Dowling, Ellise Gwendolyn.....	Portland, Or
LD, LA.....	4751 10th Av NE	LD, LA.....	2012 E 45th—Ken 2045
Curtiss, Verne Elizabeth.....	Grand Dalles	Doyle, Edgar P.....	Snohomish
LD, Bus.....	Lewis Hall, Campus—N 162	LD, ME.....	414 E 42nd St
Cutter, Julia Louise.....	Sheridan, Wyo	Drake, Maude E.....	Seattle
LD, Sci.....	1407 E 45th St—Ken 1597	LD, Ed.....	6310 22nd Av NE—Ken 1681
Cutter, Susan Ethel.....	Sheridan, Wyo	Draper, Edgar Marian.....	Ontario, Or
UD, Sci8.....	1407 E 45th St—Ken 1597	Or Grad.....	4504 10th Av NE—Ken 647
Cutts, Beatrice Tyler.....	Seattle	Drimple, Belle.....	LaConner
LD, LA.....	3700 E 44th St	UD, LA.....	1408 E 42nd St—N 48

- Dudley Lila Adele.....Mullan, Ida  
LD, Sci.....4722 18th Av NE—Ken 2861
- Duff, Effie.....Pendleton, Or  
Grad.....4504 18th Av NE
- Duff, John Alexander.....Seattle  
Grad.....4316 W Stevens St
- Dunlway, Robert Edward.....Portland, Or  
UD, ME.....4522 18th Av NE—Ken 3681
- Dunlap, Theodore Edmund.....Tacoma  
Grad.....Barracks Sq Campus—N 55
- Dunmore, L. Blanche.....Seattle  
Sp, LA.....6800 28th Av NW—Bal 3190
- Dunning, Guy Ernest.....Olympia  
Grad.....4532 18th Av NE—Ken 2627
- Dunnington, Sabrina.....Ellensburg  
Unc, Sci.....4746 16th Av NE—Ken 401
- Dwyer, Monica Margaret.....Rosalia  
LD, Sci.....Lewis Hall Campus—N 162
- Dyer, Wilbur Marvin.....Kirkland  
UD, Ed.....
- Easterday, Fay Beatrice.....Tacoma  
Grad.....2012 E 45th St—Ken 2645
- Eaton, Gertrude Root.....Cedar Falls, Iowa  
LD, LA.....
- Ebright, Eloise.....Seattle  
UD, LA.....1320 Terry Av—M 6411
- Eccles, Grace.....Washtucum  
Grad.....Lewis Hall—N 162
- Eckles, Babel Allegra.....Cambridge, Idaho  
LD, LA.....4708 18th Av NE—Ken 2300
- Eckmann, Ray L.....Seattle  
LD, Bus.....1210 N 49th St
- Eddy, Mona Burtch.....Helena, Mont  
LD, Ed.....4230 Brooklyn Av
- Edwards, Lela B.....Seattle  
Sp, Ed.....4470 Whitman Av—N 190
- Egan, Marie Agnes.....Seattle  
LD, Ed.....1532 W 63rd St
- Eichner, Isabel.....South Bend  
UD, LA.....1616 E 47th St—Ken 149
- Eilmann, Rose.....Reardan  
Sp, Sci.....Clark Hall Campus—N 262
- Elines, Phillip.....Spokane  
Sp, Bus.....West Hotel 4th & Harrison St
- Eldridge, Mrs Lena.....Tularosa, N Mex  
LD, Ed.....1408 E 42nd St
- Ellas, Jane Mills.....Rock Springs, Wyo  
UD, Ed.....2016 Canoe Pl—Bal 620
- Elliott, Louise.....Seattle  
Unc, LA.....6916 56th Av S
- Elliott, Oliver Carlisle.....Seattle  
LD, ME.....337 E 57th St
- Ellis, James Land.....Pasco  
Unc, LA.....4723 9th Av NE—Ken 3354
- Elvidge, Anita Miller.....Seattle  
LD, FA.....4026 11th Av NE—N 3336
- Emerson, Frances Bargon.....Butte, Mont  
UD, LA.....4510 21st Av NE—Ken 826
- Encarnacion, Marcians.....P I  
Sp, Ed.....512 E 57th St—Ken 3043
- Engberg, Paul Krukow.....Bellingham  
LD, LA.....4522 18th Av NE
- Engler, Dora Dean.....Pasco  
Grad.....5004 Univ Blvd—Ken 298
- Erickson, Agnes Elizabeth.....Seattle  
Unc Sci.....7545 12th Av NW—Bal 1239
- Ericson, Anna M.....Lofall  
Unc, Ed.....
- Ertle, Una Beatrice.....Seattle  
UD, LA.....4540 Univ Blvd—Ken 3216
- Estep, Amy Josephine.....Seattle  
Unc, Ed.....Clark Hall Campus—N 262
- Ettinger, Dorothy.....Seattle  
LD, Ed.....1020 8th Av—Ell 4934 W
- Eustis, Stella Annette.....  
Grad.....4705 16th Av NE—Ken 98
- Evans, Mrs Gwendolyn Elder.....Everett  
LD, FA.....
- Evans, Lecll Lacy.....Seattle  
UD, LA.....5038 12th Av NE—Ken 3488
- Everett, Elva Regina.....Colby  
Unc, FA.....4551 Univ Blvd—Ken 501
- Ewing, Richard Howe.....Bellingham  
UD, LA.....4143 11th Av NE—N 416
- Fahey, Anna Amy.....Seattle  
Unc, LA.....4334 Sunnyside Av—N 1031
- Fahey, Ella.....Seattle  
UD, LA.....4334 Sunnyside Av—N 1031
- Falconer, Ida R.....Vashon  
Sp, Sci.....Clark Hall, Campus—N 262
- Fallor, John William.....Auburn  
Unc, Ed.....154 W Auburn
- Falknor, Judson Fahnestock.....Seattle  
2nd Law.....908 Shelby St—Cap 1442
- Fallis, Mrs. Irene Crawford.....Seattle  
UD, Ed.....5518 16th Av NE
- Farris, Helen Harmon.....Wilkinsburg, Pa  
Grad.....1916 25th Av N—E 7427
- Farley, Guy Frances.....Seattle  
UD, Ed.....5104 46th Av S—Bal 736
- Farnsworth, Ruah.....Lindsay, Cal  
LD, LA.....Lewis Hall, Campus—N 162
- Farquhar, Elizabeth Helen.....Seattle  
LD, Phar.....4508 16th Av NE—Ken 2768
- Farquharson, Frederick Burt.....Seattle  
LD, Aero Eng'r.....5236 21st Av NE  
—Ken 1347
- Farrar, Mayme.....Seattle  
Grad.....1521 16th Av—E 520
- Fay, Helen Frances.....Seattle  
Grad.....912 N 47th St—N 2156
- Fety, Tomine.....Portland, Or  
LD, FA.....727 Summit Av N
- Amos, Charles Fey.....Seattle  
LD, Sci.....956 20th Av—East 6701
- Finlay, Dreda Dermida.....Butte, Mont  
LD, LA.....4731 21st Av NE—Ken 1385
- Finlay, Sylvia Elfreda.....Butte, Mont  
UD, LA.....4731 21st Av NE—Ken 1385
- Fish, Herbert Clay.....Seattle  
Grad.....1704 E 76th St
- Fitzgerald, Donald Raymond.....Spokane  
LD, Bus.....5035 19th Av NE—Ken 939
- Fleming, Marie.....Seattle  
Sp, LA.....4330 Wallingford Av—N 3233
- Flowers, Ruby Jean.....Burton  
UD, LA.....4719 Univ Blvd—Ken 2836
- Folsom, Mrs Elma McCann.....Seattle  
LD, LA.....4583 19th Av NE—Ken 232
- Folsom, Robert.....Prosser  
Sp, CE.....4533 19th Av NE—Ken 232
- Farkey, Blanche Josephine.....Yakima  
Sp, FA.....4524 19th Av NE—Ken 199
- Forrester, Bessie Toner.....Tacoma  
Grad.....5012 10th Av NE—Ken 3227
- Foss, Mary Loretta.....Walla Walla  
LD, FA.....4508 16th Av NE
- Foster, Charles Jacob.....Seattle  
Unc, Ed.....325 19th Av—East 3844
- Foster, Dorothy Emily.....Portland, Or  
Unc, Sci.....Lewis Hall Campus—N 162
- Foster, George Fleming.....Seattle  
UD, LA.....2715 49th Av SW
- Foster, Edna Grace.....Bellingham  
UD, LA.....Clark Hall, Campus—N 262
- Frazer, Mary C.....Thomas  
Unc, LA.....Clark Hall, Campus—N 262
- Fredson, Jean Todd.....Pottlatch  
Sp, Ed.....3920 13th Av S—Sid 622
- Freebourg, Henry Emanuel.....Hillyard  
LD, Sci.....
- Frein, Alice Virginia.....Seattle  
LD, LA.....4317 15th Av NE—Ken 2088

French, Merle Carolyn.....Vancouver  
UD, LA.....Clar Hall, Campus—N 262  
Freyd, Max.....Seattle  
Grad.....3208 35th Av S—Rai 499  
Friend, Effie Spooner.....Kent  
Sp, FA.....  
Frye, Ina Grace.....Silver City, Ida  
LD, Sci.....  
Fakuoka, Miss Yasu.....Tokyo, Japan  
Unc, Sci.....1915 15th Av N—Cap 3248  
Fuller, Emilie Stone.....Seattle  
Grad.....4538 12th Av NE—Ken 2647  
Fullerton, Josephine.....Portland, Or  
Unc, Ed.....1205 15th Av N  
Funnell, Vera Juliana.....Seattle  
Unc, Ed.....4318 6th Av S  
Furber, George O.....Seattle  
1st Law.....2026½ Boylston Av N—Cap 3104

Ganders, Harry Stanley.....Walla Walla  
UD, Ed.....4582 18th Av NE—Ken 2827  
Gardner, Mrs Alida.....Toult  
Sp, Bus.....4229 Brooklyn Av  
Gardner, Joseph.....Toult  
Unc, Ed.....4229 Brooklyn Av  
Gauppp, Pauline.....Tacoma  
LD, Sci.....Lewis Hall, Campus—N 162  
Gauss, Hurley Barbara.....Wapello, Iowa  
UD, LA.....4718 15th Av NE—Ken 2631  
Gellermann, William.....Seattle  
LD, LA.....4517 Brooklyn Av  
Gendron, Noella Antoinette.....Yakima  
Sp, Ed.....4524 19th Av NE—Ken 199  
George, Dorothy.....Del Paso Heights Cal  
Unc, Sci.....1729 Broadway—East 5278  
Georgeson, Rosemary.....Sitka, Alaska  
Grad.....4751 17th Av NE—Ken 2713  
Getsch, Lena Marie.....Yakima  
LD, LA.....4540 17th Av NE  
Gibson, Grant M.....Sumas  
Grad, Ed, Elks Club 4th Av & Spring Bl 92  
Gibson, Horton C.....Walla Walla  
Sp, Ed.....4235 12th Av NE  
Gilbert, Elton James.....Yakima  
UD, Bus.....4616 21st Av NE—Ken 490  
Gilbert, Margaret Gluda.....Yakima  
LD, LA.....4710 17th Av NE—Ken 1857  
Gilbert, James Cornelius.....Spokane  
LD, EE.....5035 19th Av NE—Ken 930  
Gill, Cecelia.....Seattle  
Unc, FA.....403 9th Av—Ell 4263 W  
Gillett, Ada.....Seattle  
UD, LA.....3216 Eastlake Av  
Gillett, Frank Richard.....Seattle  
Unc, LA.....4548 9th Av NE  
Gilliland, William Lester.....Seattle  
UD, Sci.....4740 15th Av NE  
Gilley, Beth May.....New Westminster, B C  
UD, Bus.....Clark Hall, Campus—N 262  
Gilson, Pearl B N.....Spokane  
Sp, Sci.....Normandie Apts  
Gleason, Dorothy.....Seattle  
UD, LA.....2542 Queen Anne Av  
Gleed, Laurel E.....Bonners Ferry, Idaho  
LD, FA.....4540 Univ Blvd—Ken 3216  
Glover, Bessie.....Mineral  
Sp, Ed.....4115 15th Av NE  
Glover, Oscar Kern.....Kapowsin  
UD, LA.....4045 Brooklyn Av—N 2416  
Glover, Sophia A.....Kapowsin  
Sp, FA.....4045 Brooklyn Av—N 2416  
Glover, Ross Allen.....Mineral  
Sp, Ed.....4115 15th Av NE  
Godakesen, William Christian.....Portland, Or  
UD, Ed.....4505 18th Av NE  
Goheen, Merle O.....Bellingham  
LD, ChE.....705 Broadway—Ell 38

