

CATALOGUE

UNIVERSITY OF WASHINGTON

FOR 1925-1926

ANNOUNCEMENTS

FOR 1926-1927

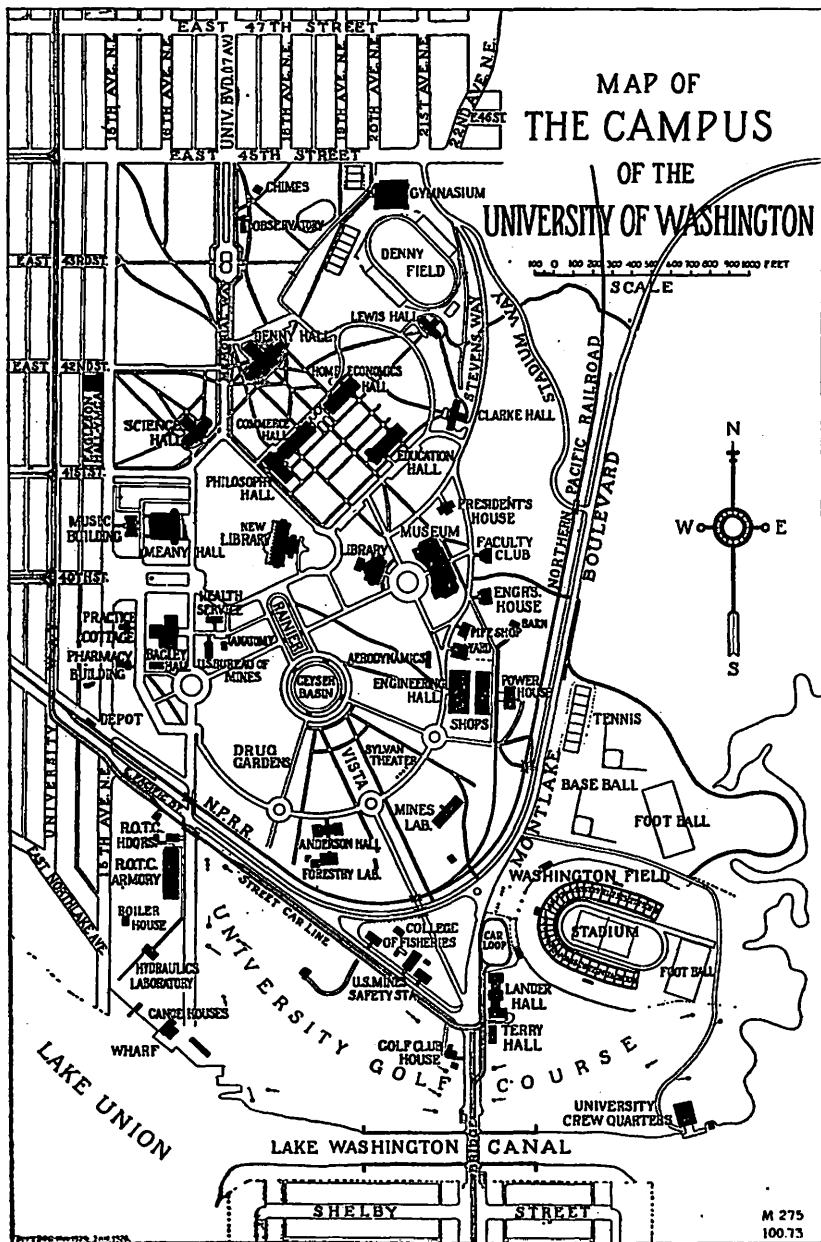


SEATTLE, WASHINGTON

Seattle
University of Washington Press
1926

NOTICE

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



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

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THE UNIVERSITY CALENDAR

1926-1927

AUTUMN QUARTER

Examination for admission, and for exemption from Freshman English..... Wednesday, Thursday, and Friday, September 29, and 30,and October 1
 Latest day for registration without penalty.....Saturday, Oct. 2, 12 m.
 Instruction begins..... Monday, October 4, 8 a.m.
 Regular meeting of the faculty.....Tuesday, October 26, 4 p.m.
 Thanksgiving recess begins.....Wednesday, November 24, 6 p.m.
 Thanksgiving recess ends.....Monday, November 29, 8 a.m.
 Regular meeting of the faculty.....Tuesday, December 7, 4 p.m.
 Examination for admission..Wednesday, Thursday, Friday, Dec. 15, 16, 17
 Instruction ends.....Friday, December 17, 6 p.m.

WINTER QUARTER

Latest day for registration without penalty.....Friday, December 31
 Instruction begins.....Monday, January 3, 8 a.m.
~~Regular meeting of the faculty.....Tuesday, January 25, 4 p.m.~~
 Washington's birthday (holiday).....Tuesday, February 22
 Regular meeting of the faculty.....Tuesday, March 15, 4 p.m.
 Examination for admission..Monday, Tuesday, Wednesday, March 21, 22, 23
 Instruction ends.....Friday, March 18, 6 p.m.

SPRING QUARTER

Latest day for registration without penalty.....Saturday, March 26, 12 m.
 Instruction begins.....Monday, March 28, 8 a.m.
 Campus day.....Friday, April 29
 Regular meeting of the faculty.....Tuesday, April 19, 4 p.m.
 Memorial day (holiday).....Monday, May 30
 Regular meeting of the faculty.....Tuesday, June 7, 4 p.m.
 Examinations for admission...Wednesday, Thursday, Friday, June 8, 9, 10
 Instruction ends..... Friday, June 10, 6 p.m.
 Class day and Alumni day..... Saturday, June 11
 Baccalaureate Sunday.....Sunday, June 12
 Commencement.....Monday, June 13

SUMMER QUARTER

Latest day for registration without penalty.....Tuesday, June 14
 Instruction begins.....Wednesday, June 15, 8 a.m.
 Independence day (holiday).....Monday, July 4
 Examination for admission..Monday, Tuesday, Wednesday, July 18, 19, 20
 First term ends.....Wednesday, July 20, 6 p.m.
 Second term begins.....Thursday, July 21, 8 a.m.
 Instruction ends.....Wednesday, August 24, 6 p.m.

THE BOARD OF REGENTS

A. H. B. JORDAN, President.....	Everett
Term ends March, 1927	
JOHN T. HEFFERNAN, Vice-President.....	Seattle
Term ends March, 1929	
PAUL H. JOHNS, Secretary.....	Tacoma
Term ends March, 1928	
OSCAR A. FECHTER.....	Yakima
Term ends March, 1928	
RUTH KARR MCKEE.....	Longview
Term ends March, 1929	
ROSCOE A. BALCH.....	Spokane
Term ends March, 1930	
SIDNEY B. LEWIS.....	Clear Lake
Term ends March, 1930	
HERBERT THOMAS CONDON, Assistant Secretary to the Board	

COMMITTEES OF THE BOARD OF REGENTS

BIOLOGICAL STATION.....	Lewis (Chairman), Fechter, McKee
BUILDINGS AND GROUNDS.....	Johns (Chairman), Heffernan, Jordan
COOPERATIONS.....	Heffernan (Chairman), McKee, Lewis
FINANCE.....	Johns (Chairman), Heffernan, Balch
LANDS AND DEMONSTRATION FOREST.....	Balch (Chairman), Fechter, Jordan
METROPOLITAN LEASE.....	Fechter (Chairman), Jordan, Johns
STUDENT WELFARE.....	McKee (Chairman), Lewis, Balch

OFFICERS OF ADMINISTRATION

THE UNIVERSITY

HENRY SUZZALLO, Ph.D., LL.D.....	President of the University Education Hall
DAVID THOMSON, B.A.....	Dean of Faculties Education Hall
HERBERT THOMAS CONDON, LL.B.....	Comptroller Education Hall
EDWARD BICKNELL STEVENS, A.M.....	Registrar Education Hall
JAMES EDWARD GOULD, A.M.....	Dean of Men Education Hall
WINNIFRED SUNDERLIN HAGGETT, A.M.....	Dean of Women Education Hall

THE FACULTIES

IRVING MACKEY GLEN, A.M.....	Dean of the Faculty of Fine Arts Music Building
DAVID THOMSON, B.A.....	Dean of the Faculty of Letters Denny Hall
HENRY LANDES, A.M.....	Dean of the Faculty of Science Science Hall
CHARLES EMANUEL MARTIN, Ph.D.....	Dean of the Faculty of Social Science Philosophy Hall
CARL EDWARD MAGNUSSON, Ph.D., E.E.....	Dean of the Faculty of Technology Engineering 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
HOWARD THOMPSON LEWIS, A.M.....	Dean of the College of Business Administration Commerce Hall
FREDERICK ELMER BOLTON, Ph.D.....	Dean of the School of Education Education Hall
CARL EDWARD MAGNUSSON, Ph.D., E.E.....	Dean of the College of Engineering Engineering Hall
IRVING MACKEY GLEN, A.M.....	Dean of the College of Fine Arts Music Building
JOHN NATHAN COBB.....	Dean of the College of Fisheries Fisheries Hall
HUGO WINKENWERDER, M.F.....	Dean of the College of Forestry Anderson Hall
*MATTHEW LYLE SPENCER, Ph.D.....	Dean of the School of Journalism Commerce Hall
ALFRED JOHN SCHWEPPE, A.M., LL.B.....	Dean of the School of Law Commerce Hall
WILLIAM ELMER HENRY, A.M.....	Dean of the 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
FREDERICK MORGAN PADELFORD, Ph.D.....	Dean of the Graduate School Denny Hall

THE EXTENSION SERVICE

ALEXANDER CRIPPEN ROBERTS, Ph.D.....	Director Education Hall
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* Resigned, June 30, 1926.