Goodheart, Mary Katharine.....Bellingham  
LD, Bus.....4508 18th Av NE—Ken 146  
Goodwin, Hazel Ruth.....Anaconda, Mont  
Unc, FA.....  
Gordon, David Lowry.....Seattle  
LD, ChE.....3624 Aurora Av—N 889  
Gordon, Ella.....Aberdeen  
Sp, Ed.....1407 E 45th St—Ken 1597  
Gotchy, Ida.....Bellingham  
UD, Ed.....1616 E 47th St—Ken 149  
Graham, Wyona.....Bellingham  
LD, FA.....4524 19th Av NE—Ken 199  
Grant, Gary Gale.....Seattle  
LD, ChE.....4317 10th Av NE—N 1698  
Graveley, Martha Jane.....Boise, Ida  
UD, LA.....4714 17th Av NE  
Graves, Arnold Landon.....Spokane  
Unc, Law.....4549 15th Av NE—Ken 475  
Graves, Mrs Belinda Waterman.....Seattle  
Sp, Sci.....3242 44th Av SW—W 262  
Gray, Margaret.....Bellingham  
UD, LA.....4525 18th Av NE  
Grebe, Louisa Edith.....Spokane  
Unc, LA.....4732 21st Av NE—Ken 26  
Greenberg, Ben David.....Tacoma  
Unc, Bus.....4532 18th Av NE  
Greene, Gaylard Wilson.....Seattle  
Grad.....2215 E Olive St—E 7864  
Greene, Lew Abrams.....Bellingham  
UD, LA.....4528 20th Av NE—Ken 1301  
Grinstein, Alexander.....Seattle  
LD, Sci.....725 28th Av—E 6240  
Greene, Eula Velma.....Ozark, Mo  
Unc, LA.....256 E 50th St—N 2629  
Greibrok, Ragnhild Marie.....Parkland  
LD, Sci.....4254 7th Av NE—Ken 3795  
Gross, Katherine Josephine.....Eau Claire, Mich  
UD, LA.....1415 E Olive St  
Grove, Maude T.....Spokane  
Grad.....4710 17th Av NE—Ken 1857  
Grover, Isabel Margaret.....McMinnville, Or  
Grad, LA.....Clark Hall, Campus—N 262  
Guenther, Chrystal.....Seattle  
UD, LA.....4536 14th Av NE—Ken 776  
Guild, William Everhard.....Scarsdale, N Y  
LD, LA.....5026 16th Av NE  
Gunderson, Olga.....Portland, Or  
Sp, LA.....4524 19th Av NE  
Gunn, Marjorie.....Seattle  
UD, Sci.....4230 14th Av NE—N 1774  
Guyer, Julia.....Kansas City, Mo  
Grad.....4547 19th Av NE—Ken 23  
Gwinn, Bessie Amanda.....Garfield  
Grad.....  
Gwynn, Leanna.....Bellingham  
UD, Ed.....4547 17th Av NE

Haecker, Mary M.....Seattle  
UD, LA.....4751 17th NE—Ken 2713  
Haight, Gilbert Pierre.....Seattle  
3rd Law.....828 Broadway—E 2029  
Hall, Agnes Catherine.....Helena, Mont  
LD, Ed.....915 E Mercer St  
Hall, Alma.....Boise, Ida  
UD, Ed.....4734 17th Av NE  
Hall, Matie Ella.....York, Nebr  
Grad.....4735 21st Av NE  
Hall, Maude.....Fairfax  
UD, Sci.....5612 Brooklyn Av—Ken 2006  
Hall, Vernon Knight.....Vancouver, B C  
LD, Sci.....4315 Brooklyn Av—Ken 1547  
Hall, Amy Violet.....Vancouver, B C  
LD, FA.....4311 Brooklyn Av  
Hallan, Claude E.....Monroe  
Grad.....  
Hallin, Ruth Marjorie.....Tacoma  
Unc, Sci.....1917 Franklin Pl—Cap 2997



- Hallingby, Olive Laura.....Portland, Or  
Sp, LA.....2012 E 45th St
- Halsey, Caroline.....Burlington  
LD, Sci.....4554 16th Av NE—Ken 3212
- Hamilton, Rachel Elizabeth.....Echo, Or  
Grad.....1200 17th Av N—E 3225
- Hamley, Gladys Jean.....Pendleton, Or  
UD, LA.....
- Hammarberg, Agnes Elizabeth.....Sweden  
UD, Ed.....4532 18th Av NE—Ken 2827
- Hansome, Maritus.....Hydaburg, Alaska  
UD, LA.....4554 16th Av NE—N 119
- Hanson, Ethel Alberta.....Seattle  
Grad.....4747 18th Av NE—Ken 489
- Hanson, Helen.....Seattle  
Grad.....4747 18th Av NE—Ken 2430
- Haritonoff, Samal.....Odessa, Russia  
LD, CE.....3804 10th Av NE—N 1688
- Harman, Helen Amber.....Port Angeles  
LD, FA.....4732 21st Av NE—Ken 20
- Harmon, Mrs Louise Williams.....Orosi, Cal  
Grad.....
- Harrington, Irene C.....Caldwell, Ida.  
UD, Sci.....4734 Univ Blvd—Ken 593
- Harris, Sarah Eleanor.....Seattle  
UD, LA.....221 18th Av N—E 6592
- Harris, Nelle F.....Seattle  
Unc, Ed.....6536 25th Av NW
- Harrison, Mary.....Madras, Or  
Unc, Ed.....4746 16th Av NE—Ken 401
- Hart, Cornelia.....Boise, Ida  
Unc, FA.....4530 17th Av NE
- Hartge, Mrs Lena A.....Seattle  
Grad.....5245 14th Av NE
- Hartman, Robert N.....Seattle  
UD, Bus.....4503 17th Av NE—Ken 230
- Hartshorn, Gordon Clare.....Seattle  
LD, Sci.....1618 Bellevue Av—E 5551
- Harvey, Edwin C.....Sedro-Woolley  
LD, Bus.....4233 Meridian Av
- Harvey, Charles Henry.....London, Eng  
Sp.....715 26th St S—Bea 2346
- Harvey, John Hamilton.....Seattle  
LD, Bus.....No 306 1416 E 41st St
- Harvitz, Barnett.....Seattle  
UD, Bus.....413 Malden Av—Cap 1046
- Haug, Andrew J.....Seattle  
LD, EE.....5812 15th Av NE—Ken 3467
- Hawkes, Irene.....Buckley  
UD, LA.....4504 18th Av NE
- Hawley, Dwight S.....Seattle  
LD, Bus.....2846 W 64th St—Bal 1133
- Hawley, Edna Tibbits (Mrs N C).....Seattle  
Grad.....904 8th Av W—QA 3873
- Hay, Nell.....Berlin, Pa  
Sp, Sci.....42 17th Av NE—Ken 650
- Hayner, Norman Sylvester.....Walla Walla  
UD, LA.....Barracks Sq Campus—N 55
- Hazen, Hattie Whitehead.....Pendleton, Or  
Sp, Ed.....4524 17th Av NE—Ken 721
- Heath, Eugene.....Mukilteo  
Sp, CE.....1404 E 41st St
- Heath, Harry French.....Dryden  
Grad.....5218 Univ Blvd—Ken 8169
- Hedges, Birdie.....Seattle  
Grad.....8041 Strond Av—Ken 2624
- Hefferman, Grace Elizabeth.....Seattle  
UD, LA.....4504 18th Av NE—Ken 146
- Heglund, Bert.....Wilson, Wis  
Sp, Ed.....700 Marion St
- Hegman, Bertha.....Seattle  
Grad.....4514 16th Av NE—Ken 904
- Henderson, Evelyn.....Seattle  
UD, Ed.....6517 Greenwood Av—Bal 2890
- Henderson, Helen Winifred.....Somers, Mont  
Sp, Ed.....Clark Hall Campus—N 262
- Hendricks, Mrs Golda.....Plains, Mont  
Unc, Bus.....1906 E 45th St—Ken 988
- Herford, Marjorie.....Fletcher Bay  
LD, LA.....
- Hermann, Frank A.....Butte, Mont  
Unc, Ed.....
- Hernacz, Joseph R.....Manila, P I  
LD, LA.....Hotel Terry—Ell 1030
- Herner, Pauline.....Portland, Or  
LD, Sci.....1906 E 45th St—Ken 983
- Herret, Lucile Edith.....Everett  
UD, Ed.....4244 7th Av NE—N 1188
- Herring, John P.....Seattle  
Grad.....1419 N 51st St—N 779
- Heywood, Carrie Agnes.....Kittitas  
UD, Sci.....5002 16th Av NE—Ken 2066
- Hibarger, Pearle.....Yakima  
LD, Sci.....2012 E 45th St
- Hibbard, Myra.....Seattle  
LD, LA.....223 12th Av N—Cap 2792
- Higgle, Mable Iona.....Girard, Kansas  
UD, FA.....2031 Franklin Av—Cap 2167
- Hilen, Ethel Joan.....Seattle  
Unc, Sci.....5808 15th Av NE—Ken 3522
- Hill, Cyril Dean.....Seattle  
LD, LA.....3220 6th Av W—QA 554
- Hill, Ellen.....Payette, Ida  
Grad.....4521 10th Av NE—N 913
- Hill, Glen Gordon.....Roche Harbor  
LD, Ed.....4528 20th Av NE—Ken 1301
- Hill, Grace Alma.....Seattle  
Grad.....Clark Hall Campus—N 262
- Hill, Sidney Bryan.....Roche Harbor  
Unc, LA.....4528 20th Av NE—Ken 1301
- Hills, Herbert V.....Republic  
Grad.....5023 15th Av NE—Ken 1273
- Hinman, Charles Lee.....Yakima  
LD, LA.....5020 12th Av NE—Ken 2044
- Hiser, Clara Fae.....Spokane  
Unc, Ed.....Lewis Hall, Campus—N 162
- Hitchings, Eben G.....Seattle  
LD, CE.....1729 39th Av—E 2315
- Hodges, James Frederick.....Seattle  
LD, ChE.....4522 18th Av NE—Ken 3681
- Hoff, H A.....Seattle  
Grad.....2834 Boylston Av—Cap 3441
- Hoffman Kathryn E.....Ellensburg  
LD, Bus.....3421 Wallingford Av
- Hogan, Philip.....Voder  
UD, Ed.....4045 Brooklyn Av
- Holbrook, C Ray.....Auburn  
UD, Ed.....4010 10th Av NE
- Holbrook, William Paul.....Seattle  
UD, LA.....5038 17th Av NE—Ken 490
- Holden, James Hector.....Seattle  
LD, Ed.....123 6th Av N
- Holiday, Sylvia Susannah.....Bellingham  
UD, Bus.....4535 18th Av NE
- Hollan, Daisy.....Bothell  
LD, Sci.....4045 Brooklyn Av
- Hollan, Emma.....Bothell  
UD, LA.....4045 Brooklyn Av
- Holmes, Elsie Belle.....Woodland, Mich  
UD, Sci.....4535 18th Av NE
- Hone, Marie Curran.....Tonasket  
UD, LA.....63rd & 20th Av NE
- Hooper, Mary Virginia.....Winslow  
Grad.....4504 18th Av NE—Ken 146
- Hoover, Ralph.....Hoquiam  
UD, LA.....4505 18th Av NE—Ken 333
- Hopkins, Doris Fernald.....Seattle  
UD, LA.....1061 E Lynn—M 3975
- Hopkins, Olive Fay.....Kirkland  
Grad.....Box 141 Kirkland
- Hopping, William Daniel.....Tacoma  
UD, Bus.....4505 18th Av NE—Ken 333
- Horan, Nell Eva.....  
Sp, FA.....4706 17th Av NE—Ken 702
- Horiuchi, George S.....Seattle  
2nd Law.....211 5th Av S—M 3750

Hornbeck, Frankie.....Haines, Or  
 LD, LA.....  
 Houghton, Mabel Alice.....Anglin  
 Sp, Ed.....4340 11th Av NE  
 Hounsell, Inez S.....Seattle  
 LD, Sci.....6315 10th Av NE  
 Hover, Ernest John.....Tacoma  
 Unc( Law.....1906 E 45th St—Ken 983  
 Hover, Helen J.....Bellevue, Ohio  
 UD, Sci.....4502 20th Av NE—Ken 685  
 Hovies, Benjamin Franklin.....Blaine  
 Grad.....4532 18th Av NE—Ken 2827  
 Hoyt, Mary Parmelia.....Rexford, Mont  
 LD, Ed.....5703 18th Av NE—Ken 189  
 Hubbard, C Anderson.....Portland, Or  
 UD, Ed.....Science Hall, Campus  
 Hudak, Eleanor.....Hoquiam  
 Sp, Sci.....1616 E 47th St—Ken 149  
 Huggett, Cepha.....Pinehurst  
 LD, LA.....4552 12th Av NE—Ken 1913  
 Hughes, Anna Burke.....Seattle  
 LD, LA.....723 19th Av—E 6229  
 Hughes, Mary Monica.....Seattle  
 LD, LA.....4504 18th Av NE—Ken 146  
 Hummel, Stella Patzman.....Seattle  
 Sp, FA.....5508 2nd Av NW—Bal 450  
 Hunt, Ozro Harold.....Kennedydale  
 LD, EE.....  
 Hunter, Bertha.....Portland, Or  
 Grad.....917 James St  
 Hyndman, William Lee.....Spokane  
 Unc, Law.....4582 18th Av NE—Ken 2827

Ide, Lillian Valentine.....Colville  
 Unc FA.....4535 18th Av NE—Ken 1429  
 Imes, Henry T.....Tacoma  
 Grad.....  
 Imrie, Lillian Mildred.....Goodnoe Hills  
 LD, Ed.....4115 15th Av NE—N 2377  
 Indridson, Emma.....Port Townsend  
 LD, Sci.....7353 22d Av NW—Bal 2809  
 Ingalls, Estelle Margaret.....Portland, Or  
 UD, Ed.....4706 Univ Blvd—Ken 702  
 Ingalls, John Sidney.....Seattle  
 LD, LA.....2818 N Broadway—Cap 2343  
 Ingalls, Lloyd Lester.....Seattle  
 LD, LA.....4301 2nd Av NE—N 5535  
 Ingram, Irene.....Seattle  
 Sp, LA.....Caledonian Apts  
 Ishiyama, Elitsui.....Seattle  
 LD, EE.....4110 12th Av NE—N 2797  
 Inouye, Chohel.....Seattle  
 LD, LA.....1103 Jackson St—Bea 628  
 Ives, Mae Elizabeth.....Warrensburg, Mo  
 Sp, Bus.....821 11th Av—E 6010