Officers of Administration

9

ASSISTANT ADMINISTRATIVE OFFICERS

Lillian Brown Getty.....	Secretary to the President
Matthew William Hill, LL.B.....	Alumni Secretary
James Matthew O'Connor, Jr., M.A.....	Editorial Secretary
*May Ward, A.M.....	Assistant Dean of Women
Mary Lola Bash, A.B.....	Acting Assistant Dean of Women
Max Hipkoe.....	Assistant Purchasing Agent
William Beach Jones, A.B.....	Assistant to the Comptroller
Almee Wilson.....	Secretary to the Comptroller
Lois J. Wentworth, A.B.....	Secretary to the Dean of the Graduate School
Roberta W. Limbach.....	Secretary, Bureau of Appointments

OFFICE OF THE REGISTRAR

Edwin Bicknell Stevens, A.M.....	Registrar
Ethel Orris Reinhard, A.B.....	Assistant to the Registrar
Alice M. Ollis.....	Assistant for Schedules and Secretary to the Registrar
Frances M. Willard, A.B.....	Credentials Assistant
Elfreda Allen Smith, A.B.....	Registration Assistant
Elva Edwards Cole, A.B.....	Graduation Assistant
Leah H. Pepper.....	Recording Assistant

LIBRARY STAFF

William Elmer Henry, M.A. (Indiana).....	Librarian and Dean of the Library School
Charles Wesley Smith, A.B., B.L.S. (Illinois).....	Reference Librarian and Associate Professor of Library Economy
Arthur Sidney Beardsley, LL.B., B.S.(Lib. Sci.) M.A. (Washington).....	Law Librarian
Marie Alphonso, A.B. (Nebraska), B.L.S. (Washington).....	Catalogue Librarian
*Marie Sneed, A.B., B.S.(Lib. Sci.) (Washington).....	Circulation Librarian
*Dorothy Baker, A.B., B.S.(Lib. Sci.) (Washington).....	Circulation Librarian
Marguerite Eleanor Putnam, A.B., B.S.(Lib. Sci.) (Washington).....	Order and Accession Librarian
Thelma Edwards, A.B., B.S.(Lib. Sci.) (Washington).....	Senior Assistant, Catalogue Department
Lena Lucille Tucker, A.B., B.S.(Lib. Sci.) (Washington).....	Senior Assistant, Catalogue Department
Mary Gladys Hoard, A.B., B.S. (Lib. Sci.), LL.B., LL.M. (Washington).....	Cataloguer, Law Library
Lydia May McCutchen, A.B. (Iowa) (Washington Library School).....	Senior Assistant, Order Department
Elva Batcheller, A.B., B.S.(Lib. Sci.) (Washington).....	Senior Assistant, Reference Department
Ethel Christophers, Ph.B. (Wisconsin), B.S.(Lib. Sci.) (Washington).....	Senior Assistant, Reference Department
Luella Larson, B.S., A.B.(Lib. Sci.) (Washington).....	Junior Assistant, Catalogue Department
*Gedina Upper, A.B. (Washington).....	Junior Assistant, Circulation Department
Gladys May Plemmon, B.S.(Lib. Sci.) (Washington).....	Junior Assistant, Circulation Department
Margaret Bell Jones, A.B. (Washington).....	Junior Assistant, Order Department
Maud Moseley, B.S. (Lib. Sci.) (Washington).....	Junior Assistant, Order Department
*Berenice Hayes, A.B. (Montana).....	Junior Assistant, Reference Department
Ruth Ellnor Hale, A.B. (Washington).....	Junior Assistant, Order Department

THE MUSEUM

Frank Stevens Hall.....	Director of the Museum
Samuel F. Rathbun.....	Honorary Curator of Birds
Martha Flauhaut, A.B.....	Assistant

THE EXTENSION SERVICE

Alexander Crippen Roberts, Ph.D.....	Director
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ENGINEERING EXPERIMENT STATION

Carl Edward Magnusson, Ph.D. E.E.....	Director
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PUGET SOUND BIOLOGICAL STATION

Theodore Christian Frye, Ph.D.....	Director
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* Absent 1925-26.

1 Resigned September 1, 1925.

2 Beginning September 1, 1925.

3 Resigned October 31, 1925.

4 Resigned February 28, 1926.

University of Washington

UNITED STATES ARMY RESERVE OFFICERS' TRAINING CORPS

James Francis Brady.....	Colonel, C.A.O.
Royal Kemp Greene.....	Major, C.A.O.
Henry Clinton Kress Muhlenberg.....	Major, Air Service
Otto Harry Schrader.....	Major, C.A.O.
Keith Sumner Gregory.....	Major, U.S.A., Retired
Edgar Harrison Underwood.....	Captain, C.A.O.
Hugh Donald Adair.....	Captain, Infantry
Evan Kirkpatrick Meredith.....	Captain, Infantry
Laurin Lyman Williams.....	Captain, Infantry
Christian Hildebrand.....	First Lieutenant, Infantry
Charles Benton Franke.....	Warrant Officer, U.S.A., Retired
Harry Barre White.....	Warrant Officer, U.S.A.
Emil H. Wunderlich.....	Quartermaster Sergeant, U.S.A., Retired
Walter Lang.....	First Sergeant, D.E.M.L.
William F. Compton.....	Sergeant, D.E.M.L.
Ray A. Bailey.....	Sergeant, D.E.M.L.
Harry Beckett.....	Sergeant, D.E.M.L.
Harold A. Hansen.....	Sergeant, D.E.M.L.
Charles E. Freeman.....	Private First Class, D.E.M.L.
William H. Honens.....	Private First Class, D.E.M.L.

UNIVERSITY OF WASHINGTON STATION OF THE UNITED STATES FOREST SERVICE

Conrad W. Zimmerman, A.B.....	Engineer in Timber Tests, in charge
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NORTHWEST EXPERIMENT STATION UNITED STATES BUREAU OF MINES

Byron Matthew Bird, B.S. (Met.E.).....	Acting Superintendent
Harry Fagan Yancey, Ph.D.....	Associate Chemist
Kenneth Alexander Johnson, B.S.....	Junior Chemist

STATE CHEMIST

Charles Willis Johnson, Ph.C., Ph.D.....	State Chemist
--	---------------

UNITED STATES VETERANS BUREAU REHABILITATION DIVISION

H. M. Eddy.....	In Charge
-----------------	-----------

BUILDINGS AND GROUNDS

Frederic Elwell	Superintendent
-----------------------	----------------

UNIVERSITY DINING AND RESIDENCE HALLS

Ruth Margaret Lusby, A.M.....	Supervisor of Dining Halls
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UNIVERSITY HEALTH SERVICE

David Connolly Hall, M.D.....	University Health Officer
Lillian Collison Irwin, M.D.....	Medical Examiner for Women
Maude Reeder, R.N.....	Resident Nurse
Emma Goetter, R.N.....	Public Health Nurse

THE UNIVERSITY FACULTY

Henry Suzzallo.....*President of the University*
 David Thomson.....*Dean of Faculties*
 Edwin Bicknell Stevens.....*Registrar*

The University Faculty consists of instructors, associates, and all teachers of professorial rank. It is made up of five special faculties, constituted of the members of various departments as follows: (1) Faculty of Fine Arts: Architecture, Dramatic Art, Music, Painting, Sculpture and Design; (2) Faculty of Letters: Classical Languages, English, Germanic Languages, Liberal Arts, Oriental History, Romanic Languages, Scandinavian Languages; (3) Faculty of Science: Anatomy, Astronomy, Bacteriology, Botany, Chemistry, Fisheries, Geology, Home Economics, Mathematics, Nursing, Pharmacy, Physical Education and Hygiene, Physics, Physiology, Zoology; (4) Faculty of Social Science: Anthropology, Economics and Business Administration, Education, History, Journalism, Law, Library Science, Philosophy, Political Science, Psychology, Sociology; (5) Faculty of Technology: Aeronautical Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, Forestry, Mechanical Engineering, Military Science, Mining and Metallurgy, Naval Science.

In this list the names of the faculty are arranged in five groups—professors, associate professors, assistant professors, lecturers and associates, and instructors—followed by the names of the assistants and teaching fellows. In each of the five groups the names occur in the order of academic seniority. An alphabetical list of the faculty is given on page 16.

PROFESSORS

Henry Landes	Charles Church More	Eric Temple Bell ²
Edmond Stephen Meany	Henry Kretzler Benson	George Wallace Umphrey
Caroline Haven Ober	John Weinzirl	Carl Frelinghuysen Gould
John Thomas Condon ¹	Hugo Winkenwerder	John Locke Worcester
Trevor Kincaid	Vernon Louis Parrington	Howard Hall Preston
Frederick Morgan Padelford	Frederick Elmer Bolton	Edgar Dunnington Randolph
Milnor Roberts	Edwin John Vickner	Edgar Allen Loew
William Savery	Effie Isabel Raitt	Joseph Daniels
Frederick Arthur Osborn	William Franklin Allison	Friedrich Kurt Kirsten
David Thomson	Stevenson Smith	Winnifred Sunderlin Haggett
Charles Willis Johnson	Clark Prescott Blissett	William Daniel Moriarty
Pierre Joseph Frein	Allen Rogers Benham	Ellas Treat Clark
Theodore Christian Frye	Leslie James Ayer	William Edward Cox
Robert Edouard Moritz	Fred Carleton Ayer	Herbert Ellsworth Cory
Carl Edward Magnusson	John Nathan Cobb	Carl Spencer Dakan
Harvey Lantz	William Maurice Dehn	James Francis Brady
Everett Owen Eastwood	Howard Woolston	George Samuel Wilson
William Elmer Henry	Matthew Lyle Spencer	Charles William Harris
David Connolly Hall	George McPhail Smith	Alexander Crippen Roberts
Herbert Henry Gowen	Burt Persons Kirkland	Charles Emanuel Martin
Oliver Huntington Richardson	Howard Thompson Lewis	Wilfred Eldred
Ivan Wilbur Goodner	James Edward Gould	Roy Martin Winger
Irving Mackay Glen	Charles Edwin Weaver	Arthur Evans Wood

ASSOCIATE PROFESSORS

Loren Douglas Millman	Herman Vance Tartar	Curt John Ducasse
Thomas Kay Sidey	Moritz Rosen	Charles Culbertson May
Edward McMahon	Albert Franz Venino	Henry Alfred Burd
Charles Wesley Smith	Carl Paige Wood	William Henry George
Otto Patzer	Eldin Verne Lynn	Dudley David Griffith
Edward Godfrey Cox	Henry August Langenhan	Samuel Herbert Anderson
Allen Fuller Carpenter	Walter Isaacs	Bror Leonard Grondal
Henry Louis Brakel	Macy Milmore Skinner	Edwin Ray Guthrie
George Burton Rigg	Thomas Gordon Thompson	Hewitt Wilson
Harry Edwin Smith	Robert William Jones	Mary Emma Gross
Arthur Melvin Winslow	Carl Raymond Fellers ⁴	John Earl Guberlet ⁵
Charles Goggio	Charles Raymond Atkinson	Karl Elias Leib
Roderick Duncan McKenzie ³	Grace Goldena Denny	Frederick Wesley Orr

¹ Died, January 5, 1926.