Jackson, Evelyn F.....Seattle  
 Unc, Sci.....2106 Jackson St—Bea 2147  
 Jackson, Laura Reddale.....Spokane  
 LD, Sci.....4508 16th Av NE—Ken 2768  
 Jackson, Mabel Annie.....Seattle  
 Unc, LA.....2106 Jackson St—Bea 2147  
 Jacobs, Isabel.....Seattle  
 Grad.....4539 5th Av NE—N 2023  
 Jacobsen, Louis A.....Everett  
 Sp, Ed.....4115 14th Av NE  
 Jacobsen, Agnes.....Spanaway  
 Sp, Sci.....4532 10th Av NE—Ken 1002  
 Jaeger, Julius Peter.....Spokane  
 Grad.....4504 16th Av NE  
 Jamieson, Irene.....Spokane  
 UD, LA.....4535 18th Av NE  
 Jared, Myron Shelby.....Seattle  
 LD, Sci.....534 Federal Av—Cap 2294  
 Jaspersen, Agnes.....Seattle  
 UD, Ed.....6713 26th Av NW—Bea 929

Jenkins, Helena.....Puyallup  
 Unc, LA.....4238 12th Av NE—N 329  
 Jenks, Gracia L.....Seattle  
 Grad.....1623 22nd Av N—E 5742  
 Jennings, Anna Loretta.....Portland, Or  
 LD, LA.....4547 17th Av NE—Ken 1004  
 Jennings, Matilda.....Lewiston, Ida  
 Sp, Ed.....YWCA—M 7201  
 Jensen, Arne Sigurd.....Leavenworth  
 UD, LA.....2420 N Broadway—Cap 1071  
 Jorgensen, Mary Esther.....Harm Springs, Mont  
 LD, Bus.....1616 E 47th St—Ken 149  
 Jerome, William J.....Asotin  
 Sp, Ed.....4711 15th Av NE  
 Jewett, Frederick Arnold.....Langara P O, B C  
 Grad.....4551 Univ Blvd  
 Johnsen, Joan Elsie.....Richmond Beach  
 LD, Ed.....5400 1st Av NE—Ken 551  
 Johnson, Arnold Waldemar.....Seattle  
 LD, Bus.....3830 Stone Way  
 Johnson, Esther L.....Spokane  
 UD, FA.....1616 E 47th St—Ken 149  
 Johnson, Matilda Inga.....Seattle  
 Sp, Sci.....4461 Linden Av—N 1127  
 Johnson, Irma.....Cascade, Mont  
 Sp, Ed.....New Richmond Hotel—M 3153  
 Johnson, John Earl.....Kalama  
 Grad.....4532 18th Av NE—Ken 2827  
 Johnson, Leta Edgington.....Corvallis, Or  
 Grad.....  
 Johnson, A Lucia.....Billings, Mont  
 Unc, Ed.....1407 E 45th St  
 Johanson, Martha Wilhelmina.....Winlock  
 Unc, Ed.....1906 13th Av W  
 Johnson, Ocell H.....Seattle  
 3rd Law.....904 N 48th St—N 1471  
 Johnson, Ruth Frances.....Yakima  
 Grad.....4548 17th Av NE  
 Johnston, William John.....Seattle  
 Unc, ME.....4714 Brooklyn Av—Ken 1170  
 Jones, Beatrice E.....Spokane  
 LD, LA.....1620 13th Av—E 8680  
 Jones, Harriet Mary.....Buckley  
 Sp, Sci.....348 N 72nd St—Bal 3524  
 Jones, Walter Richard.....Seattle  
 LD, ME.....7034 Sycamore Av—Bal 2792  
 Jones, Zenith Watkins.....Seattle  
 LD, LA.....4703 18th Av NE—Ken 2826  
 Judd, Elsie Gillis.....Seattle  
 UD, LA.....1628 Bellevue Av  
 Jury, Jessie Belle.....Lincoln, Nebr  
 Grad.....1835 7th Av W—QA 3776

Kalbus, Helen.....Chehalis  
 UD, Sci.....1906 E 45th St—Ken 983  
 Kalin, Albert.....Seattle  
 UD, EE.....1146 Franklin Av—Cap 1822  
 Kantner, Nell Thompson.....Everett  
 Grad.....  
 Kaufman, Edith Rachel.....Bellingham  
 UD, LA.....4705 16th Av NE—Ken 98  
 Kay, Coda.....Brooklyn, Mich  
 UD, Sci.....  
 Keller, Curtis.....Centerville  
 LD, Ed.....4022 Brooklyn Av—N 1714  
 Kelley, Jane Isabel.....Walla Walla  
 LD, Sci.....4714 17th Av NE—Ken 2253  
 Kellogg, Avis.....Seattle  
 LD, Sci.....6549 10th Av NE  
 Kellogg, George Albert.....Seattle  
 LD, Ed.....6549 10th Av NE  
 Kellogg, Howard B.....Seattle  
 LD, Sci.....6549 19th Av NE  
 Kelly, Effie Louise.....Tacoma  
 Sp, LA.....4535 18th Av NE  
 Kelso, Mary Pearl.....Pullman  
 Grad.....Clark Hall, Campus—N 262

- Kenney, Joel M. .... Portland, Or  
LD, CE ..... 1116 James St—M 2080
- Kiehl, Miriam ..... Seattle  
Unc, LA ..... 421 W Galer St—QA 1138
- Kilgore, Mrs Florence Kelly ..... Seattle  
Sp, Ed ..... 4603 Orcas St—Rai 253 M
- King, Dorothy ..... Puyallup  
LD, Sci ..... 4354 8th Av NE—N 4075
- King, Herbert Baxter ..... Kerrisdale B C  
Grad ..... 5218 Univ Blvd
- King, William Arthur ..... Seattle  
Unc, Ed ..... 5010 18th Av NE—Ken 792
- Kinnear, Alice Rowe ..... Seattle  
LD, FA ..... RFD—5
- Kipp, Letha Julia ..... Seattle  
Unc, Ed ..... 4329 2nd Av NE
- Kizer, Dorothy ..... Seattle  
UD, Ed ..... 4535 18th Av NE—Ken 1429
- Kleist, Walter Albert ..... Tacoma  
UD, EE ..... 4504 16th Av NE—Ken 647
- Kline, Belle May ..... Seattle  
Sp, Ed ..... YWCA—M 7291
- Klopfert, Henrietta ..... Seattle  
UD, Sci ..... 616 21st Av N—E 4828
- Knight, Morris William ..... Seattle  
Sp, LA ..... 919 Madison, St
- Knight, Stella Hall ..... Seattle  
Grad ..... 1124 Harvard Av—E 8705
- Knudsen, Einar M. .... Seattle  
LD, Bus ..... 4119 2nd Av NE—N 3917
- Kobayashi, Hidekichi ..... Seattle  
LD, Bus ..... 214 8th Av S—Ell 4970
- Kobler, Anna Helen ..... Seattle  
LD, Ed ..... Clark Hall, Campus—N 262
- Koch, Carrie ..... Whittemore, Iowa  
LD, LA ..... 5030 Univ Blvd
- Krafft, Elizabeth Toni Gertrude ..... Spokane  
Grad ..... 4705 16th Av NE—Ken 98
- Kramer, Karl Werner ..... Seattle  
LD, ME ..... 6307 12th Av NE
- Kraus, Arthur William ..... Auburn  
LD, Bus ..... 5212 18th Av NE—Ken 887
- Kraut, Samuel Borisovitz ..... Vilne, Russia  
UD, EE ..... 3804 10th Av NE—N 1688
- Kreamer, Lena ..... Seattle  
UD, Ed ..... 1909 4th Av N—QA 2346
- Kreutz, Florence ..... Oaksdale  
Unc, Ed .....
- Kronmann, Thora Georgina ..... Seattle  
Sp, Sci ..... 1702 Palm Av—W 937 J
- Kropp, Bernard Joseph ..... Albany, Or  
Unc, Sci .....
- Kruse, Mildred Marguerite ..... Portland, Or  
LD, LA ..... 5008 16th Av NE—Ken 2066
- Krucera, John ..... Lacey  
LD, Sci ..... 2515 6th Av—Ell 4066
- Kuentzel, Evadna ..... White Rock, S Dak  
Unc, Ed ..... 4532 19th Av NE
- Kuntz, Olive ..... Pomona, Cal  
Grad ..... 4554 16th Av NE—Ken 2312
- Kyd, Margaret Stewart ..... Seattle  
UD, LA ..... 3237 85th Av S
- Leacock, Helena Gertrude ..... Tacoma  
Grad ..... 4526 16th Av NE
- Laird, Allie L. .... Seattle  
Grad ..... 6800 16th Av NE
- Lake, Adelaide Valeta ..... Eugene, Or  
Unc, LA ..... 1606 3rd Av W
- Lake, Doris ..... Iowa City Iowa  
Grad ..... 4554 16th Av NE—Ken 3212
- Lamb, Genevieve ..... Seattle  
LD, Ed ..... 1947 N Broadway—Cap 2304
- Langenbach, John Joseph ..... Malone  
3rd Law ..... 5218 Univ Blvd—Ken 3169
- Langer, Marie Thresa ..... Spokane  
Sp, Sci ..... 417 E 81st St
- Larsen, Hannah Madelyn ..... Port Townsend  
LD, Sci ..... 4543 Univ Blvd
- Larsen, Laura M. .... Superior, Wis  
LD, Ed ..... 4220 13th Av NE
- Larsen, Lillian Sybil ..... Port Townsend  
Unc, Bus ..... 4543 Univ Blvd
- Larsin, Josephine ..... Seattle  
LD, Ed ..... 2312 N 59th St
- Larssen, Kirsten ..... Seattle  
UD, Sci ..... 5228 20th Av NE—Ken 3124
- Latham, Mary Myrie ..... Seattle  
Sp, Cel ..... 1832 10th Av W—QA 3124
- Latimer, Earl Hastings ..... Seattle  
LD, EE ..... 4503 17th Av NE—Ken 236
- Lawless, Grace ..... Seattle  
UD, Ed ..... 1910 10th Av W—Q A 654
- Lee, Helen Isadora ..... Eureka, Mont  
LD, Ed ..... 5703 18th Av NE—Ken 189
- Lee, Leslie Ward ..... Fisher, Minn  
Grad .....
- Leechman, John Douglas ..... London, Eng  
UD, Lib ..... Public Library—M 2466
- Leggett, Henry J. .... Burton  
Grad ..... 4524 Corliss Av—N 698
- Lehman, Ralph ..... Aberdeen  
Unc, LA ..... 4738 Univ Blvd—Ken 787
- Lelse, John Frederic ..... Seattle  
LD, Sci ..... 348 W Nickerson St
- Lemmon, John Francis ..... Watsonville, Cal  
UD, Ed ..... 3731 14th Av NE—N 8704
- Lentz, Katherine Jane ..... Marietta, Ohio  
Grad ..... 4554 16th Av NE—Ken 3212
- Lettrick, Miss Leslie ..... Mullen, Idaho  
Sp, Sci ..... Clarke Hall, Campus—N 262
- Lichty, Ralph John ..... Spokane  
Unc, Law ..... 5038 Univ Blvd—Ken 496
- Liddell, John William ..... Olympia  
Sp, ME ..... 4555 Cal Av
- Lighthouse, Henry A. .... Friday Harbor  
Unc, EE ..... 1427 45th Av N
- Lighthouse, Margaret Christina. Friday Harbor  
Unc, Ed ..... 1427 45th Av N
- Lindblad, Nellie ..... Bellingham  
Sp, Ed ..... 1924 Terry Av—Ell 4929
- Lindbloom, Roy Eric ..... Seattle  
LD, EE ..... 323 3rd Av W—QA 3118
- Lindburg, Russell Stanton ..... Seattle  
LD, Bus ..... 4503 17th Av NE—Ken 236
- Lindsay, Annie McDonald ..... Corvallis, Or  
Grad ..... 1847 Ravenna Blvd—Ken 2505
- Lindsay, Elizabeth ..... Seattle  
Sp, Sci ..... 4532 19th Av NE—Ken 1092
- Lindsey, Theodore Clark ..... Snohomish  
Sp, Ed ..... Bybee Hotel—Main 5636
- Little, Edward Milton ..... Seattle  
Grad ..... 210 Crockett St—QA 2347
- Lloyd, Robert Denton ..... Seattle  
Sp, Sci ..... 2412 Nob Hill Av—QA 4708
- Loffield, Gabriel ..... Seattle  
Grad ..... 4254 7th Av NE—N 8795
- Logan, Ettie ..... Portland, Or  
UD, Ed ..... 4706 17th Av NE—Ken 702
- Logan, Helen ..... Boise, Idaho  
LD, Ed ..... 4530 Univ Blvd—Ken 2408
- Logan, Katherine Coffin ..... Boise, Idaho  
LD, LA ..... 4530 17th Av NE
- Long, Agnes ..... Seattle  
UD, LA ..... 3912 Lucile St—Rai 908
- Lonke, Lillian Jensine ..... Mt. Vernon  
UD, Sci ..... Hawkins Apts
- Loomis, Minerva Udell ..... Portland, Or  
UD, LA ..... 4126 Brooklyn Av—N 30
- Lorah, James Richard ..... Seattle  
LD, ChE ..... 1518 Broadway—E 1174
- Lortie, Rebecca Rose ..... Seattle  
UD, Sci ..... 722 10th Av—E 7123
- Losee, Etta ..... Seattle  
LD, LA ..... 4224 9th Av NE—N 1611