² Absent on leave October 1, 1925, to February 1, 1926.

³ Absent on leave, 1925-26.

⁴ Resigned November 30, 1925.

⁵ Absent on leave Winter and Spring Quarters, 1926.

ASSISTANT PROFESSORS

Edwin James Saunders
George Irving Gavett
Eli Victor Smith
Harvey Bruce Denamore
Clarence Raymond Corey
Fred Washington Kennedy
Ernest Otto Eckelman
Charles Louis Helminger
John William Hotson
Theresa Schmid McMahon
Lewis Irving Nelkirk
Frances Dickey
Virginia Cunningham Patty²
Ira Leonard Collier³
George Edward Goodspeed
Curtis Talmadge Williams
Joseph Barlow Harrison
Martha Koehn⁴
James George Arbutnot

Keith Sumner Gregory
Louis Peter De Vries
Leslie Spier
Henry Stephen Lucas
Jakob Aall Ottesen Larsen
Louise Van Ogle
Gordon Russell Shuck
Homer Ewart Gregory
Addie Jeanette Bliss
Edgar Harrison Underwood
Gilbert Simon Schaller
Otto Harry Schrader
Primitivo Elio Sanjurjo
August Dvorak
Rachel Emilie Hoffstadt
Frank Joseph Laube
Glenn Arthur Hughes
Elgin Roscoe Wilcox
Henry Clinton Muhlenberg

Robert Cunningham Miller
Royal Greene
Hugh Adair
Forest Jackson Goodrich
Ralph Mason Blake
Harry John McIntyre
Leo Arthur Borah
Warren Lord Beuschlein
Arthur Phillip Herrman
Lancelot Edward Gowen
Lyman Crowell Boynton
George Andrew Lundberg
Norman Sylvester Hayner
Evan Kirkpatrick Meredith
Dudley Pratt
Jessie Irene Rowntree
Frank Melville Warner
Laurin Lyman Williams

LECTURERS AND ASSOCIATES

Joseph Grattan O'Bryan
Frederick Powell
Conrad Zimmerman
James McConahey
William Bennett Henderson
James Postlewait Robertson
Pearce Crane Davis
Cornelius Osseward
Norman Lee Burton⁵
Gustaf Alfred Magnusson
Oscar Eldridge Draper
Ottis Bedney Sperlin
Lillian Collison Irwin
Read Bain
Cecil Leonard Hughes
Josef Washington Hall
Arthur Truax
Edward Noble Stone
Nels Anderson⁶
Alfred John Schweppe¹⁰
Lillian Bloom⁷
Eugenie Worman
Ambrose Patterson
Ethel Sanderson Radford
Marjorie Whipple Peterson
Pamella Pearl Jones
Sylvia Finlay Kerrigan

Bertha Almen Vickner
Ebba Dahlin
Earl Downs West
Elizabeth Soule
Clarence Edmundson
Clyde Myron Cramlet
Rachel Elizabeth Hamilton
Enoch Bagshaw
Frank Chester Van de Walker
Arthur Rudolph Jerbert
Iva Buchanan
Russell Stanley Callow
Dorsett Graves
Jane Sorrie Lawson
James Matthew O'Connor, Jr.
Alice Coleman Bogardus
Marie Alfonso
Marguerite Putnam
Albert Lovejoy
Sarah Virginia Lewis
Arlene Johnson
Luella Venino
Clara Bell Lynch
Wayne Campbell Sutton
Joseph Marion Taylor
Lou Eastwood Anderson
Amy Violet Hall

Lurline Violet Simpson
Kirsten Larsson Newberry
Maude Parson
Burton Wakeley James
Elenora Wesner
Laura Edna Mabon
Margaret Crawford
Sophus Keith Winther
John Adams
Lois Eula Brown
Lucy Walbrich Davidson⁸
Edgar Marion Draper
James Emmanuel Ernst
Kirby Jackson
Hunter Campbell Lewis
Thomas Francis Mundle
Irene Margaret Neilson
Jessie Waite Scott⁹
Harriet Vivian Snidow
Elaine Swenson
Edward Charles Wagenknecht
Charles Hoyt Watson
Eloise Virtue de Voe¹¹
Elmer James White
Clair Arthaud Hannum¹⁰
Herbert Spencer Karr¹²

INSTRUCTORS

Walter Bell Whittlesey
Alletta Gillette
Albert Porter Adams
James Baker Hamilton
Martha Dresslar
George Kirchner
Eilene French Risegari¹²
Ruth Margaret Lusby
Sargent Powell
Byron Towne McMinn
Robert Harold Edmonds
George Lisle Hoard
Mary Laura Ald¹¹
Frank Hartmond Hamack

George Sherman Smith
Helen Rhodes
Donald Russell Crawford
Hermance Müllemeister
Waldo Semon
Raymond Forest Farwell¹
Florence May Morse
Alfred Lawrence Miller
Sergius Amalleff
Hiram Martin Chittenden, Jr.
Hope Lucille Foote
Cecil Eden Quainton
Henry Matthew Burlage
Matilda Jane McGownd

Roy Eric Lindblom
Austin Eastman
Harold Watson Nightingale
George Edward Hawthorn
Joseph Paul Dodd
Alfrida Storn¹¹
Kenneth Carey Cole
Frederick Burt Farquharson
Carlos Garcia-Prada
William Griffith
Christian Hildebrand
Emily Josephine Kramer
Robert Van Horn

² Absent on leave October 1, 1925, to February 1, 1926.

³ Absent on leave, 1925-26.

⁵ Winter and Spring Quarters.

⁶ Absent on leave Spring Quarter, 1926.

⁷ Resigned December 31, 1925.

⁸ Autumn Quarter, 1925.

⁹ October 1, 1925 to February 1, 1926.

¹⁰ Winter and Spring Quarter, 1926.

¹¹ Absent on leave, Autumn Quarter, 1925.

¹² Resigned March 31, 1926.

ASSISTANTS

Madge Wilkinson, M.S.	Assistant, Gatzert Foundation
Paul Higgs, B.S.	Demonstrator in Physics
Louise Dow Oliver, B.Mus.	Assistant in Music
Iris Fern Canfield, B.Mus.	Assistant in Music
Lucille Turnaclyff, B.S.	Assistant State Chemist
Leone Helmich, B.S.	Assistant in Physical Education
Adelaide Louise Fairbanks, A.M.	Assistant in English
Margaret Muir Raine, A.B.	Assistant in English
Dorothy Gene Haggett, A.B.	Assistant in English
Louise McDonald, M.A.	Assistant in English
Loren Milliman, A.B.	Assistant in English
Ruth Allen, A.B.	Assistant in Music
William Jefferson	Assistant in Golf
Vernita Swezen, B.F.A.	Assistant in Design
Karl Albert Windeshelm, A.B.	Assistant in English
Ellas Thorlief Arneson, Ph.D.	Assistant in English
Alberta Apple, A.B.	Assistant in Physical Education
Oscar Connors	Assistant in Mechanical Engineering
Russell Arnon Cain, B.S.	Assistant State Chemist
Helen Swift, B.Ed.	Assistant in Business Administration

TEACHING FELLOWS

Edith Cattle, B.S.	Bacteriology
Hattie Fitzgerald, B.S.	Bacteriology
Jean Davidson, A.B.	Botany
Lena Hartge, B.S., M.S.	Botany
Ruth Platt, B.S.	Botany
Vera Stedman, B.S.	Botany
Grace Baumgartner, M.A.	Business Administration
Louise Blaine, A.B.	Business Administration
Murray Brink, A.B.	Business Administration
Raymond Coleman, M.B.A.	Business Administration
Edward Cruzen, B.B.A.	Business Administration
Glenn Holmes, B.S.	Business Administration
Robert King, B.B.A.	Business Administration
Charles Miller, B.B.A.	Business Administration
Henry Rowntree, M.B.A.	Business Administration
Francis Staten, B.B.A.	Business Administration
Alex Young, A.B.	Business Administration
Isabel Colman, B.S.	Chemistry
Richard Damerell, B.S.	Chemistry
Meryl Deming, M.A.	Chemistry
Ernest Edgerton, B.S.	Chemistry
Pauline Jackson, A.B.	Chemistry
Dwight Knapp, A.B., M.D.	Chemistry
James Lorah, M.S.	Chemistry
Roger Truesdall, M.S.	Chemistry
Victor Wellman, B.S.	Chemistry
Max Cornue, M.A.	English
Julia Cox, M.A.	English
Garland Ethel, A.B.	English
John Groth, A.B.	English
Ernest Marchand, A.B.	English
Dorothy Cartwright, A.B.	French
Isabel Donald, M.A.	French
Charles Southwick, A.B.	French
Thomas Etherington, B.S.	Geology
Felcie Ankele, M.A.	Germanic Languages and Literature
Erma Nelson, M.A.	History
John Biggerstaff, A.B.	Mathematics

University of Washington

TEACHING FELLOWS (Continued)

Frederick Brand, B.S.	Mathematics
Francis Huston, A.B.	Mathematics
Elizabeth Lansdowne, B.F.A.	Painting, Sculpture and Design
Caty Braford, Ph.C., B.S.	Pharmacy
Frank Lee, Ph.C., M.S.	Pharmacy
Frederick Lofgren, M.S.	Pharmacy
Leonard Rhodes, B.S.	Pharmacy
Jennie Mohr, A.B.	Philosophy
Melvin Rader, A.B.	Philosophy
Clayton Shaw, A.B.	Philosophy
James Brown, A.B.	Physics
Jay Eller, A.B.	Physics
Victor Hicks, A.B.	Physics
Thelma Lacey, B.S.	Physics
Louis Marick, E.M.	Physics
Floyd Ostensen, B.S.	Physics
Oscar Starr, B.S.	Physics
Paul Bachman, M.A.	Political Science
Thomas Hermans, B.S.	Psychology
Marion White, A.B.	Psychology
Denzel Cline, A.B.	Sociology
William Black, B.S.	Sociology
Calvin Schmid, A.B.	Sociology
William Wilson, M.A.	Spanish
Roscoe DeWitt, B.S.	Zoology
Marian Meaker, B.S.	Zoology