- Lethrop, Daniel J.....Seattle  
 Grad.....4742 Thackery Pl—N 2568  
 Lucas, June.....Chewelah  
 Sp, LA.....Clark Hall, Campus—N 262  
 Lucas, Mary Amanda.....Chewelah  
 Grad.....Clark Hall, Campus—N 262  
 Lundstrom, Margaret...Dala-Jarva, Sweden  
 UD, Sci.....484 Broadway Av N—Cap 1340  
 Lundy, Iris Rachel.....Seattle  
 UD, Jour.....606 17th Av N  
 Lustie, William August..Cottonwood, Idaho  
 Grad.....4529 Brooklyn Av—Ken 2022  
 Lyle, Kathleen.....Helena, Mont  
 Unc, Ed.....4535 18th Av NE  
 Lynch, Angeline.....Butte, Mont  
 LD, Ed.....4710 20th Av NE  
 Lynch, Anna M.....Butte, Mont  
 UD, Ed.....4710 20th Av NE  
 Lynch, Veronica.....Butte, Mont  
 LD, Ed.....4710 20th Av NE  
  
 McAdam, Guy James.....Vancouver, B O  
 Grad.....4752 12th Av NE—Ken 3654  
 McAdam, William Roy.....Seattle  
 UD, EE.....541 19th Av—E 8067  
 McBride, Minnie.....Helena, Mont  
 Sp, Sci.....4230 Brooklyn Av—N 1123  
 McCarney, Margaret.....Seattle  
 Grad.....RFD 4 Box 230—W 805W  
 MacClain, Albert Lewis.....Spokane  
 Unc, ME.....4532 18th Av NE—Ken 2827  
 McClure, Worth.....Seattle  
 Grad.....7320 Wright Av—W 5-J  
 McCombs, Mable Esther.....Bellingham  
 UD, Ed.....4388 11th Av NE  
 McConihe, Almee Katherine.....Seattle  
 UD, LA.....5224 19th Av NE—Ken 456  
 McConnell, Mary Emma.....Seattle  
 LD, LA.....1632 22nd Av N—E 5742  
 McConnell, William Estill.....Spokane  
 Grad.....1612 Riverside Av  
 McCoy, Elizabeth.....Oneda, Kan  
 LD, Sci.....5317 8th Av NE  
 McCracken, Willis Flowers.....Seattle  
 LD, EE.....5625 15th Av NE—Ken 276  
 McDonald, Margaret.....Portland Or  
 Grad.....4530 17th Av NE  
 McDonnell, Donald Nicholas.....Seattle  
 LD, Bus.....1923 11th Av N—Cap 2420  
 McDonnell, Edward L.....Seattle  
 Grad.....3214 17 Av S—Bea 1609  
 McFaul, Kathleen Elizabeth.....Pendleton, Or  
 Unc, Sci.....4504 18th Av NE  
 McGill, Vivian Jerauld.....Seattle  
 LD, LA.....5007 15th Av NE  
 McGill, Wayne Egbert.....Portland, Or  
 LD, Sci.....5218 Univ Blvd—Ken 3169  
 McGillvray, Max.....Seattle  
 Sp, Ed.....277 Lake Dell Av  
 McGinnis, Mrs Ethel.....Everett  
 Sp, Ed.....4115 14th Av NE  
 McGivern, Margaret.....Ontario, Or  
 Sp, Ed.....4706 Univ Blvd  
 McGoran, Irene Marian.....Merritt, B C  
 LD, FA.....4519 6th Av NE  
 McGovern, Stella Marie.....Butte, Mont  
 LD, LA.....  
 McGrath, Margaret.....Spokane  
 Sp, Ed.....  
 McGuire, Georgana M.....De Smet, Idaho  
 Sp, Sci.....Clark Hall, Campus—N 262  
 McHale, Anna Louise.....St. Anthony, Idaho  
 LD, FA.....Clark Hall, Campus—N 262  
 McHugh, Edw R.....Seattle  
 UD, LA.....2024 11th Av NE—Cap 850  
 McIntyre, Norman.....Skykomish  
 Unc, Law.....4034 14th Av NE—N 1880  
  
 McKee, George M.....Seattle  
 Grad.....4233 Bagley Av—N 3960  
 McKee, Mary Elizabeth.....Everett  
 Grad.....4524 14th Av NE—Ken 1952  
 Mackinnon, George Watson..Vancouver, B O  
 Grad.....4235 Brooklyn Av  
 Mackinnon, Helen May.....Seattle  
 LD, LA.....909 15th Av N—Cap 391  
 McManus, Agnes.....Anaconda, Mont  
 LD, Ed.....Windsor Apts—M 6680  
 McMillan, Edgar Roy..New Westminster, B O  
 Grad.....Frye Hotel—M 2680  
 McMillan, Helen Margaret..Anaconda, Mont  
 Unc, Ed.....  
 McMonagle, Grace Ella.....Seattle  
 Sp, Sci.....513 26th Av S—Bea 2889  
 McMurphy, Susannah Jane.....Tacoma  
 Grad.....  
 McPhee, Aletha Sophia.....Seattle  
 Grad.....4045 Brooklyn Av—N 2410  
 McPherson, Lela.....Springfield, Or  
 Grad.....4703 18th Av NE  
 Mackinnon, Alice Cumming...Victoria, B C  
 Sp, Sci.....4504 18th Av NE—Ken 946  
 Makinson, Viola Delphine...Osborne, Kan  
 LD, LA.....4540 17th Av NE—Ken 3218  
 Magill, Margaret.....Seattle  
 Grad.....4238 12th Av NE—N 329  
 Mahaffie, Bertha Agnes.....Mukilteo  
 Unc, Sci.....4732 21st Av NE—Ken 23  
 Mahony, Ethel.....Bremerton  
 LD, Sci.....4746 16th Av NE—Ken 401  
 Marcille, Clara Genevieve..Anaconda, Mont  
 UD, Ed.....  
 Mahoney, Vera.....Heppner, Or  
 LD, Bus.....4540 Univ Blvd  
 Majors, Irene.....Seattle  
 Grad.....706 15th Av N—E 983  
 Mallahan, Norval E.....Bothell  
 Sp, Ed.....  
 Mallery, Joseph Arthur.....Castle Rock  
 LD, LA.....1407 E 45th St—Ken 1597  
 Mallery, Mildred McClane.....Portland, Or  
 LD, LA.....1407 E 45th St—Ken 1597  
 Malloy, Kathleen Jocelyn.....Manette  
 Ud, Ed.....1906 E 45th St—Ken 983  
 Malony, John T.....Seattle  
 LD, EE.....4505 18th Av NE—Ken 333  
 Mann, Florence.....Seattle  
 LD, Bus.....1508 N 41st St—N 122  
 Mann, Mrs Ina Wheeler.....Tacoma  
 LD, LA.....  
 Mann, Julius Walter.....Tacoma  
 LD, EE.....  
 Mannings, Virgil Zenles Point Grey, P O B C  
 Grad.....4540 Univ Blvd—Ken 3216  
 Mantz, Helen O.....Seattle  
 Grad.....781 Cloverdale St  
 Marquette, Elizabeth.....Seattle  
 UD, LA.....1407 E 45th St—Ken 1597  
 Martin, Mrs Beatrice.....Everett  
 Sp, Sci.....  
 Martin, Earl B.....Tacoma  
 UD, LA.....4504 16th Av NE—Ken 647  
 Martin, Mammie A.....Tacoma  
 Sp, Ed.....4535 18th Av NE—Ken 1429  
 Matheson, Jennie Rebecca.....Seattle  
 LD, Ed.....511 Malden Av—Cap 3051  
 Matsen, Joseph.....Seattle  
 1st Law.....608 E 63rd St  
 Matson, Elveda.....Edison  
 LD, LA.....1616 E 47th St—N 149  
 Matsumoto, Takao.....Okayama, Japan  
 UD, ChE..Box 631 Univ Station—N 8797  
 Matthews, William Peters.....Klabe  
 Grad.....4305 15th Av NE—Ken 720  
 Mauermann, Bertha.....Seattle  
 Unc, LA.....1735 16th Av—E 1300

- Mead, May ..... Bellingham  
 Sp, Sci ..... Clark Hall, Campus—N 262
- Meizen, Isogaya ..... Japan  
 Grad ..... 1111 Washington St
- Melis, Fannie Elizabeth ..... Mt. Or  
 LD, LA ..... Clark Hall, Campus—N 262
- Mencely, Alexander Howard ..... Seattle  
 LD, Bus ..... 601 Belmont Av N—Cap 1949
- Merriam, Sherman Lee ..... Noonsack  
 LD, Sci ..... 4532 18th Av NE—Ken 2827
- Messinger, Clarence Ross ..... Vancouver, B C  
 Sp, Ed
- Meyer, Ambrose J. .... Colfax  
 LD, Sci ..... 7003 Palatine—Bal 434
- Meyer, Catherine J. .... Ephrata  
 Sp, Ed ..... 1906 E 45th St—Ken 1983
- Michea, Marie Anonette ..... Seattle  
 UD, Ed ..... 5247 1/2 14th Av NE—Ken 4442
- Mileham, Bessie Sipes ..... Chickasha, Okla  
 UD, LA ..... 4230 14th Av NE—N 1774
- Milkoski, Eleanor Cyrylla ..... Mondak, Mont  
 Sp, Ed ..... 912 W 49th St
- Millard, Mrs Bertha ..... Seattle  
 LD, Phar ..... 5412 20th Av NE
- Miller, Harry D. .... Spokane  
 Unc, Ed ..... 1319 E 43rd St
- Miller, Herbert G. .... The Dalles, Or  
 Sp, Ed ..... 5011 15th Av NE
- Miller, Sylvia Alice ..... Tobias, Nebr  
 Grad ..... 4530 Univ Blvd
- Millicam, Grace Darling ..... Camano  
 LD, FA ..... 4543 17th Av NE
- Milligan, Euranla Cynthia ..... Kansta City, Mo  
 Unc, Ed
- Minahan, Campbell ..... Seattle  
 LD, Sci ..... 733 17th Av N—E 4061
- Minard, Clara Louise ..... Elma  
 Grad ..... 4125 Brooklyn Av—N 39
- Minnis, Marjorie Elizabeth ..... Seattle  
 Grad ..... 1931 4th av W
- Minnis, Mrs. Rose L. .... Seattle  
 Sp, Ed ..... 1031 4th av W
- Mitchell, Ruby ..... Seattle  
 UD, FA ..... 4321 Eastern Av—N 4099
- Mitchell, William McGavock ..... Spokane  
 LD, Sci ..... 4502 17th Av NE—Ken 291
- Mitton, Charlotte, Howe ..... Kallispell, Mont  
 Unc, Ed ..... Clarke Hall, Campus—N 262
- Moffett, Edith Pauline ..... Woodinville  
 Grad ..... 4220 12th Av NE—N 3392
- Mohr, Esther ..... Seattle  
 LD, LA ..... 522 24th Av S—Bea 3460
- Monis, Carrie A. .... Tacoma  
 Unc, LA ..... 4535 18th Av NE—Ken 1429
- Mantague, Eunice Elizabeth ..... Seattle  
 LD, LA ..... 1027 Bellevue Court—Cap 1625
- Moore, Gerald Edward ..... Seattle  
 LD, Mines ..... 1705 18th Av S—Bea 1606
- Moore, Byron Carr ..... Seattle  
 LD, Sci ..... 1906 E 45th St—Ken 2171
- Moore, Anne L. .... Butte, Mont  
 LD, LA ..... 4524 10th Av NE—Ken 199
- Moore, Felix E. .... The Dalles, Or  
 Grad ..... Metropolitan Apts
- Moore, Helen S. .... Seattle  
 Grad ..... 4548 14th Av NE
- Moore, Sarah Magdalene ..... Great Falls, Mont  
 Sp, Ed ..... 1306 Terry Av—M 3241
- More, Luther ..... Tacoma  
 Unc, Ed ..... 4532 18th Av NE
- Morehouse, Dorothy ..... Seattle  
 UD, LA ..... 1822 E 55th St—Ken 2352
- Moriarty, Charles P. .... Seattle  
 2nd Law ..... 353 18th Av
- Morris, John ..... Seattle  
 Unc, Law ..... 117 Taylor Av
- Morrison, Alice ..... Corvallis, Or  
 Grad ..... 4000 19th Av NE—N 1856
- Morrison, Mary Marvin ..... Frankfort, Ind  
 Unc, LA ..... 4524 19th Av NE
- Morton, Lucie Wellington ..... Seattle  
 UD, LA ..... 911 Liberty Court
- Moser, Celesta May ..... Ellensburg  
 Unc, LA ..... 4632 21st Av NE—Ken 26
- Mountjoy, Velma Ruth ..... Kallispell, Mont  
 Unc, Ed ..... Clark Hall, Campus—N 262
- Mosseau, Elizabeth White ..... Seattle  
 Sp, LA ..... 4242 11th Av NE—N 1732
- Mueller, Eugene A. .... Seattle  
 Sp, Law ..... 4325 15th Av NE—Ken 3452
- Mulligan, Agnes Anna ..... Seattle  
 Sp, Bus ..... 602 15th Av N—E 6369
- Munro, Harry C. .... Tacoma  
 Grad
- Murchison, Mary Kathleen ..... Seattle  
 Grad ..... 740 16th Av N—E 4090
- Murneek, Andrew Edward ..... Corvallis, Or  
 Grad
- Myer, Edna Marguerite ..... Seattle  
 Grad ..... QA 270
- Myers, Donald P. .... Seattle  
 Sp, Bus ..... 1504 36th Av—E 5940
- Myers, Elmer Walter ..... Vashon  
 LD, Sci ..... Barracks, Campus—N 55
- Myers, Margaret ..... Seattle  
 Grad ..... 1504 36th Av—E 5940
- Mykland, Albert ..... Everett  
 Grad ..... 4522 18th Av NE
- Naugle, Fern Elizabeth ..... Seattle  
 LD, Ed ..... Lewis Hall, Campus—N 162
- Neary, Raymond ..... Lucy  
 LD, Sci ..... 1103 Market St
- Needham, George Herbert ..... Seattle  
 LD, Phar ..... 2608 Mayfair Av—QA 1935
- Needham, Oliver B. .... Seattle  
 Grad ..... 7025 18th Av NE
- Neergard, Ashenfeller Christine ..... Seattle  
 UD, Ed ..... 1615 15th Av
- Neill, May ..... LaGrande, Or  
 Grad ..... 4524 10th Av NE—Ken 199
- Nelson, Arthur Edward ..... Seattle  
 Sp, Sci ..... 1743 Summit Av—E 7757
- Nelson, Earl Calvin Matzan ..... Seattle  
 UD, LA ..... 1811 7th Av W—QA 508
- Nelson, Jennie Irene ..... Butte, Mont  
 Grad ..... 1906 E 45th St—Ken 983
- Nelson, Pearl ..... Helena, Mont  
 Sp, Ed ..... 1232 42nd Av
- Nelson, Valley Lily ..... Tacoma  
 LD, Sci ..... Lewis Hall, Campus—N 162
- Ness, Nels Arthur Bernhardson ..... Tacoma  
 UD, Ed ..... 5812 15th Av NE—Ken 3467
- Nethercut, Katherine ..... Lake Geneva, Wis  
 LD, Ed ..... 4211 12th Av NE
- Newton, Cornelia B. .... Seattle  
 UD, LA ..... 4418 53rd Av SW—W 474-M
- Nichols, Walter Robert ..... Snoqualmie  
 UD, LA ..... 4718 20th Av NE—Ken 2815
- Nicholson, Leo Stanley ..... Heppner, Or  
 LD, LA
- Nicoll, Phila ..... Portland, Or  
 Unc, LA ..... 4708 18th Av NE
- Noonan, Viola A. .... Kallispell, Mont  
 Grad ..... 4705 16th Av NE
- Norris, Harriet ..... Bellevue  
 Unc, Sci ..... 4740 16th Av NE—Ken 401
- Nodwood, Annie ..... Seattle  
 UD, LA ..... 740 22nd Av N—E 5509
- Nottingham, Virginia Lee ..... McMinnville, Or  
 LD, Ed ..... Lewis Hall, Campus—N 162
- Nugent, Clara Loretta ..... Seattle  
 Unc, Sci ..... 117 22nd Av—Bea 3257
- Nugent, Agnes Margaret ..... Portland, Or  
 LD, Sci ..... 4045 Brooklyn Av—N 2416
- Nylander, Towne Joseph ..... Seattle  
 LD, Ed ..... 1514 Boren Av—Ell 1813W