GRADUATE SCHOLARS

Evelyn Byrd, B.B.A.	Business Administration
Nathaniel Engle, B.A.	Business Administration
Jane Adams, A.B.	English
Virginia Westfall, A.B.	English
Gladys Carlson, A.B.	History
Gustav Larson, M.A.	History
Ruth Greiner, A.B.	Oriental Languages
Ida Villevik, B.S.	Physical Education
Clarita Moore, A.B.	Zoology

LORETTA DENNY FELLOWS

Yale Yih Tsang, A.B.	Education
Kai Jensen, M.A.	Psychology
Dorothy Benham, A.B.	English
Ronald LeRoy Olson, A.B.	Anthropology
Mary Elizabeth Norie, A.B.	English

ARTHUR A. DENNY FELLOWS

Albert Hertzner Veitch, B.S. (C.E.)	Civil Engineering
Walter Redford, A.B.	Education
Arnold John Lehman, B.S.	Pharmacy
Edwin Harold Eby, Ph.B.	English
Geraldine Doheny, A.B.	History
Raymond Cascade Smith, B.S. (Ch.E.)	Mining Engineering

RESEARCH FELLOWS

Roland J. Clark, M.S. (Cer. E.).....Mining (Ceramic Engineering)
 William Michael Romischer, M.S. (Min.E.).....Mining (Coal Mining Engineering)
 Hewett O. Fearn, E.M.....Mining (Ceramic Engineering)
 Leslie Edwin Wilson, A.B.....Mining (Coal Mining Engineering)
 Henry N. Baumann, Jr., B.S. (Min. E.).....Mining (Ceramic Engineering)

DUPONT FELLOWSHIP

Philip Gordon Cohen, B.S.....Chemistry

BON MARCHE INDUSTRIAL FELLOWSHIP

Florence A. Johnson, B.S.....Textiles

EFFIE I. RAITT RESEARCH FELLOWSHIP IN NUTRITION

Rosalie S. Godfrey, M.A.....Nutrition

COLUMBIA UNIVERSITY FELLOWSHIP IN MINING ENGINEERING AND CHEMISTRY

Not awarded.

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;
LL.D., British Columbia, 1925.
- Hugh Donald Adair, Captain, Infantry.....*Assistant Professor of Military Science and Tactics*
Graduate, Wentworth Military Academy, 1912.
- Albert Porter Adams.....*Instructor in Music*
- John Adams.....*Associate in English*
A.B., Michigan, 1920; M.A., 1922.
- Mary Laura Aid.....*Instructor in Physical Education*
A.B., Wisconsin, 1920.
- Marie Alfonso.....*Associate in Library Economy*
A.B., Nebraska, 1913; B.L.S., Washington, 1921.
- 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
- Sergius Amalleff.....*Instructor in Engineering*
B.S. (M.E.), Washington, 1923.
- Lou Eastwood Anderson.....*Associate in Physical Education*
B.S., Washington, 1923.
- Nels Anderson.....*Lecturer on Sociology*
A.B., Brigham Young, 1920; M.A., Chicago, 1925.
- Samuel Herbert Anderson.....*Associate Professor of Physics*
A.B., Park College, 1902; A.M., 1903; Ph.D., Illinois, 1912.
- James George Arbuthnot.....*Assistant Professor and Director of Physical Education for Men*
B.S., Kansas State College, 1904.
- Charles Raymond Atkinson.....*Associate Professor of Business Administration*
A.B., George Washington, 1908; A.M., Columbia, 1910; Ph.D., 1911.
- Fred Carleton Ayer.....*Professor of Education*
B.S., Upper Iowa, 1902; M.S., Georgetown, 1905; Ph.D., Chicago, 1915.
- Leslie James Ayer.....*Professor of Law*
B.S., Upper Iowa, 1899; J.D., Chicago, 1906.
- Enoch Bagshaw.....*Associate in Physical Education*
B.S. (Met.E.), Washington, 1908.
- Read Bain.....*Lecturer on Sociology*
A.B., Willamette, 1916; A.M., Oregon, 1920; Ph.D., Michigan, 1926.
- Eric Temple Bell.....*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, 1899; A.M., 1902; D.Sc., 1926; Ph.D., Columbia,
1907.
- Warren Lord Beuschlein.....*Assistant Professor of Chemical Engineering*
B.S. (Ch.E.), California Institute of Technology, 1920; M.S. (Ch.E.), Washington,
1925.
- Clark Prescott Blissett.....*Professor of Law*
A.B., Hobart College, 1896; LL.D., Jesuit College, 1898; LL.D., Minnesota, 1909;
Lit.D., Lincoln Memorial University, 1926.
- Ralph Mason Blake.....*Assistant Professor of Philosophy*
A.B., Williams College, 1911; A.M., Harvard, 1912; Ph.D., 1915.
- Addie Jeanette Bliss.....*Assistant Professor of Home Economics*
A.B., Washington, 1906; A.M., Columbia, 1917.
- Lillian Bloom.....*Associate in Physical Education*
Graduate, Medical Gymnastic Institute, Stockholm.
- Alice Coleman Bogardus.....*Associate in Music*
B.L., Mills, 1913.
- Frederick Elmer Bolton.....*Professor of Education and Dean of the School of Education*
B.S., Wisconsin, 1893; M.S., 1896; Ph.D., Clark, 1898.
- Leo Arthur Borah.....*Assistant Professor of Journalism*
A.B., Huron College, 1913; A.M., Washington, 1924.

- Lyman Crowell Boynton.....*Assistant Professor of Physiological Chemistry*
A.B., Michigan, 1916; A.M., Columbia, 1922; Ph.D., 1924.
- James Francis Brady, Colonel, C.A.C.....*Professor of Military Science and Tactics*
Graduate, U.S. Military Academy, 1897.
- Henry Louis Brakel.....*Associate Professor of Engineering Physics*
A.B., Olivet, 1902; A.M., Washington, 1905; Ph.D., Cornell, 1912.
- Lois Eula Brown.....*Associate in English*
A.B., Washington, 1920; M.A., 1924.
- Iva Buchanan.....*Associate in History*
A.B., Washington, 1907; A.M., 1920.
- Henry Alfred Burd.....*Associate Professor of Business Administration*
B.S., Illinois Wesleyan, 1910; A.M., Illinois, 1911; Ph.D., 1915.
- Henry Matthew Burlage.....*Instructor in Pharmacy*
A.B., Indiana, 1919; A.M., Harvard, 1921; Ph.G. and B.S., Purdue, 1923.
- Norman Lee Burton.....*Lecturer on Business Administration*
A.B., Williams, 1911; M.B.A., Harvard, 1917; C.P.A., 1920.
- Russell Stanley Callow.....*Associate in Physical Education*
A.B., Washington, 1916.
- Allen Fuller Carpenter.....*Associate Professor of Mathematics*
A.B., Hastings, 1901; A.M., Nebraska, 1909; Ph.D., Chicago, 1915.
- Hiram Martin Chittenden.....*Instructor in Engineering*
B.S. (C.E.), Washington, 1920.
- Elias Trent Clark.....*Professor of Forestry*
Ph.B., Yale, 1907; M.F., 1908.
- John Nathan Cobb.....*Professor of Fisheries and Dean of the College of Fisheries*
- Kenneth Carey Cole.....*Instructor in Political Science*
B.Lit., St. John's College, Oxford, 1924.
- Ira Leonard Collier.....*Assistant Professor of Civil Engineering*
B.S. (C.E.), Washington, 1913; 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, 1905; A.M., Columbia, 1915.
- Herbert Ellsworth Cory.....*Professor in Liberal Arts*
A.B., Brown, 1906; Ph.D., Harvard, 1910.
- Edward Godfrey Cox.....*Associate Professor of English*
A.B., Wabash, 1899; A.M., Cornell, 1901; Ph.D., 1906.
- William Edward Cox.....*Professor of Business Administration*
A.B., Texas, 1909; A.M., 1910.
- Clyde Myron Cramlet.....*Associate in Mathematics*
A.B., Walla Walla College, 1915; M.S., Washington, 1920; Ph.D., 1926.
- Donald Russell Crawford.....*Instructor in Fisheries*
B.S., Washington, 1922.
- Margaret Crawford.....*Associate in Dramatic Art*
B.S., Columbia, 1921; A.M., 1922.
- Ebba Dahlin.....*Associate in History*
A.B., Washington, 1919; A.M., 1922.
- Carl Spencer Dakan.....*Professor of Applied Banking*
B.S., Missouri, 1909.
- Joseph Daniels.....*Professor of Mining Engineering and Metallurgy*
S.B., Massachusetts Institute of Technology, 1905; M.S., Lehigh, 1908.
- Lucy Walbrich Davidson.....*Associate in Physical Education*
A.B., Wisconsin, 1919; M.A., Columbia, 1923.
- Pearce Crane Davis.....*Lecturer in Accounting*
C.P.A., 1914.
- William Maurice Dehn.....*Professor of Organic Chemistry*
A.B., Hope, 1893; A.M., 1896; Ph.D., Illinois, 1903.
- Grace Goldena Denny.....*Associate Professor of Home Economics*
A.B., Nebraska, 1907; A.M., Columbia, 1919.
- Harvey Bruce Densmore.....*Assistant Professor of Greek*
A.B., Oxford, 1907.

- Eloise Virtue de Voe.....Associate in Home Economics
B.S., Washington, 1919; M.S., Columbia, 1928.
- Louis Peter De Vries.....Assistant Professor of Romance Languages
A.M., Wisconsin, 1911; Ph.D., 1913.
- Frances Dickey.....Assistant Professor of Music
Graduate, Iowa State Teachers' College, 1901; B.S., Columbia, 1912; A.M., 1913.
- Joseph Paul Dodd.....Instructor in Civil Engineering
B.S. (M.E.), Washington, 1923.
- Edgar Marion Draper.....Associate in Education
A.B., Washington, 1916; M.A., 1925.
- Oscar Eldridge Draper.....Lecturer on Business Administration
M.Acct., Vories Business College.
- Martha Estella Dresslar.....Instructor in Home Economics
B.A., Southern California, 1913; B.S., Washington, 1917; M.S., Columbia, 1918.
- Curt John Ducasse.....Associate Professor of Philosophy
A.B., Washington, 1908; A.M., 1909; Ph.D., Harvard, 1912.
- August Dvorak.....Assistant Professor of Education
A.B., Minnesota, 1920; Ph.D., 1923.
- Austin Vitruvius Eastman.....Instructor in Electrical Engineering
B.S. (E.E.), Washington, 1922.
- 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, 1906.
- Robert Harold Gray Edmonds.....Instructor in Mechanical Engineering
B.S., Whitman, 1915; B.S. (M.E.), Washington, 1922; M.S. (M.E.), 1926.
- Clarence Edmundson.....Associate in Physical Education
B.S., Idaho, 1910.
- Wilfred Eldred.....Professor of Business Administration
A.B. and A.M., Washington and Lee, 1909; A.M., Harvard, 1911; Ph.D., 1919.
- James Emmanuel Ernst.....Associate in English
A.B., Muhlenberg College, 1917; B.D., Philadelphia Lutheran Theological Seminary,
1925; M.A., Pennsylvania, 1922; Ph.D., Washington, 1926.
- Frederick Burt Farquharson.....Instructor in Engineering
B.S., Washington, 1923.
- Raymond Forrest Farwell.....Instructor in Business Administration and Astronomy
A.B., California, 1920; M.A., Washington, 1926.
- Carl Raymond Fellers.....Associate Professor of Food Preservation
B.S., Cornell, 1914; M.S., 1915; Ph.D., New Jersey State College, 1917.
- Hope Lucille Foote.....Instructor in Interior Decoration
A.B., Iowa State Teachers' College, 1920; A.M., Columbia, 1923.
- Pierre Joseph Frein.....Professor of Romance Languages
A.B., Williams, 1892; Ph.D., Johns Hopkins, 1899.
- Theodore Christian Frye.....Professor of Botany
B.S., Illinois, 1894; Ph.D., Chicago, 1902.
- Carlos Garcia-Prada.....Instructor in Spanish
A.B., Colegio del Rosario, 1918; M.A., Michigan, 1924.
- George Irving Gavett.....Assistant Professor of Mathematics
B.S. (C.E.), Michigan, 1893.
- William Henry George.....Associate Professor of Political Science
A.B., Harvard, 1902; A.M., Princeton, 1906; Ph.D., Harvard, 1921.
- 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.
- Charles Goggio.....Associate Professor of Romance Languages
A.B., Harvard, 1910; A.M., Wisconsin, 1914; Ph.D., 1919.
- Ivan Wilbur Goodner.....Professor of Law
LL.B., Nebraska, 1897.
- Forest Jackson Goodrich.....Assistant Professor of Pharmacy and Materia Medica
Ph.C., Washington, 1913; B.S., 1914; M.S., 1917.

Alphabetical List of the Faculty

19

- George Edward Goodspeed, Jr. *Assistant Professor of Geology*
B.S. (Min.E.), Massachusetts Institute of Technology, 1910.
- Carl Frelinghuysen Gould *Professor of Architecture*
A.B., Harvard, 1898.
- James Edward Gould *Professor of Maritime Commerce and Dean of Men*
B.Ph., Washington, 1896; B.Pd., 1898; M.A., Harvard, 1907.
- Herbert Henry Gowen *Professor of Oriental History, Literature and Institutions*
St. Augustine's College (Canterbury); D.D., Whitman College, 1912.
- Lancelot Gowen *Assistant Professor of Architecture*
A.B., California, 1916; A.M. (Arch.), 1921.
- Dorsett Graves *Associate in Physical Education*
Missouri.
- Royal Kemp Greene, Major, C.A.C. *Assistant Professor of Military Science and Tactics*
Graduate, U.S. Military Academy, 1907.
- Homer Ewart Gregory *Assistant Professor of Business Administration*
A.B., Washington State College, 1914; A.M., Chicago, 1917.
- Keith Sumner Gregory, Major, Infantry. *Assistant Professor of Military Science and Tactics*
Graduate, U.S. Military Academy, 1908.
- Dudley David Griffith *Associate Professor of English*
A.B., Simpson College, 1903; Ph.D., Chicago, 1916.
- William Griffith *Instructor in Psychology*
LL.B., Washington, 1917; M.A., 1925.
- Bror Leonard Grondal *Associate Professor of Forestry*
A.B., Bethany (Kansas), 1910; M.S.F., Washington, 1913.
- Mary Emma Gross *Associate Professor and Director of Physical Education for Women*
A.B., Goucher College, 1912; A.M., Columbia, 1915.
- John Earl Guberlet *Associate Professor of Zoology*
A.B., Bethany, 1909; A.M., Illinois, 1911; Ph.D., 1914.
- Edwin Ray Guthrie *Associate Professor of Psychology*
A.B., Nebraska, 1907; A.M., 1910; Ph.D., Pennsylvania, 1912.
- Winnifred Sunderlin Haggett *Dean of Women*
A.B., Olivet, 1897; A.M., Michigan, 1898.
- Amy Violet Hall *Associate in English*
B.Ed., Washington, 1920; A.M., 1923.
- David Connolly Hall *University Health Officer and Professor of Hygiene*
Ph.B., Brown, 1901; Sc.M., Chicago, 1903; M.D., Rush Medical College, 1907.
- Josef Washington Hall *Lecturer on Oriental Languages*
A.B., Columbia College (Washington, D.C.), 1915
- Frank Hartmond Hamack *Instructor in Business Administration*
LL.B., Georgetown, 1916.
- James Baker Hamilton *Instructor in Civil Engineering*
B.S. (C.E.), Washington, 1924.
- Rachel Elizabeth Hamilton *Associate in French*
B.L., Whitman, 1910; A.M., Washington, 1924.
- Clair Arthaud Hannum *Associate in Zoology*
B.S., Washington, 1923; M.S., 1924.
- Charles William Harris *Professor of Hydraulic Engineering*
B.S. (C.E.), Washington, 1903; C.E., Cornell, 1905.
- Joseph Barlow Harrison *Assistant Professor of English*
A.B., Washington, 1910; A.B., Oxford, 1913.
- George Edward Hawthorn *Instructor in Engineering*
B.S. (C.E.), Washington, 1915; C.E., 1926.
- Norman Sylvester Hayner *Assistant Professor of Sociology*
A.B., Washington, 1920; M.A., Chicago, 1921; Ph.D., 1923.
- Charles Louis Helmlinge *Assistant Professor of Romance Languages*
B.Ph., Wallace College (Ohio), 1911; A.M., Washington, 1915.
- William Bennett Henderson *Extension Lecturer on Foreign Trade*
A.B., Princeton Collegiate Institute, 1891; LL.B., Cumberland, 1892; LL.M., George Washington, 1906.
- William Elmer Henry *Librarian and Director of the Library School*
A.B., Indiana, 1891; A.M., 1892.

- Arthur Philip Herrman.....*Assistant Professor of Architecture*
A.B. (Arch.), Carnegie Institute of Technology, 1920.
- Christian Hildebrand, First Lieutenant, Infantry.....*Instructor in Military Science*
Graduate, U.S. Military Academy, 1919; Basic Course, Infantry School, 1920.
- George Lisle Hoard.....*Instructor in Electrical Engineering*
B.S. (E.E.), Washington, 1917; M.S. (E.E.), 1926.
- Rachel Emilie Hoffstadt.....*Assistant Professor of Bacteriology*
B.S., Hanover, 1908; M.S., Chicago, 1913; Ph.D., 1915; D.Sc., Johns Hopkins, 1921.
- John William Hotson.....*Assistant Professor of Botany*
A.B., McMaster, 1901; A.M., 1902; Ph.D., Harvard, 1913.
- Cecil Leonard Hughes.....*Lecturer on Education*
B.Ed., Washington, 1921; A.M., 1923.
- Glenn Arthur Hughes.....*Assistant Professor of English and Dramatic Art*
A.B., Stanford, 1916; A.M., Washington, 1920.
- Lillian Collison Irwin.....*Lecturer on Hygiene*
M.D., Cooper Medical College, 1898.
- Walter Isaacs.....*Associate Professor of Fine Arts*
B.S. (F.A.), James Millikin, 1909; Academie Colorossi and Academie Moderne, Paris.
- Kirby Jackson.....*Associate in Chemistry*
B.S., Vanderbilt, 1918; M.S., 1919.
- Burton Wakeley James.....*Associate in Dramatic Art*
Cornell; Emerson College of Oratory.
- Arthur Rudolph Jerbert.....*Associate in Mathematics*
B.S., Washington, 1916; M.S., 1923.
- Arlen Johnson.....*Associate in Sociology*
A.B., Reed College, 1917; A.M., Columbia, 1923.
- Charles Willis Johnson.....*Professor of Pharmaceutical Chemistry and*
Dean of the College of Pharmacy.
Ph.C., Michigan, 1896; B.S., 1900; Ph.D., 1903.
- Pamella Pearl Jones.....*Associate in English*
A.B., Iowa, 1906; A.M., 1908.
- Robert William Jones.....*Associate Professor of Journalism*
A.B., Missouri, 1906; LL.B., 1913; A.M., South Dakota, 1918.
- Herbert Spencer Karr.....*Associate in Electrical Engineering*
B.S. (E.E.), Washington, 1923.
- Fred Washington Kennedy.....*Assistant Professor and Director*
of the Journalism Laboratories.
- Sylvia Finlay Kerrigan.....*Associate in English*
A.B., Washington, 1919; A.M., 1923.
- Trevor Kincald.....*Professor of Zoology*
B.S., Washington, 1899; A.M., 1901.
- George Kirchner.....*Instructor in Music*
Leipzig.
- Burt Persons Kirkland.....*Professor of Forestry*
A.B., Cornell, 1905.
- Friedrich Kurt Kirsten.....*Professor of Electrical Engineering*
B.S., Washington, 1909; E.E., 1914.
- Martha Koehne.....*Assistant Professor of Home Economics*
A.B., Ohio State, 1908; A.M., 1910.
- Emily Josephine Kramer.....*Instructor in Design*
Ph.B., Wisconsin, 1924; M.A., Columbia, 1925.
- 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.
- Henry August Langenhau.....*Associate Professor of Pharmacy*
Ph.G., Illinois, 1908; Ph.C., 1909; B.S., Wisconsin, 1913; M.S., 1915; Ph.D., 1918.
- Harvey Lantz.....*Professor of Law*
Ph.B., DePauw, 1888; A.M., 1891; LL.B., Kent Law School, 1893.
- Jakob Aall Ottosen Larsen.....*Assistant Professor of History*
A.B., Luther College, 1908; A.M., Iowa, 1910; A.B., Oxford, 1914; A.M., 1920.
- Frank Joseph Laube.....*Assistant Professor of Political Science*
A.B., Wisconsin, 1899; A.M., Washington, 1913.