Oakley, Enola Inez.....Seattle  
 Sp, Ed.....1722 W 59St—Bal 671  
 Ober, John E.....Seattle  
 LD, Bus.....115 Olympic Pl—QA 3991  
 O'Brien, Katherine Clare.....O'Brien  
 Unc, Ed.....  
 O'Brien, Mrs. Hazel B.....Sequim  
 Sp, Ed.....4115 Brooklyn Av—N 865  
 O'Keefe, Valeska Jessie.....Seattle  
 LD, Sci.....2117 E 55th St—Ken 2333  
 Olin, Erma Evelyn.....Bothell  
 Grad.....Bothell  
 Olmsted, Marion Cornish.....Withrow  
 UD, Ed.....4061 6th Av—N 3252  
 Olsen, Leah Ingebon.....Tacoma  
 Unc, LA.....4706 17th Av NE—Ken 702  
 Olson Lillian Eleanor.....Mt. Vernon  
 LD, Sci.....4732 21st Av NE—Ken 20  
 Olson, Peter.....Tacoma  
 LD, ME.....YMCA—M 5208  
 Ostrander, Raymond Everett.....Seattle  
 Unc, Law.....4616 21st Av NE—Ken 490  
 Ostrander, Ruth Elizabeth.....Seattle  
 LD, Sci.....1802 E 55th St—Ken 1350  
 Otis, Blanche M.....Spokane  
 Unc, LA.....4524 17th Av NE  
 Overman, Marion Gray.....Pullman  
 Grad.....Clark Hall, Campus—N 262  
 Owen, Evelyn Claire.....Seattle  
 UD, LA.....4354 8th Av NE—N 4075  
 Owsley, Joseph Hamilton.....Seattle  
 Unc, CE.....2910 E Spring St—E 5247  
  
 Palmer, Paul.....Seattle  
 LD, LA.....4522 18th Av NE  
 Pankratz, Bertha.....Manitowoc, Wis  
 UD, Ed.....4759 Brooklyn Av—Ken 2838  
 Parker, Catherine Anna.....Seattle  
 Grad.....4732 19th Av NE—Ken 1251  
 Parsons, Elvey T.....Seattle  
 UD, LA.....1814 E 70th St  
 Patchin, Wilber Harmon.....Seattle  
 Grad.....3927 11th Av NE—N 1645  
 Patterson, Olive E G.....Everett  
 LD, Ed.....  
 Payne, Blanche.....Seattle  
 Grad.....5728 17th Av NE—Ken 1033  
 Peake, Ora.....Portland, Or  
 Grad.....  
 Pedroni, Victor.....Italy  
 Unc, Ed.....4223 11th Av NE  
 Perkins, Gwendolyn.....Seattle  
 LD, Ed.....1407 E 45th St  
 Perlin, Solomon.....Russia  
 Sp, CE.....Mufti Club, Campus—N 55  
 Perry, Mary Agnes.....Everson  
 UD, LA.....4557 Brooklyn Av—Ken 1948  
 Peterson, Anna Jacobine.....LaConner  
 Sp, Ed.....4532 19th Av NE  
 Peterson, Frank W.....Bellingham  
 Grad.....5038 18th NE—Ken 1103  
 Peterson, Hans Jorden.....Ogden, Utah  
 Grad.....3967 15th Av NE  
 Peterson, Inez Helena.....Seattle  
 UD, LA.....320 E 53rd St—Ken 2078  
 Peterson, Lot C.....Renton  
 Unc, Ed.....Renton  
 Peterson, Elvira Mabel.....Portland, Or  
 Sp, LA.....4524 19th Av—Ken 199  
 Peterson, Pearl.....Benson, Minn  
 Unc, Ed.....4532 19th Av NE  
 Peterson, Philip Leonard.....Spokane  
 UD, LA.....5212 18th Av NE—Ken 887  
 Peterson, Sophie.....Winslow  
 Unc, FA.....4217 10th Av NE  
 Petring, Catherine Isabel.....Lincoln, Nebr  
 Unc, LA.....Clark Hall, Campus—N 262

Pettigrew, Mrs. Mary E Lynch..Brady, Mont  
 LD, Ed.....4710 20th Av NE  
 Peyser, Ethan Allen.....Cedarhurst  
 1st Law.....4504 16th Av NE  
 Phelps, Grace Marie.....Dryad  
 LD, Sci.....4538 16th Av NE—Ken 1482  
 Phelps, Vera May.....Dryad  
 UD, Sci.....4538 15th Av NE—Ken 1482  
 Philippi, Harry Claire.....Bellingham  
 Grad.....4342 Brooklyn Ave  
 Phillips, Alfred Barrow.....Vancouver  
 LD, LA.....4550 18th Av NE—Ken 3072  
 Phillips, Ruth N.....Seattle  
 UD, Sci.....1407 E 45th St—Ken 1743  
 Pierson, Teckia.....Priest River, Idaho  
 Grad.....2012 E 45th St  
 Pitt, Mildred Esther.....Seattle  
 Grad.....4330 10th Av NE—Ken 2048  
 Pittman, William Henry.....Latah  
 Unc, Ed.....  
 Pitts, Edith.....Seattle  
 Sp, Ed.....525 Summit Av N—Cap 1970  
 Pitzer, Cary J.....Tacoma  
 Sp, F.....708 E Denny Way—Cap 556  
 Platt, Imogene Bash.....Seattle  
 Grad.....7107 Rainier Av—Ral 945-R  
 Pobleto, Eusebio.....Nalcoevite  
 Sp, Sci.....YMCA—M 5208  
 Poessel, Ida Francesca.....Langley  
 Sp, Sci.....4211 12th Av NE  
 Pollock, Dorothea.....Spokane  
 UD, LA.....4540 17th Av NE—Ken 3216  
 Pollock, James Robert..Point Grey, P O, B C  
 Sp, Ed.....4551 Univ Blvd  
 Porter, George Neyman.....Seattle  
 Grad.....432 16th Av N  
 Posner, Max.....Russia  
 Sp, CE.....Mufti Club, Campus—N 55  
 Potter, Mrs Sue.....Naches  
 LD, FA.....4535 18th Av NE  
 Powers, Anna M.....Lewiston, Mont  
 Unc, Ed.....Clark Hall, Campus—N 262  
 Powers, Mary Madeleine.....Seattle  
 LD, Sci.....5413 21st Av NE—Ken 2790  
 Prescott, Mildred Emmeline.....Seattle  
 LD, LA.....5254 12th av NE—Ken 2379  
 Pressentin, Marie Olga.....Seattle  
 UD, Bus.....5016 12th Av NE—Ken 1608  
 Prichard, Milton.....Burton  
 UD, ED.....Red 861  
 Priest, Arthur R.....Seattle  
 Grad.....4709 16th Av NE—Ken 1292  
 Pritchett, Charles Spurgeon.....Seattle  
 Unc, LA.....616 Seneca St—Ell 1765  
 Proctor, Margaret Emily.....Lincoln, Nebr  
 Grad.....9350 52nd Av S  
 Proctor, Muriel Esther.....Seattle  
 Grad.....6406 Brooklyn Av—Ken 1379  
 Puffer, Floyd Arthur.....Seattle  
 Grad.....3703 3rd Av W—QA 3498  
 Pugh, Louise Katherine.....Seattle  
 UD, Ed.....833 44th Av N—E 4933  
 Pyne, Mrs Agnes.....Litchfield, Minn  
 LD, Ed.....716 N 45th St—N 1607  
  
 Quackenbush, Mary Betta.....Seattle  
 Sp, Sci.....115 Harvard Av N—Cap 740  
 Quale, Allen W.....Seattle  
 Sp, Ed.....812 21st Av S  
  
 Rabenau, Mrs George Catherine.....Seattle  
 Sp, Ed.....4244 10th Av NE—N 1173  
 Ramsdell, Ruby C.....Seattle  
 Grad.....5521 15th Av NE—Ken 3549  
 Ramthun, Lucile Laura.....Chehalis  
 LD, LA.....4548 17th Av NE—Ken 2934