- Jane Sorrie Lawson.....Associate in English
A.M., St. Andrews (Scotland), 1906.
- Karl Elias Leib.....Associate Professor of Business Administration
A.B., Stanford, 1916; J.D., 1923.
- Howard Thompson Lewis.....Professor of Economics and Dean of the College of
Business Administration.
A.B., Lawrence College, 1910; A.M., Wisconsin, 1911.
- Hunter Campbell Lewis.....Associate in English
A.B., British Columbia, 1923; M.A., 1925.
- Sarah Virginia Lewis.....Associate in Library Science
University of Wisconsin Library School.
- Roy Eric Lindblom.....Instructor in Electrical Engineering
B.S. (E.E.), Washington, 1922.
- Edgar Allen Loew.....Professor of Electrical Engineering
B.S. (E.E.), Wisconsin, 1906; E.E., 1922.
- Albert Lovejoy.....Associate in Dramatic Art
B.L.I., Emerson College of Oratory, 1924.
- Henry Stephen Lucas.....Assistant Professor of History
A.B., Olivet, 1913; A.M., Indiana, 1915; Ph.D., Michigan, 1921.
- George Andrew Lundberg.....Assistant Professor of Sociology
A.B., North Dakota, 1920; A.M., Wisconsin, 1922; Ph.D., Minnesota, 1924.
- Ruth Margaret Lusby.....Instructor in Institutional Management
B.S., Washington, 1918; A.M., Columbia, 1920.
- Clara Belle Lynch.....Associate in Music
- Eldin Verne Lynn.....Associate Professor of Pharmacology and Chemistry
A.B., Washington, 1909; A.M., Wisconsin, 1910; Ph.D., 1918.
- James McConahey.....Lecturer on Business Administration
B.S., Washington and Jefferson, 1896; M.S., 1899; LL.B., Northwestern, 1899;
C.F.A., 1916.
- Matilda Jane McGownd.....Instructor in Physical Education
B.S., Columbia, 1915; A.M., 1923.
- Harry John McIntyre.....Assistant Professor of Mechanical Engineering
B.S. (M.E.), Washington, 1915; M.B.A., 1923.
- Roderick Duncan McKenzie.....Associate Professor of Sociology
A.B., Manitoba, 1912; Ph.D., Chicago, 1920.
- 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.
- Bryan Towne McMinn.....Instructor in Mechanical Engineering
B.S., Oregon Agricultural College, 1918; M.S. (M.E.), Washington, 1926.
- Laura Edna Mabon.....Associate in Music
Graduate, Conservatory of Music, Carlton College, 1911.
- Carl Edward Magnusson.....Professor of Electrical Engineering and Dean of the
College of Engineering
B.B.E., Minnesota, 1896; M.S., 1897; E.E., 1905; Ph.D., Wisconsin, 1900.
- Gustaf Alfred Magnusson.....Lecturer on Clinic Diagnosis
A.B., New Mexico, 1903; M.D., Minnesota, 1908.
- Charles Emanuel Martin.....Professor of Political Science
B.L., California, 1914; A.M., 1915; Ph.D., Columbia, 1917.
- Charles Culbertson May.....Associate Professor of Civil Engineering and Architecture
B.S. (C.E.), Washington, 1910.
- Edmond Stephen Meany.....Professor of History
B.S., Washington, 1885; M.S., 1899; M.L., Wisconsin, 1901; LL.D., College of
Puget Sound, 1926.
- Evan Kirkpatrick Meredith, Captain, Infantry.....Assistant Professor of Military Science
Stanford; Washington.
- Alfred Lawrence Miller.....Instructor in Civil Engineering
B.S. (C.E.), Washington, 1920; C.E., 1926.
- Robert Cunningham Miller.....Assistant Professor of Zoology
A.B., Greenville, 1920; A.M., California, 1921; Ph.D., 1923.
- Loren Douglas Milliman.....Associate Professor of English
A.B., Michigan, 1890.

- Charles Church More.....*Professor of Structural Engineering*
C.E., Lafayette, 1898; M.C.E., Cornell, 1899; M.S., Lafayette, 1901.
- William Daniel Moriarty.....*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., Strassburg, 1902.
- Florence May Morse.....*Instructor in Business Administration*
A.B., Colorado, 1910; A.M., 1912; Ph.D., Columbia, 1925.
- Henry Clinton Kress Muhlenberg, Major, Air Service.....*Assistant Professor of Military Science and Tactics*
Graduate, U.S. Military Academy, 1908; Graduate, Command and General Staff School, Fort Leavenworth, 1924.
- Hermanne Mullemeister.....*Instructor in Mathematics*
Phil.Cand., Royal University of Utrecht, Holland, 1910; Ph.D., 1913.
- Thomas Francis Mundle.....*Associate in English*
M.A., St. Andrews, 1923.
- Lewis Irving Nelkirk.....*Assistant Professor of Mathematics*
B.S., Colorado, 1898; M.S., 1901; Ph.D., Pennsylvania, 1903.
- Irene Margaret Neilson.....*Acting Associate in Music*
B.M., Washington, 1922.
- Kirsten Larssen Newberry.....*Associate in Physics*
B.S., Washington, 1919; M.S., 1924.
- Harold Watson Nightingale.....*Instructor in Fisheries*
B.S., Massachusetts Institute of Technology, 1914; M.S., Washington, 1925.
- James Matthew O'Connor, Jr.....*Editorial Secretary and Associate in Journalism*
A.B., Washington, 1921; M.A., 1926.
- Caroline Haven Ober.....*Professor of Spanish*
- Joseph Grattan O'Bryan.....*Lecturer on Law*
A.B., Jesuit College (Denver), 1893.
- Frederick Wesley Orr.....*Associate Professor of English*
B.L., Drury College, 1901; G.C.D., Boston School of Expression, 1905;
M.A., Lawrence College, 1925.
- Frederick Arthur Osborn.....*Professor of Physics and Director of Physics Laboratories*
Ph.B., Michigan, 1896; Ph.D., 1907.
- Cornelius Osseward.....*Lecturer on Pharmacy*
Ph.G., Columbia, 1892; Ph.C., Northwestern, 1896.
- 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.
- Maude Parson.....*Extension Associate in Public Health Nursing*
B.S., Washington, 1924.
- Ambrose Patterson.....*Associate in Fine Arts*
Melbourne National Gallery, Victoria, Australia; Julien, Colorossi and Delocluse Academies, Europe.
- Virginia Cunningham Patty.....*Assistant Professor of Home Economics*
B.S., Columbia, 1926.
- Otto Patzer.....*Associate Professor of French*
B.L., Wisconsin, 1898; M.L., 1899; Ph.D., 1907.
- Marjorie Whipple Peterson.....*Associate in Chemistry*
A.B., Colorado, 1917; M.S., Washington, 1924.
- Frederick Powell.....*Lecturer on Gold Dredging*
E.M., Columbia.
- Sargent Powell.....*Instructor in Chemistry*
B.S., M.S., Washington, 1916; Ph.D., Illinois, 1919.
- Dudley Pratt.....*Assistant Professor of Fine Arts*
A.B., Yale, 1919.
- Howard Hall Preston.....*Professor of Business Administration*
B.S., Coe, 1911; A.M., Iowa, 1914; Ph.D., 1920.
- Marguerite Putnam.....*Associate in Library Science*
A.B., Washington, 1921; B.S., 1923.

Alphabetical List of the Faculty

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- Cecil Eden Qualnton.....*Instructor in History*
B.A., Manitoba, 1918; B.A., Cambridge, 1924.
- Ethel Sanderson Radford.....*Associate in Chemistry*
A.M., McGill, 1895.
- Effie Isabel Ralitt.....*Professor of Home Economics*
B.S., Columbia, 1912; A.M., 1919.
- Edgar Dunnington Randolph.....*Professor of Education*
Graduate, Eastern Illinois State Normal School, 1905; A.B., Denver, 1911;
A.M., Columbia, 1915; Ph.D., 1922.
- Helen Nelson Rhodes.....*Instructor in Design*
Student, National Academy of Design; Columbia.
- Oliver Huntington Richardson.....*Professor of European History*
A.B., Yale, 1889; A.M., Ph.D., Heidelberg, 1897.
- George Burton Rigg.....*Associate Professor of Botany*
B.S., Iowa, 1896; B.D., 1899; A.M., Washington, 1909; Ph.D., Chicago, 1914.
- Eilene French Risegarl.....*Instructor in Music*
B.Mus., Washington, 1916; A.M., Columbia, 1920.
- Alexander Crippen Roberts.....*Professor of Education and Director of the Extension Service*
A.B., Wisconsin, 1906; A.M., Washington, 1917; Ph.D., 1922.
- Milnor Roberts.....*Professor of Mining Engineering and Metallurgy and Dean of the College of Mines*
A.B., Stanford, 1899.
- James Postlewait Robertson.....*Lecturer on Accounting*
C.P.A.
- Moritz Rosen.....*Associate Professor of Music*
Graduate, Warsaw Conservatory, Russia.
- Jessie Irene Rowntree.....*Acting Assistant Professor of Home Economics*
B.S., Wisconsin, 1918; M.S., Chicago, 1925.
- Primitivo Elio Rodriquer Sanjurjo.....*Acting Assistant Professor of Romantic Languages*
B.L., Instituto de Oreuse, 1914; LL.B., Salamanca, 1900; Ph.D., Madrid, 1905.
- 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.
- Gilbert Simon Schaller.....*Assistant Professor of Shop Engineering*
B.S., Illinois, 1916; M.B.A., Washington, 1925.
- Otto Harry Schrader, Major, C.A.C.....*Assistant Professor of Military Science and Tactics*
B.S. (E.E.), Purdue, 1908.
- Alfred John Schweppe.....*Lecturer on Law*
A.B., Wisconsin, 1916; M.A., 1917; LL.B., Minnesota, 1922.
- Jessie Waite Scott.....*Acting Associate in Home Economics*
A.B., Washington, 1924.
- Waldo Semon.....*Instructor in Chemistry*
B.S., Washington, 1920; Ph.D., 1923.
- Gordon Russell Shuck.....*Assistant Professor of Electrical Engineering*
E.E., Minnesota, 1906.
- Thomas Kay Sidey.....*Associate Professor of Latin and Greek*
B.A., Toronto, 1891; Ph.D., Chicago, 1900.
- Lurline Violet Simpson.....*Associate in French*
A.B., Washington, 1920; A.M., 1924.
- Macy Milmore Skinner.....*Associate Professor of Business Administration*
A.B., Harvard, 1894; A.M., 1896; Ph.D., 1897.
- Charles Wesley Smith.....*Reference Librarian and Associate Professor of Library Economy*
A.B., Illinois, 1903; B.L.S., 1905.
- Ell Victor Smith.....*Assistant Professor of Zoology*
Ph.B., Illinois Wesleyan, 1907; A.M., Washington, 1909; Ph.D., Northwestern, 1911.
- George McPhail Smith.....*Professor of Inorganic Chemistry*
B.S., Vanderbilt, 1900; Ph.D., Freiburg, 1903.
- George Sherman Smith.....*Instructor in Electric Engineering*
B.S. (E.E.), Washington, 1916; E.E., 1924.
- Harry Edwin Smith.....*Associate Professor of Business Administration*
A.B., DePauw, 1896; Ph.D., Cornell, 1912.

- Stevenson Smith.....*Professor of Psychology*
A.B., Pennsylvania, 1904; Ph.D., 1909.
- Harriet Vivian Snidow.....*Associate in Pharmacy*
Ph.G., B.S., Oregon Agricultural College, 1923; M.S., Washington, 1925.
- Elizabeth Soule.....*Associate in Nursing and Public Health*
Graduate, Malden, Massachusetts, Hospital School of Nursing, 1907.
- Matthew Lyle Spencer.....*Professor of Journalism and Dean of the School of Journalism*
A.B., Kentucky Wesleyan, 1903; A.M., 1904; Northwestern, 1905;
Ph.D., Chicago, 1910
- Ottis Bedney Sperlin.....*Lecturer on English*
A.B., Indiana University, 1903; Ph.M., Chicago, 1908.
- Leslie Spier.....*Assistant Professor of Anthropology*
B.S., College of City of New York, 1915; Ph.D., Columbia, 1920.
- Edwin Noble Stone.....*Lecturer on Classical Languages*
A.B., Olivet College, 1891; A.M., 1893.
- Alfrida Storm.....*Instructor in Design*
B.F.A., Washington, 1925.
- Wayne Campbell Sutton.....*Associate in Physical Education*
A.B., Washington, 1915.
- Elaine Isabelle Swenson.....*Extension Associate in Education*
B.Mus., Washington, 1924.
- Herman Vance Tartar.....*Associate Professor of Chemistry*
B.S., Oregon Agricultural College, 1902; Ph.D., Chicago, 1920.
- Joseph Marion Taylor.....*Associate in Mathematics*
M.S., Adrian, 1886.
- Thomas Gordon Thompson.....*Associate Professor of Chemistry*
A.B., Clark, 1914; M.S., Washington, 1915; Ph.D., 1918.
- David Thomson.....*Professor of Latin, Dean of the College of Liberal Arts and Dean of Faculties*
B.A., Toronto, 1892.
- Arthur Truax.....*Lecturer on Business Administration*
- George Wallace Umphrey.....*Professor of Romance Languages*
B.A., Toronto, 1899; A.M., Harvard, 1901; Ph.D., 1905.
- Edgar Harrison Underwood, Captain, C.A.C.....*Assistant Professor of Military Science and Tactics*
B.S. (C.E.), Tennessee, 1916; Grad., Coast Artillery School, 1922.
- Frank Chester Van de Walker.....*Associate in Business Administration*
A.B., Whitworth, 1917; M.B.A., Washington, 1923.
- Robert Van Horn.....*Instructor in Engineering*
B.S. (C.E.), Washington, 1916; C.E., 1926.
- Louise Van Ogle.....*Assistant Professor of Music*
Theoretical Work, Dr. Bridge, Chester, England; Richter, Leipzig; Piano, Godowsky, Berlin; Lhevinne, Berlin; Harold Bauer, Paris.
- Albert Franz Venino.....*Associate Professor of Music*
New York Conservatory of Music; Pupil of Leschetitzky.
- Luella Venino.....*Associate in Music*
Leschetitzky.
- Bertha Almen Vickner.....*Associate in English*
A.B., Gustavus Adolphus, 1910; A.M., Washington, 1917.
- Edwin John Vickner.....*Professor of Scandinavian Languages*
A.B., Minnesota, 1901; A.M., 1902; Ph.D., 1905.
- Edward Charles Wagenknecht.....*Associate in English*
B.T., Union Theological College, 1921; Ph.B., Chicago, 1923; M.A., 1924.
- Frank Melville Warner.....*Assistant Professor of Engineering*
B.S. (M.E.), Wisconsin, 1907.
- Charles Hoyt Watson.....*Associate in Education*
A.B., Kansas, 1918; M.A., 1923.
- Charles Edwin Weaver.....*Professor of Paleontology*
B.S., California, 1904; Ph.D., 1907.
- John Weinzirl.....*Professor of Bacteriology*
B.S., Wisconsin, 1896; M.S., 1899; Ph.D., 1906; Dr. P.H., Harvard, 1918.

- Elenora Wesner.....Associate in German
A.B., Chicago, 1915; A.M., Northwestern, 1923.
- Earl Downs West.....Associate in Mathematics
A.B., Ohio State College, 1900; A.M., Adrian College, 1908.
- Elmer James White.....Associate in Engineering
B.S. (M.E.), Washington, 1923.
- Walter Bell Whittlesey.....Instructor in French
A.B., Washington, 1907; A.M., 1909.
- Elgin Roscoe Wilcox.....Assistant Professor of Civil Engineering
B.S., Washington, 1915; Met.E., 1919.
- Curtis Talmadge Williams.....Assistant Professor of Education
A.B., Kansas State Normal, 1913; A.M., Clark, 1914; Ph.D., 1917.
- Laurin Lyman Williams, Captain, Infantry.....Assistant Professor of Military Science
A.B., Yale, 1917; Graduate, Basic Course, Infantry School, 1921.
- George Samuel Wilson.....Professor of Mechanical Engineering
B.S., Nebraska, 1906.
- Hewitt Wilson.....Associate Professor of Ceramics
Cer.Engr., Ohio State University, 1913.
- Roy Martin Winger.....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.
- Arthur Melvin Winslow.....Associate Professor of Mechanical Engineering
Ph.B., Brown, 1903; B.S., Massachusetts Institute of Technology, 1906.
- Sophus Kelth Winther.....Associate in English
A.B., Oregon, 1918; A.M., 1919.
- Arthur Evans Wood.....Visiting Professor of Sociology
A.B., Harvard College, 1906; S.T.B., Harvard Divinity School, 1911;
Ph.D., Pennsylvania, 1920.
- Carl Paige Wood.....Associate Professor of Music
A.B., Harvard, 1906; A.M., 1907.
- 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.....Professor of Anatomy
M.D., Birmingham School of Medicine, Alabama, 1900.
- Eugenie Hutchinson Worman.....Associate in Fine Arts
Pratt Institute.
- Conrad Zimmerman.....Lecturer on Timber Physics
A.B., Washington, 1908.

BOARDS AND COMMITTEES

1926-1927

ADMINISTRATIVE BOARDS

ADMISSIONS.....	The Board of College Deans
BOARD OF DEANS—Thomson, Magnusson, M. Roberts, Johnson, Winkenwerder, Padelford, Landes, Bolton, Glen, Lewis, Cobb, Henry, Schweppe, A. C. Roberts, J. E. Gould, Haggett, Stevens.	
SCHEDULE AND REGISTRATION—Stevens, George Wilson, Tartar, Sidey, Draper, Dresslar, Saunders, Wood, Carpenter, W. B. Jones, Brakel, DeVries, Daniels.	
STUDENT DISCIPLINE.....	Landes, Lantz, Thomson, Guthrie, McIntyre
SUMMER QUARTER.....	A. C. Roberts, Thomson, Padelford, Bolton, Landes, Condon

COMMITTEES OF THE FACULTY

ART.....	Isaacs, C. Gould, Pratt
ATHLETICS.....	May, L. J. Ayer, Hall, Moritz, Dehn
CURRICULUM—Cobb, E. T. Clark, Benson, Schweppe, Corey, Patzer, Dakan, A. C. Roberts, Randolph, Lynn, Herrman, George S. Smith, Stevens, Alfonso.	
GRADUATION—Preston, Magnusson, Glen, Lantz, Kirkland, Williams, Griffith, Goodspeed, Hoard, Stevens.	
HONORS.....	Gavett, Goodner, Carpenter, T. S. McMahon, Wood, J. E. Gould
LIBRARY—Henry, Thomson, Padelford, Frye, Richardson, Patzer, Loew, Preston, C. W. Smith	
PUBLICATIONS.....	Henry, Padelford, Magnusson, Frye, E. G. Cox, Kennedy
PUBLIC EXERCISES.....	Winger, A. C. Roberts, Lovejoy, L. Gowen, Lawrence
RELATIONS WITH SECONDARY SCHOOLS—Bolton, Frein, E. McMahon, Rigg, C. L. Hughes, Stevens.	
RHODES SCHOLARSHIPS.....	Densmore, Harrison, Cole, Quantin
RULES.....	Goodner, More, Parrington, Skinner, Huggett, J. E. Gould, Stevens
STUDENT AFFAIRS—W. E. Cox, C. W. Johnson, McKenzie, Haggett, E. T. Clark, Winslow, Gross, Harrison, Draper, and eight representatives of student organizations.	
STUDENT WELFARE AND LOANS—J. E. Gould, Haggett, Raitt, Hall, Densmore, Wilcox, Condon.	

THE UNIVERSITY

HISTORY

The foundation for establishment of the University of Washington was laid in 1854, when Governor Isaac Ingalls Stevens, in his message to the first legislature, recommended that Congress be memorialized to appropriate land for a university. Two townships subsequently were 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. The building was completed in specified time and on November 4, 1861, classes were opened for students.

For thirty-four years the University occupied the original tract, but in the later eighties it became apparent that the campus eventually would be outgrown. By 1890 the growth both of the University and of Seattle's business district evinced the necessity of more ample grounds.

To meet this need, the legislature passed a bill on March 7, 1893, providing for the relocation, construction and maintenance of the University of Washington. A fractional section of land consisting of 355 acres between Lakes Washington and Union, the present site of the University, was purchased, and on the completion of Denny Hall and some minor buildings the University moved to its present location in September, 1895.

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 comparatively little revenue. The income from this property in years to come will greatly help to support the institution.