- Raney, Grace.....Seattle  
LD, LA.....4528 7th Av NE—N 375
- Rasmussen, George V.....Seattle  
LD, Ed.....1134½ Eastlake Av
- Rasmussen, Violet.....Portland, Or  
UD, LA.....1016 E 47th St—Ken 149
- Ravn, Clara Iza.....Everett  
Sp, LA
- Records, Lola Evelyn.....Boise, Ida  
Sp, Ed.....2012 E 45th St
- Redford, Walter.....Steptoe  
Unc, Ed.....700 30th Av—E 7023
- Redmond, Harold V.....Seattle  
LD, CE.....1508 Grand Blvd
- Reed, Clyde L.....Ferndale  
LD, LA.....Ferndale
- Reed, Jennie Mabel.....Tacoma  
UD, Ed.....4704 18th Av NE—Ken 119
- Rencke, Gertrude M.....Seattle  
Unc, Sci.....789 Bellevue Av N—Cap 876
- Rensing, Herman.....Seattle  
Sp, Ed.....4121 14th Av NE—N 745
- Rhodes, Nell Linn.....Wesler, Ida  
Sp, LA
- Richards, Harold H.....Tacoma  
LD, LA.....2412 Boyleston Av N—Cap 3780
- Richards, Walter Nelson.....Seattle  
LD, LA.....414 W Galer St—QA 2878
- Richardson, George Bible.....Seattle  
LD, CE.....5243 19th Av NE—Ken 3460
- Richardson, Margaret.....Spokane  
UD, LA.....4508 16th Av NE—Ken 2703
- Richardson, Mary Haazen.....Portage  
LD, LA.....3700 E 44th St
- Richmond, Agnes N.....Renton  
Unc, Law.....Renton
- Riegel, Roberta Myrtle.....Omak  
Grad.....2012 E 45th St—Ken 2645
- Riggs, Janet Wood.....Wheatland, Wyo  
UD, LA
- Rind, Rudla.....Seattle  
UD, Sci.....1702 1st Ave N—QA 1710
- Risser, Mrs A B.....Chema, Or  
Grad
- Ritchie, Helen Mae.....Prosser  
UD, LA.....4551 17th Av NE—Ken 501
- Roach, Zelma.....Seattle  
LD, LA.....522 E 74th St—Ken 2264
- Robb, Helen.....Seattle  
Grad.....4032 10th Av NE—N 3542
- Robbins, Morris Allen.....Seattle  
2nd Law.....1916 E Fir St
- Roberson, Helen.....Olympia  
Unc, Bus.....925 E Marion St—E 6455
- Robertson, Katherine C.....Seattle  
Grad.....4223 9th Av NE—Bea 83
- Robinson, Bessie May.....Portland, Or  
UD, LA.....Clark Hall, Campus—N 262
- Robinson, Fred O.....Seattle  
Unc, ME.....504 E Denny Way
- Robinson, Veryl.....Seattle  
Grad.....4540 Brooklyn Av—Ken 1043
- Rochester, Lettie Lee.....Castle Rick  
UD, Ed.....5211 16th Av NE—Ken 3024
- Rogers, Edna Echo.....Yakima  
Sp, Bus.....4726 14th Av NE
- Rogers, Florence Aileen.....Spokane  
UD, Jour.....4504 18th Av NE—Ken 146
- Rohden, Elizabeth Helen.....Bellevue  
Grad.....Bellevue
- Rohr, Harvey Vaughn.....Abilene, Kans  
LD, Bus.....4530 14th Av NE—Ken 555
- Rose Elizabeth M.....Everett  
Sp, Ed.....4115 14th Av NE
- Rosen, Hilda Florence.....Monroe  
UD, Ed.....2012 E 45th St—Ken 2645
- Rosenstein, Jule.....Seattle  
UD, Bus.....Windsor Apts—M 6830
- Rosenthal, Roy Gilbert.....Seattle  
UD, LA.....1143 14th Av—E 5485
- Ross, Cecil John.....St Helens, Or  
LD, Sci.....8605 55th Av S—Rai 207-R
- Ross, Ethel.....Seattle  
UD, LA.....2136 N 62nd St
- Round, William Marvin.....Ilwaco  
Sp, LA
- Rowe, Adeline Lee.....Seattle  
Unc, Bus.....2012 E 45th St—Ken 2540
- Rowe, Rhodes Blanche.....Longmont, Colo  
Unc, LA.....1408 E 42nd St—N 48
- Russell, Beulah Henrietta.....Seattle  
Grade.....5528 15th Av NE—Ken 1702
- Russell, Pearl Elizabeth.....Seattle  
UD, LA.....5528 15th Av NE—Ken 1702
- Ryan, Francis Milton.....Seattle  
UD, EE.....4524 Univ Blvd—Ken 721
- Rye, Kathleen.....La Grande, Or  
Unc, FA.....4524 10th Av NE
- Sabin, Royland Glenn.....Coupeville  
LD, Ed.....4200 6th Av NE
- Sahlboim, Eureka.....Lake Stevens  
Grad.....4524 19th Av NE
- Salmon, Grace.....Coalville, Utah  
Sp, LA.....4539 5th Av NE
- Sanders, Grace.....Seattle  
LD, LA.....2552 Glenridge Drive
- Sandstedt, Etta May.....Seattle  
UD, LA.....1108 2nd Av N—QA 884
- Sater, Gertrude Pauline.....Seattle  
Grad.....411 E Thomas St—Cap 758
- Saunders, John.....Seattle  
UD, LA.....4505 18th Av NE—Ken 333
- Saunders, Lucille.....Seattle  
Grad.....3651 Whitman Av—N 2637
- Savage, Lloyd Reuben.....Seattle  
3rd Law.....3022 W 59th St—Bal 2709
- Schirrmann, Sara Isabel.....Urban, Sinclair Is  
UD, Ed.....4206 Brooklyn Av
- Schlauch, Gustav Hermann.....Opportunity  
Grad.....4143 11th Av NE
- Schlauch, Nell Burger.....Opportunity  
Unc, LA.....4143 11th Av NE
- Schlepppegrell, Dollie M.....Melstone, Mont  
LD, LA.....4704 18th Av NE—Ken 2826
- Schmelz, Augusta Henrietta.....Pittsburg, Penn  
Unc, Sci.....
- Schoettler, Miriam Chapman.....Seattle  
Unc, Ed.....4310 Latona Av—N 3726
- Schofield, Mary Gwendolyn.....Seattle  
LD, LA.....750 16th Av N—E 2396
- Schuck, Katherine Anna.....Seattle  
LD, Sci.....4114 Interlake Av—N 489
- Schlanger, Manfred.....Seattle  
UD, Sci.....112 E Thomas St—Cap 1735
- Schumacher, Edna C.....Bellingham  
LD, FA.....4542 14th Av NE—Ken 1932
- Schutz, Carol Lillian.....Blandinsville, Ill  
Grad.....1616 E 47th St—Ken 149
- Scott, Burton Foote.....Oakely, Kans  
UD, LA.....4504 10th Av NE—Ken 647
- Seougal, Laura.....Seattle  
LD, Sci.....1560 Blewett St—N 1462
- Semon, Waldo Lonsbury.....Seattle  
UD, ChE.....4524 Corlies Av—N 698
- Shafer, Zoe A.....Yakima  
UD, Ed.....4530 Univ Blvd
- Shank, Charles Howard.....Seattle  
LD, Sci.....Barracks, Campus—N 55
- Shannon, James F.....Mt. Erie, Ill  
Unc, LA.....4340 11th Av NE—Ken 813
- Shapero, Scotland Ezra.....Seattle  
Unc, Law.....4306 Whitman Av
- Sharp, Mary Cortis.....Seattle  
Sp, Bus.....4547 10th Av NE—Ken 23

Shea, Catherine Maud.....	Pittsburg, Penn	UD, Sci
Shea, Stella.....	Kansas City, Mo	LD, Ed.....4724 16th Av NE—Ken 440
Sheahan, Myrtle.....	Thornton	Unc, Ed.....4524 19th Av NE—Ken 190
Shelton, Edward M Jr.....	Seattle	UD, Sci.....2904 Franklin Av—Cap 1475
Shelton, Lucy Mather.....	Seattle	Grad.....4502 12th Av NE—Ken 1680
Shephard, Aileen Ordell.....	Winslow	Grad
Shields, Eva Amanda.....	Milton, Or	UD, Sci.....Clark Hall, Campus—N 262
Shimidzu, Hisao.....	Japan	Grad.....1043 Main St—Ell 5157W
Shirky, Emily Frances.....	Norborne, Mo	Grad.....4534 Univ Blvd—Ken 2096
Shoemaker, Herbert Curtis.....	Spokane	UD, LA.....4550 18th Av NE—Ken 3072
Shull, Renata M.....	St Joseph, Mo	LD, LA.....4110 11th Av NE
Shumway, Antoinette.....	Glendale	Grad.....Kirkland—Black 321
Shumway, Ruth Katherine.....	Glendale	UD, Ed.....Kirkland—Black 321
Siemens, Lydia Jane.....	Othello	Unc, Ed.....2012 E 45th St
Siemens, May.....	Othello	UD, Sci.....2012 E 45th St
Sievers, Ruth.....	Butte, Mont	LD, LA.....4714 19th Av NE—Ken 2761
Sigmond, Arthur Leonard.....	Phila., Penn	LD, Bus.....319 N & 8th St—N 2330
Siler Lillie May.....	Seattle	LD, Sci.....604 E 45th St—N 3485
Silver, Miriano Hannah.....	Seattle	LD, Ed.....2014 E Cherry St—E 1185
Simon, Henerlotte Rebecca.....	Butte, Mont	LD, Bus.....4832 21st Av NE—Ken 26
Simpson, Lurline Violet.....	Seattle	UD, LA.....1912 10th Av N
Simpson, Nettie V.....	Boise, Idaho	Unc, Ed.....4535 18th Av NE—Ken 1420
Singer, Fred John.....	Seattle	UD, EE.....4103 38th Av S—Ral 295-J
Sinsel, Alma.....	Boise, Idaho	UD, LA.....4530 17th Av NE
Skene, Lucille Blanche.....	Portland, Or	UD, Ed.....4542 19th Av NE
Slack, Gwenne Hampton.....	Seattle	Unc, EE.....5027 15th Av NE
Slaughter, Walter Dane.....	Coulee City	Unc, Ed.....5018 19th Av NE—Ken 1147
Slemmons, Wilbert Sherwood.....	Ellensburg	Grad.....4532 18th Av NE—Ken 2827
Small, Robert Dyer.....	Seattle	LD, ChE.....5235 22nd Av NE—Ken 3694
Smith, Abigail Jean.....	Seattle	Unc, Sci.....1616 E 47th St—Ken 49
Smith, Adeline Naomi.....	Spokane	Grad.....4554 10th Av NE—Ken 3212
Smith, Dorothy.....	Gold Hill, Or	LD, LA.....4547 19th Av NE—Ken 23
Smith, Edith Ralston.....	Tacoma	LD, Ed.....4535 18th Av NE
Smith, Emma.....	Twain Falls, Idaho	LD, FA.....2012 E 45th St
Smith, Glenard Dexter.....	Seattle	Sp, Bus.....YMCA—M 5208
Smith, Hazel Lucretia.....	Redmond	Sp, Sci
Smith, Mrs. Josephine Mohs.....	Wallace, Idaho	Sp, Sci.....Clark Hall, Campus—N 262
Smith, Kirby Jackson.....	Adna	Unc, Ed.....4532 18th Av NE—Ken 2827
Smith, Laura.....	So. Bend	LD, Sci.....5251 19th Av NE—Ken 897
Smith, Lillian E.....	Spokane	Unc, Ed.....4534 10th Av NE—Ken 2455
Smith, Madelein.....	South Bend	LD, LA.....5251 19th Av NE
Smith, Mary Irvetta.....	Longmont, Colo	Grad.....914 E 42nd St—N 1795
Smith, Pearl.....	Prosser	Unc, Bus.....1404 E Harrison—Cap 1151
Smith, Priscilla Margaret.....	Spokane	UD, LA.....Clark Hall—N 262
Smith, Truman W.....	Seattle	Grad.....4203 11th Av NE—N 2304
Smith, Virgil.....	Boise, Idaho	LD, LA.....YMCA Campus
Snow, Lola.....	Seattle	UD, Sci.....3039 15th Av W—QA 1725
Soule, Nadine.....	Seattle	UD, Ed.....4532 19th Av NE—Ken 1092
Sparks, Percy Spencer.....	Lake Bay	Grad.....4200 6th Av NE
Sparling, Robert.....	Vancouver, B C	Sp, Ed.....1422 37th Av
Speer, Ernest Dewitt.....	Seattle	UD, Ed.....YMCA Campus—N 55
Spees, Florence L.....	Spokane	LD, LA.....Clarke Hall, Campus—N 262
Spencer, Ralph Wellington.....	Cle Elum	LD, CE.....Castle Club, Barracks—N 55
Spencer, Rhodes Vaughn.....	Seattle	UD, EE.....5206 12th Av NE—Ken 998
Spencer, Robinson.....	Seattle	Grad.....6019 28th Av NE
Spieslike, Daisy Marietta.....	Seattle	UD, Educ.....2215 Bigelow Av
Spanogle, Emma A.....	Pt Orchard	Sp, Phar.....4018 Brooklyn Av—N 1264
Spurgeon, Stella M.....	Seattle	Sp, Sci.....4031 8th Av NE—N 3558
Spurling, Dorothy.....	Bonnars Ferry, Idaho	Grad.....4524 19th Av NE—Ken 190
Stacey, Edith Mildred.....	Seattle	Grad.....5211 16th Av NE—Ken 3624
Stacey, Iva Morgan.....	Spokane	Unc, Sci.....5211 16th Av NE—Ken 3624
Stack, May Bethel.....	Walla Walla	Grad.....4504 18th Av NE
Starr, Anita Elizabeth.....	Walla Walla	UD, Sci.....2012 E 45th St—Ken 2045
Stearns, Josephine.....	Ellensburg	UD, Sci.....Lewis Hall, Campus—N 162
Steelman, Charlotte.....	Hoquiam	Grad.....4547 10th Av NE—Ken 28
Steelman, Mildred.....	Salt Lake City, Utah	Grad.....4547 19th Av NE—Ken 23
Steinke, Pearl Accna.....	Glasgow, Mont	LD, Ed.....3944 14th Av NE
Stern, Fred R.....	Seattle	LD, EE.....116 Fairview Av
Stevalley, Calvin.....	Tacoma	Sp, LA.....4115 18th Av NE
Stevens, Anna Leach.....	Seattle	UD, LA.....220 10th Av—M 5129
Stevens, Belle Alice.....	Maltby	Grad.....Lewis Hall, Campus—N 162
Stevens, Carolyn Augusta.....	Seattle	LD, Ed.....1712 Belmont Av—E 897
Stevens, Lillie Christina.....	Tacoma	LD, LA.....4540 Univ Blvd
Stevenson, De.....	Seattle	UD, Sci.....1207 Ravenna Blvd—Ken 246
Stiles, Merritt Henry.....	Tacoma	LD, LA.....4520 21st Av NE—Ken 2600
Stoelting, George M.....	Seattle	Sp, Bus.....118 Republican St
Storlie, Carl J.....	Tacoma	Grad.....4045 Brooklyn Av
Strachan, Alexander.....	Garfield	Grad.....4551 17th Av NE



- Strachan, Dorothy.....Garfield  
Grad.....4551 17th Av NE  
Strachan, Mary H.....Garfield  
Sp, LA.....4551 17th Av NE  
Straight, Robert.....Vancouver, B C  
Sp, Ed.....931 63rd Av W  
Strain, Isabel.....Seattle  
UD, LA.....312 Nob Hill Av  
Strate, Johanna.....Seattle  
Unc, Ed.....1516 E Prospect St—E 5020  
Streator, Gertrude Inez.....Seattle  
Grad.....1726 15th Av—E 900  
Struble, Mildred Clara.....Spokane  
Grad.....4723 18th Av NE—Ken 2766  
Sullivan, Nell.....Seattle  
Unc, Ed.....5032 18th Av NE—Ken 3605  
Swale, Jack Bracy.....Everett  
3rd Law.....9th and Columbia  
Swanson, Esther E.....Everson  
Unc, LA.....4557 Brooklyn Av—Ken 1948  
Swartz, Florence Wilma.....Seattle  
Grad.....5703 18th Av NE—Ken 189  
Swartz, Gladys.....Seattle  
LD, LA.....5703 18th Av NE  
Swartzlander, Kate.....Omaha, Nebr  
Sp, LA.....6520 Latona Av—Ken 1986  
Swatman, Charlotte.....New Plymouth, Idaho  
Grad.....4524 Univ Blvd  
Swatman, Lillian.....New Plymouth, Idaho  
Grad.....4524 Univ Blvd
- Tada, Enrichi H.....Seattle  
Unc, CE.....4110 12th Av NE  
Taft, Harriet Elizabeth.....Melstone, Mont  
Sp, Ed.....4703 18th Av NE—Ken 2826  
Tajaka, Ben K.....Japan  
UD, EE.....4110 12th Av NE  
Tait, Eva Celesta.....Seattle  
LD, Ed.....2320 33rd Av S—Bea 731  
Talbot, Archibald Weatherbee.....Spokane  
LD, Bus.....4503 17th Av—Ken 236  
Tanner, Josephine.....Seattle  
LD, Ed.....3731 14th Av NE—N 3704  
Taylor, Collin Alexander.....Seattle  
LD, EE.....4757 42nd Av S—Ral 460-W  
Taylor, Faith Elizabeth.....Anacortes  
LD, LA.....Clark Hall, Campus—N 262  
Taylor, Margaret Sophia.....Seattle  
LD, LA.....6004 6th Av NW—Bal 1333  
Taylor, Rose Whitlock.....Kansas City, Mo  
Sp, Sci.....1016 E 47th St—Ken 149  
Taylor, Roy.....Seattle  
UD, Bus.....5043 16th Av NE—Ken 2334  
Temper, Mary S.....Tacoma  
Sp, LA.....4532 10th Av NE—Ken 1092  
Templeton, Mary Echo.....Anaconda, Mont  
Sp, LA.....  
Templeton, Myrtle May.....Anaconda, Mont  
LD, LA.....  
Terri, Corwin Leroy.....Kennewick  
LD, Bus.....Loyal Heights—Bal 272  
Tiel, Cordella M.....Seattle  
Sp, Law.....4825 Austin St  
Thomadsen, Leroy Nelson.....Seattle  
LD, Mines.....5212 18th Av NE—Ken 887  
Thomas, Jessie Breniser.....Ferndale  
LD, ChE.....5243 19th Av NE—Ken 3460  
Thomas, Ruth Katherine.....Walla Walla  
Grad.....4508 16th Av NE—Ken 2708  
Thompson, Anna May.....Kansas City, Mo  
LD, LA.....4724 16th Av NE—Ken 440  
Thompson, Effie Clara.....Danville, Ind  
Grad.....4543 Univ Blvd  
Thompson, Elizabeth R.....Portland, Or  
UD, Sci.....1408 E 42nd St—N 48  
Thompson, Janet Clarissa.....Everett  
Sp, Educ
- Thompson, Charlotte Louis.....Scotland  
Grad.....1906 E 45th St  
Thoren, Amy Johanna Aurelia.....Seattle  
LD, Ed.....Lewis Hall, Campus—N 162  
Todd, Alice Marie.....Spokane  
Sp, LA.....4518 Univ Blvd—Ken 96  
Todd, Marcielle Ruth.....Seattle  
UD, Sci.....268 E 42nd St—N 1098  
Tolmie, Jack Roderick.....Seattle  
UD, EE.....1213 Columbia St—M 1804  
Tenowske, Elva Bittner.....Spokane  
Unc, LA.....4534 10th Av NE—Ken 2455  
Toner, Colice Richardson.....Aberdeen, Idaho  
Unc, Bus  
Tooker, Tolle.....Port Discovery  
UD, Ed.....238 Eastlake Av—Cap 2531  
Towne, Eleanor Mitchell.....Seattle  
Grad.....616 Terry Av  
Towns, Lola Dale.....Seattle  
Unc, Sci.....2310 1/2 E 51st St  
Traversa, Louis B.....Everett  
LD, Ed.....4546 15th Av NE  
Trimble, Leota Mae.....Toppenish  
Grad.....1616 E 47th St—Ken 149  
Troth, Dennis C.....Seattle  
UD, Ed.....1503 18th Av N  
Troyer, Vida May.....Boise, Idaho  
LD, Ed.....2012 E 45th St—Ken 2645  
Trukositz, Elizabeth.....Spokane  
UD, LA.....4543 17th Av NE  
Tucker, Mrs Mary Elizabeth.....Newport, Ky  
Grad.....Hotel Madison  
Tucker, Ruth Elizabeth.....Seattle  
Grad.....4531 Latona Av—N 1610  
Turnaciff, Mary Lucille.....Seattle  
Unc, Phar.....4551 Univ Blvd—Ken 501  
Turner, Laura Ann.....Oshkosh, Wis  
UD, Sci.....4535 18th Av NE—Ken 1429  
Twinn, Louise Elinor.....Walla Walla  
Grad.....4503 16th Av NE  
Twombly, Margaret Marie.....San Jose, Calif  
Grad.....1616 E 47th St—Ken 149
- Ulleland, Astrid Olive.....Kent  
Grad.....1500 7th Av N—QA 2481  
Utterback, Carp P.....Cloverdale, Ind  
Grad.....5249 Univ Blvd  
Umbaugh, Harriet Pearl.....Bend, Or  
Grad.....4746 16th Av NE  
Underwood, Ruth E.....Shelton, Iowa  
Grad.....4524 10th Av NE—Ken 189
- Van de Bogart, Guy H.....Opportunity  
Grad.....4305 15th Av NE—Ken 720  
Vandercreek, M W.....Seattle  
Unc, Law.....4526 15th Av NE  
Vannoy, Louise Hynes.....Seattle  
Unc, Ed.....3107 16th Av S  
Venn Watson, Arthur Lofthus.....Chimacum  
Sp, Ed.....4742 Brooklyn Av  
Venn Watson, Constance.....Port Ludlow  
LD, Ed.....5610 15th Av NE  
Venn Watson, John William.....Port Ludlow  
Unc, LA.....5610 15th Av NE—Ken 2546  
Vetting, Ida Fredericka.....Coeur D'Alene, Ida  
LD, Ed.....1708 Harvard Av—E 5849  
Voegel, Catherine.....Tacoma  
LD, LA.....Clark Hall, Campus—N 262  
Von Normann, Alfred George.....Seattle  
LD, EE.....910 20th Av—E 213  
Von Pressentin, Agnes Dorothy, Marile Mount  
LD, LA.....Clark Hall, Campus—N 262  
Vorba, Emilie Gertrude.....Marshalltown, Ia  
Sp, Sci.....4230 14th Av NE—N 1774  
Waddle, Mary Charlotte.....Broadhead, Wis  
UD, Sci.....1616 E 47th St—Ken 149

Walker, Anna Sloan.....	Seattle
Grad.....	4110 11th Av NE
Walker, Elcy Nova.....	Forest Grove, Or
Grad.....	Lewis Hall, Campus—N 162
Walker, Paul H.....	Payette, Idaho
LD, ME	
Walker, Roberta.....	Seattle
LD, LA.....	4110 11th av NE
Wall, Ina Laura.....	Seattle
Sp, FA.....	1607 Harvard Av
Wallace, W Ross.....	Seattle
Sp, LA.....	3605 Whitman Av—N 3119
Walrath, Gertrude.....	Marshfield, Or
Sp, LA.....	Lewis Hall, Campus—N 162
Walsh, Mary Louise.....	Tacoma
UD, Sci.....	4547 19th Av NE—Ken 23
Ward, Amy.....	
Grad.....	4554 16th Av NE—Ken 3212
Ward, Hazel May.....	Glenwood, Minn
Grad.....	516 E Thomas St Apt 303
Waring, Bernice Eloise.....	Everett
Sp, LA.....	2012 E 45th St
Warne, Ada Mary.....	Seattle
LD, LA.....	5513 29th Av NE—Ken 3770
Warne, Alice M.....	Seattle
LD, Sci.....	5513 29th Av NE—Ken 3770
Watrous, Genie Ida.....	Bellingham
UD, Sci.....	Clark Hall, Campus—N 262
Warshall, Adolph.....	Seattle
LD, Phar.....	165 22nd Av
Watson, Anna Elizabeth.....	Seattle
UD, LA.....	402 11th Av N—Cap 2604
Watson, Harold Harrison.....	Seattle
LD, ME.....	330 18th Av N—E 5800
Watson, Jean Ferguson.....	Seattle
LD, LA.....	1109 30th Av—E 3190
Watson, Nettie Kerr.....	Vancouver, B C
LD, Ed.....	Lewis Hall, Campus—N 162
Watson, Ruth Elizabeth.....	Seattle
UD, Sci.....	4101 Brooklyn Av
Watson, Vivian L.....	Seattle
UD, Sci.....	1416 E 41st St—N 2671
Watson, William Douglas.....	Charleston
Sp, Sci.....	4026 12th Av NE
Watt, James Graham.....	Seattle
LD, ChE.....	4311 9th Av NE
Watt, Mabel.....	Seattle
UD, Sci.....	4311 9th Av NE
Weaver, John Maurice.....	Clear Lake
Unc, LA.....	4542 18th Av NE—Ken 2827
Webster, Carrie.....	Gresham, Or
Sp, Sci.....	2311 Lake View Av—Cap 1154
Webster, Charles Elmer.....	Seattle
Unc, BA.....	5234 19th Av NE—Ken 3680
Webster, Jessie Elizabeth.....	Port Angeles
UD, LA.....	4502 20th Av NE—Ken 685
Weeks, Mary Louise.....	Seattle
LD, FA.....	1616 E 47th St—Ken 149
Weinzierl, Adolph.....	Seattle
LD, Sci.....	4144 10th Av NE—N 2366
Welnty, Hazel Ethylene.....	Everett
LD, ED.....	613 E 70th St
Wentworth, J.....	Seattle
UD, Ed.....	622 E 72nd St
Werner, Winifred.....	Belding, Mich
Unc, Bus.....	4551 17th Av NE—Ken 501
West, Cecil Rowland.....	Seattle
LD, Sci.....	4310 Ferdinand St
West, Constance Mary.....	Seattle
LD, Sci.....	4310 Ferdinand St
Weston, Nellie C.....	Seattle
UD, Sci.....	306 E Olive St—M 4759
Wexelstein, Leo.....	Russin
UD, EE.....	3804 10th Av NE—N 1688
Wharton, Florence Lillian.....	Yakima
UD, Ed.....	4710 17th Av NE—Ken 1857
Wheeler, Chetta May.....	Smithfield, Ohio
LD, LA.....	4714 Brooklyn Av
Wheeler, Gladys Fidele.....	Seattle
UD, Ed.....	3815 Woodland Av—N 1752
Whitacre, Paul.....	Ferndale
LD, LA.....	4518 16th Av NE
White, Beasle M.....	LaGrande, Or
Sp, Bus.....	4524 10th Av NE
White, Clyde Walker.....	Eatonville
Grad.....	4047 10th Av NE—N 107
Whitman, Genera.....	Bellingham
UD, Ed.....	4338 11th Av NE
Wienir, Harry Aaron.....	Seattle
Sp, Phar.....	341 19th Av—E 1201
Wienir, Israel Taradai.....	Seattle
Sp, Phar.....	341 19th Av—E 1201
Wilbur, Edward P.....	Seattle
UD, Bus.....	733 Harvard N—Cap 1659
Williams, Currie Colver.....	Union, Or
UD, Sci.....	Lewis Hall, Campus—N 162
Williams, Desmond Helen.....	Seattle
LD, LA.....	1717 E 56th St—Ken 591
Williams, Dora Louise.....	Kennewick
Unc, Sci.....	427 Denny Way
Williams, Laura Ellen.....	Tacoma
Grad.....	Clark Hall, Campus—N 262
Williams, Theresa Maul.....	Seattle
Sp, Ed.....	629 10th Av N—Cap 1387
Williamson, Oscar B.....	Albany, Or
LD, LA	
Willis, Margaret Louise.....	Portland, Or
Unc, LA	
Williston, Edna May.....	Halifax, N S
Sp, Sci.....	Normandie Apts
Wilson, S. Bertta.....	Spokane
Grad.....	5209 15th Av NE
Wilson, Doris Glasgow.....	Seattle
UD, LA.....	600 35th Av—E 5572
Wilson, Frances Imogen.....	Walla Walla
Unc, LA.....	Clarke Hall, Campus—N 262
Wilson, Lena Eveline.....	Grandview
UD, Sci.....	5040 11th Av NE—Ken 403
Wilson, Thomas Hugh.....	Seattle
LD, EE.....	5015 18th Av NE—Ken 2051
Winstead, Ralph Dimmit.....	Seattle
Sp, Bus.....	3050 Admiral Way
Wintler, Ella.....	Vancouver
Grad.....	4703 18th Av NE—Ken 2820
Wolfe, Jessie Emmaline.....	Glenwood, Iowa
Ep, Ed	
Wolff, Katherine C.....	Outlook
UD, LA.....	1616 E 47th St—Ken 49
Wolf, Marie.....	Seattle
LD, Sci.....	4751 Univ Blvd
Hokkan, Wong.....	Canton, China
UD, La.....	4528 Brooklyn Av
Wood, Charles Bruce.....	Cumberland, B C
Grad	
Wood, Muriel.....	Seattle
UD, Ed.....	1205 21st Av N—E 1961
Woodard, Wave.....	Loomis
LD, LA.....	4540 Univ Blvd—Ken 3216
Woolridge, Constance Ruth.....	Seattle
Unc, LA.....	5531 29th Av NE
Woolery, Faye Odellard.....	Rathdrum, Idaho
UD, LA.....	4344 9th Av NE
Worthen, Clifton Boyd.....	Lynden
UD, Ed.....	Barracks, Campus—N 55
Worthington, Grace.....	Quilcene
Grad.....	4515 18th Av NE—Ken 2644
Worthington, Mariette.....	Quilcene
Grad.....	4515 18th Av NE—Ken 2644
Wright, Allen Carpenter.....	Susanville, Calif
UD, EB.....	5203 Brooklyn Av
Wright, J Clarence.....	Seattle
UD, Ed.....	4134 Brooklyn Av
Wright, Harriet Isabelle.....	Spokane
Unc, Sci.....	4746 10th Av NE
Wright, Mrs Mille A.....	Seattle
Unc, LA.....	4238 12th Av NE—N 329

Wunderlich, Joseph Anthony..Cornelius, Or  
 LD, Sci...  
 Wyman, Mary Reynolds.....Colfax  
 UD, FA.....4547 10th Av NE—Ken 23

Yancey, Della M.....Seattle  
 Grad.....7706 9th Av SW  
 Yearian, Irene Gertrude.....Leadon, Idaho  
 Unc, FA.....Clark Hall, Campus—N 262  
 Young, James Arthur.....Jersey City, N J  
 Grad.....4069 9th Av NE  
 Young, Mrs. J Arthur.....Ontario, Or  
 Unc, Ed.....4069 9th Av NE

Young, Ruth Evelyn.....Seattle  
 UD, LA.....1608 3rd Av W  
 Young, Wesley George.....Seattle  
 Grad.....4000 12th Av NE—N 2300  
 Yuge, Shichiro.....Japan  
 Grad.....4110 12th Av NE—N 3797

Zimmerman, Chloe Anice.....Sapulpa, Okla  
 UD, Sci.....4723 18th Av NE—Ken 2766  
 Zickler, Irma Pauline.....Zilla  
 Grad.....1616 E 47th St—Ken 149  
 Zacharias, Rose Lydia.....Seattle  
 Grad.....Clark Hall, Campus—N 262

## Puget Sound Biological Station—1919

Arges, Julia E. ....	Anacortes	Langwill, Bertha .....	Sweet Briar, Va.
Ballaine, Florence .....	.....	Law, Mildred .....	Lawrence, Kan.
Brewer, Grace .....	Portland, Or	MacConihe, Miss M. C. ....	Seattle
Brown, Alice .....	Manhattan, Kan.	McCullough, Anna .....	Paola, Kan.
Brown, Anna .....	Stanwood	Powers, Pauline W. ....	Waxahatche, Texas
Copeland, May .....	Seattle	Reuter, Alexia .....	Seattle
Dunkle, Meryl B. ....	Hope, Idaho	Roush, Lucile .....	Wellesley, Mass.
Gall, F. W. ....	Moscow, Idaho	Sawyer, Dalza .....	Tacoma
Greguson, Judith .....	Seattle	Seitz, Carolyn .....	Billings, Okla.
Harris, Ellis B. ....	Spokane	Smith, Catharine W. ....	Puyallup
Helbel, Alcuin .....	Mt. Angel, Or	Spaulding, Florence .....	Seattle
Hinrichs, Marie .....	Chicago, Ill.	Sundquist, Leona .....	Mt. Vernon
Hogue, Helen .....	Olathe, Kan.	Watkins, Mary Kate .....	Dallas, Tex.
Howard, Grace .....	Seattle	White, Mary H. ....	Spokane

## Short Course in Fisheries—1920

Alexander, C. J. ....	Seattle	Josephson, Morris .....	Seattle
Antilla, John .....	Astoria, Or.	Mason, M. A. ....	Seattle
Barrett, J. ....	Seattle	Merrick, T. F. ....	Seattle
Brown, Harry .....	Tacoma	Middaugh, Ted A. ....	Seattle
Bruce, Matthew .....	Anadir, Siberia	Monge, W. A. ....	Seattle
Buschmann, Lelf C. ....	Seattle	Munsen, Chris .....	Seattle
Cannon, James E. ....	Colby	Nicley, Wallis .....	Seattle
Dyhwad, Peter .....	Seattle	O'Brien, Bert .....	Seattle
Foster, Alfred S. ....	Seattle	O'Kelly, C. P. ....	Seattle
Friele, H. B. ....	Seattle	Olsen, Orville .....	Seattle
Goodman, A. J. ....	Seattle	Peck, Stuart Irving .....	Seattle
Henderson, Gilbert C. ....	Seattle	Sherman, Sam S. ....	Coronado, Calif.
Hirsch, Robert .....	Seattle	Short, C. Paul .....	Seattle
Hooper, Ernest W. ....	Seattle	Sorensen, Fred J. ....	Seattle
Hungerford, H. H. ....	Seattle	Sorvik, H. D. ....	Seattle
Ingalis, Ernest W. ....	Seattle	Stockert, Rudolph .....	Seattle
Jackson, Francis S. ....	Portland, Or.	Sundt, C. ....	Seattle
Johanson, Arthur J. ....	Seattle	Wolf, Arthur Phillip .....	Seattle

## Short Course in Forestry—1920

Blake, J. R. ....	Seattle	Lewis, Raymond .....	.....
Bordeaux, Wilfred H. ....	Seattle	Molliet, E. L. ....	Parkville, Vancouver Island
Carson, C. H. ....	Fredericktown, Ohio	Rees, L. A. ....	Duncan, Vancouver Island
Crowley, Hill G. ....	.....	Simpson, Lewis L. ....	Chicago, Ill.
English, Clifton .....	Seattle	Stevens, H. E. ....	Courtenay, B. C.
Grant, I. S. ....	Vancouver, B. C.	Stowell, William H. ....	.....
Haddon, George E. ....	.....	Tucker, Harry V. ....	Seattle
Hart, Henry M. ....	Portland, Or.	Tussinger, Harold .....	Darrington
Heath, Ray J. ....	Seattle	Williamson, William H. ....	Stella
Lake, Rudolph K. ....	Lake Charles, La.	Wilkinson, Thomas, H. ....	Victoria, B. C.

## Short Course in Mines—1920

Robnenkamp, W. H. ....	LaGrande, Or.	Major, Sidney .....	Seattle
Cathro, Samuel P. ....	Portland, Or.	Pearson, Eugene .....	Pullman
Clark, George Arthur .....	Seattle	Peters, John Charles .....	Butte, Mont.
Crane, Earl B. ....	Spokane	Regan, Leonard .....	Seattle
Dalley, J. E. ....	Republic	Schuknecht, Leland H. T. ....	Hood River, Or.
Huseman, Walter George .....	Renton	Schuett, Hans W. ....	Seattle
Johnson, Gustavus Adolph. ....	Lake Bay	Staube, Alfred .....	Seattle
Kent, Simon E. ....	Milton	Stewart, Arthur A. ....	Usk, B. C.
Lapsley, James Roger .....	Tacoma	Wick, Carl Irving .....	Everett
Lauritsen, Laurits Hansen .....	Seward, Alaska		

## SUMMARY OF ENROLLMENT—1919-1920

BY COLLEGES AND SCHOOLS

SCHOOLS AND COLLEGES	SUMMER QUARTER			AUTUMN QUARTER	WINTER QUARTER	SPRING QUARTER	TOTAL
	1st. T.	2nd T.	TOTAL				
	1	2	3	4	5	6	7
Graduate .....	218	158	270	101	07	81	127
Men .....	64	60	82	58	58	46	67
Women .....	154	78	188	43	39	35	60
Liberal Arts ..	273	208	343	1085	1104	1007	1233
Men .....	63	56	78	367	401	340	417
Women .....	210	152	265	718	703	667	815
Science .....	207	163	289	613	504	526	690
Men .....	44	37	57	267	259	235	308
Women .....	163	126	232	346	335	291	382
Bus. Admin. ....	64	62	90	1323	1268	1084	1522
Men .....	39	38	53	995	1031	887	1152
Women .....	25	24	37	328	237	197	370
Education .....	167	158	247	244	217	195	277
Men .....	46	46	65	46	44	26	51
Women .....	121	112	182	198	173	167	226
Engineering .....	73	77	95	800	607	592	887
Men .....	73	75	93	706	603	589	883
Women .....		2	2	4	4	3	4
Fine Arts .....	53	27	66	310	325	282	368
Men .....	1	1	2	61	58	54	70
Women .....	52	26	64	249	267	228	298
Fisheries .....				33	64	50	76
Men .....				32			75
Women .....				1			1
Forestry .....				111	131	108	135
Men .....				109	129	106	133
Women .....				2	2	2	2
Journalism .....	3	3	4	30	24	20	32
Men .....		1	1	17	11	9	18
Women .....	3	2	3	13	13	11	14
Law .....	34	26	36	145	87	70	157
Men .....	32	23	33	131	80	64	143
Women .....	2	3	3	14	7	6	14
Lib. Economy. .	3	1	3	14	4	4	14
Men .....	1	1	1	1			1
Women .....	2		2	13	4	4	13
Mines .....	2	2	2	77	110	96	121
Men .....	2	2	2	77	118	96	120
Women .....					1		1
Pharmacy .....	10	12	13	106	94	85	114
Men .....	4	5	6	67	67	59	74
Women .....	6	7	7	39	27	26	40
*U.S. Ship. Bd.	9	28	37	16	6	12	118
Men .....	9	28	37	16	6	12	118
War Spec. (M)	29	23	32	54	64	48	88
Total ..	1145	928	1527	5062	4895	4269	5958

\*This course is offered to new students each month.

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 different 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

## By CLASSES

	SUMMER QUARTER			AUTUMN QUARTER	WINTER QUARTER	SPRING QUARTER	TOTAL
	1st. T.	2nd T.	TOTAL				
	1	2	3	4	5	6	7
Graduates . . . . .	218	138	370	101	97	81	127
Men . . . . .	64	60	82	58	58	46	67
Women . . . . .	154	78	188	43	39	35	60
Seniors . . . . .	100	86	102	344	206	259	368
Men . . . . .	51	41	52	155	127	108	170
Women . . . . .	49	45	50	189	169	151	198
Juniors . . . . .	165	147	202	510	462	423	549
Men . . . . .	33	40	41	260	245	223	278
Women . . . . .	127	107	161	250	217	200	271
Sophomores . . . . .	144	124	172	1068	933	833	1135
Men . . . . .	56	54	64	584	494	437	625
Women . . . . .	88	70	108	484	439	396	510
Freshmen . . . . .	348	266	481	2752	2813	2427	3218
Men . . . . .	126	114	109	1811	1922	1618	2111
Women . . . . .	222	152	312	941	891	809	1107
Special . . . . .	132	116	231	217	223	186	355
Men . . . . .	43	36	63	155	107	140	263
Women . . . . .	98	80	168	62	56	46	92
*U.S. Ship Bd. . . . .	0	28	37	16	6	12	118
Men . . . . .	0	28	37	16	6	12	118
War Specials . . . . .	29	23	32	54	65	48	88
Men . . . . .	29	23	32	54	65	48	88
Total . . . . .	1145	928	1527	5062	4895	4269	5958

\*This course is offered to new students each month.

## TOTAL STUDENTS IN RESIDENCE

During regular academic year . . . . .	5958
During summer quarter . . . . .	1527
	7485
Deduct summer quarter duplicates . . . . .	850
Net total for the year . . . . .	7135

## EXTENSION STUDENTS

Correspondence . . . . .	277
Men . . . . .	125
Women . . . . .	152
Extension Classes . . . . .	1322
Men . . . . .	670
Women . . . . .	643
Total Extension . . . . .	1599

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 different 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.

NOTE—The Extension Service enrolls students at any time during the twelve months, so that its enrollment is constantly changing. The figures given above represent the number actually studying by correspondence, or in 51 extension classes, during the year beginning July 1, 1919.

Of the correspondence students an average of about 75 per cent. are working for a degree and of the class students approximately 50 per cent.

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