The legislature of 1925 increased the millage rate for operation from 1.10 of a mill to 1.47, but based this rate on the then assessed valuation of \$1,158,000,000. This will yield annually \$1,702,300.00, which augmented by sundry property receipts and tuitions should yield approximately \$1,937,000 for 1927-1928 and annually thereafter until modified by law.

The property of the University includes:

The two townships of land granted by Congress in 1854. There remains of this old grant some 3,000 acres.

The old University site, consisting of the tract of 8.32 acres, donated in 1861 by Arthur Denny and his wife; and 1.67 acres donated by Charles C. Terry and wife and Edward Lander. This "ten-acre tract" lies in the business center of Seattle, and is rapidly enhancing in value.

One hundred thousand acres of land segregated by the state March 14, 1893.

The University campus consisting of 582 acres of land and waterways.

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, such as the following, will be sufficient:

"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 fund named).

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

GROUND

The campus contains 582 acres, 109 of which are open water. The land is all within the city limits of Seattle, lying between Lakes Union and Washington, with a shore line of more than one mile on Lake Washington and about a quarter of a mile on Lake Union.

BUILDINGS

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

PLAN OF THE CAMPUS

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

Since the adoption of the group plan ten buildings have been erected. Home Economics, Philosophy, Commerce and Education Halls on the Liberal Arts Quadrangle. Locations for three additional buildings are provided to complete this group. The four buildings adjacent to the Science group are Hydraulics, Forest Products, Mines Laboratories and Anderson Hall.

The first unit of the new library building is nearing completion and will be occupied January 1, 1927. A new forestry building, the gift of Mrs. Alfred H. Anderson, known as the Alfred H. Anderson Memorial Hall, was completed during the last biennium. A new building, the gift of Horace C. Henry, to be known as the Horace C. Henry Gallery of the Fine Arts, is under construction. It will be completed in December, 1926.

The plan provides for foot traffic only within the quadrangles. Automobile and service roads are provided to give access to the various groups, and scenic driveways encircle the campus. The ground to the west of Montlake Boulevard is reserved for athletics and the Stadium seating 30,000 persons has been built in this section of the campus by the Associated Students of the University of Washington. The Gymnasium is to be placed halfway between the Academic Group and the athletic fields, with a connection by bridge over Montlake Boulevard.

Denny Field already has been moved to conform to the group plan which provides for a Women's Group in the northeast section of the campus, including a women's dormitory and women's gymnasium.

The northwest section of the campus is reserved for men's dormitories. Between these two proposed groups Memorial Way enters from the north as the continuation of University Boulevard.

LIBRARY FACILITIES

The general library contains 153,879 volumes, and receives 1076 current magazines. More than 12,000 volumes were added in 1924-25.

The library of the Law School contains more than 46,000 volumes. The books of both libraries are freely accessible to all who care to use them.

In addition to the libraries on the campus, the Seattle Public Library, containing 368,612 volumes, is open to the University.

MUSEUMS

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

The museum collections number over 100,000 specimens with an approximate value of \$250,000. Extensive exhibits are arranged showing the mineral, lumbering, and horticultural resources of the state and Alaska. An exhibit of local birds is arranged in systematic order and in groups showing their natural habitats. Elaborate habitat groups of large animals, including elk, bear, deer, mountain goats and cougar, mounted according to the latest methods of scientific taxidermy, have been installed or are in process of installation. The marine fauna are represented by a series of mounted fishes of the northwest coast, corals, sponges, crustaceans, and mounted shells. Rare specimens illustrative of the extinct mammoth and mastodon from Alaska and the state of Washington are also on exhibition.

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

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

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

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

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

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

The herbarium of over 20,000 specimens contains a characteristic series of northwest flora virtually all of which are card indexed. There is also the Frye collection of mosses of this region and Alaska, which is one of the most complete in the United States.

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

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

HORACE C. HENRY GALLERY OF THE FINE ARTS

The Horace C. Henry Gallery of the Fine Arts will be completed about December 1, 1926. This building and its collection of modern paintings are the gift of Horace C. Henry of Seattle.

It includes the work of about two hundred representative painters, which will be invaluable to the College of Fine Arts in the teaching of painting and art appreciation. The United States is represented by such names as Beckwith, Blakelock, Chase, Cox, Guerin, Hassam, Homer, Inness, Martin, Melchers, Murphy, Ranger, Weir, Wyant. French painting is represented by Bonheur, Cazin, Corot, Daubigny, Delacroix, Diaz, Dupre, Jacque, Rousseau, Troyon, and others. Typical work of the schools of England, Spain, Holland, Germany and Sweden are also included.

LABORATORIES

The University of Washington has laboratories fully equipped for work in anatomy, astronomy, botany, chemistry, (including separate laboratories devoted to general chemistry, analytical chemistry, food inspection and analysis, physiological, industrial and pharmaceutical chemistry), geology, psychology, physics and zoology.

ENGINEERING LABORATORIES

Aeronautical Engineering.—The aerodynamics laboratory contains a standard 4 ft. x 4 ft. wind tunnel with complete equipment of automatic scales for experiments with air-foils, stream-lined body shapes and propellers. A shop in the laboratory facilitates the materialization of new ideas in the line of aerodynamical investigation and research. The wind

tunnel has been a source of valuable information to local airplane industries.

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

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

The materials testing laboratory contains five universal testing machines with capacities from 30,000 to 300,000 pounds, two impact machines with various hammers ranging in weight from 550 to 1500 pounds, with the necessary auxiliary apparatus for general work.

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

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

The surveying equipment consists of all the necessary instruments for plane and topographic surveying.

Electrical Engineering.—The dynamo laboratory contains twenty-three alternating and forty-one direct current generators and motors. The machines are of modern design and have a combined capacity of 375 kilowatts in direct current machines and 325 kilowatts in alternating current machines. Most of the machines are of five- or ten-kilowatt capacity. Power from a storage battery of 60 cells is available at a separate switchboard in the dynamo laboratory. The university power house, containing three steam-driven units of 400, 200 and 100 kilowatts, serves as a commercial laboratory for testing purposes.

Nine smaller rooms are devoted to the following: (a) Instrument making and repairing, (b) grinding room and shop, (c) instrument and stock room, (d) telephone laboratory, (e) electrolysis and special thesis problems, (f) storage battery rooms, (g) three dark rooms for photometry work, (h) radio laboratory, (i) transmission line laboratory. The instrument room contains 364 standard indicating and recording ammeters, voltmeters and wattmeters, four three-element G.E. oscillographs, a G.E. (Tirrell) A.C. regulator, a Fahy fluxometer, a klydonograph, a Tinsley A.C. potentiometer and a large collection of rheostats, tachometers, circuit breakers, instrument transformers and accessory apparatus.

Engineering Shops.—The shops are organized as a modern production unit with each of the five shop departments a contributing factor. The work is routed successively through a pattern shop, foundry, forge shop, machine shop and assembly departments where it is completed and finally inspected.

Mechanical Engineering.—The steam and experimental laboratory is fully equipped with steam apparatus, including engines aggregating 1000 H.P., simple and compound, high speed and Corliss types; steam turbines;

jet and surface condensers; injector; centrifugal pumps; steam calorimeters; indicators; calibrating appliances; oil testing machine; gas engines of stationary and automobile types; a semi-Diesel 2-cylinder oil engine; Sprague electric dynamometer; Webster radiator testing outfit for vacuum systems of heating; ventilation fan equipment for tests; Nash vacuum pump; equipment for automobile testing; belt and pulley testing machine; 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.

FISHERIES LABORATORIES

Ichthyology Laboratory.—The ichthyology laboratory contains an extensive collection of named fishes, particularly rich in species from Puget Sound and Alaska. By exchange and other means a representative series of the fishes found in American waters, with particular reference to forms of economic importance, is being built up. There is 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 study of life histories of various parasites of aquatic animals, including aquaria for live subjects, and dark rooms for studying effects of various colored lights on the animals.

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

Canning Laboratory.—The canning laboratory is equipped with all machinery and appliances necessary for preparation and canning of all varieties of food products, in either glass or tin containers, including paring and slicing machinery, preparation table, exhaust box, closing machines and retorts. Here instruction is given in the usual commercial methods, while research is carried on in the development of new methods or the modification of the old to meet new conditions.

Curing and Drying Laboratory.—The curing laboratory contains the necessary equipment for making pickling solutions and brines, and for the drying, pickling, mild-curing and smoking of the various food products.

Fish Preservation Laboratories.—Ultimately a small refrigeration and cold storage plant will be installed for economic study of various methods of freezing and preserving food products in cold storage.

A smokehouse will be built for the purpose of carrying on experiments in smoking of various species and their utilization as food either in this condition or canned.

Testing Laboratory.—The testing room has a constant temperature of approximately 98° Fahrenheit, and in it samples of canned fishery products can 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 are also available.

Research Laboratory.—The research laboratory contains the necessary chemical and bacteriological apparatus for investigation of problems of the food preserving industry. Laboratory desks are equipped with water, gas and electricity, and with balances, microscopes, apparatus for microphotography, pressure cookers and hand closing machines. The equipment in-

cludes sterilizers, incubator, vacuum drying ovens, hot-plates, and the necessary glassware.

FOREST AND LUMBERING LABORATORIES

Dendrology.—Individual lockers. A large herbarium and extensive collections of tree seeds, cones, bark specimens. An arboretum of 160 acres, practically adjoining the University campus and to be managed in cooperation with the park board of the City of Seattle, is under way.

Logging.—Logging camps in the vicinity of Seattle afford unequalled opportunities for field work. Collections of logging equipment, such as wire rope, axes, saws, hooks, blocks, special appliances for donkey engines, a working model of a steam yarding engine and models of high lead yarding. A Dolbeer and a single drum donkey engine are installed in the logging engineering laboratory. New material is constantly being added to these collections.

Milling.—Field trips to the sawmills in and near Seattle. Extensive collections of lumber showing patterns and grades, shingles, saws, planer knives, belting, chain and other sawmill equipment. Additions to these collections are now being made very rapidly.

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

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

Timber Physics.—Laboratory work is conducted 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, and forms the first completely equipped unit of the Forest Products laboratory.

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

Forest Products Laboratories.—The Forest Products Laboratory will in the future house all research work in forest products, and has been planned with special provisions for an extensive pulp and paper laboratory, a wood preservation laboratory and special laboratories for research in wood technology, pathology, wood chemistry and wood utilization. The laboratories for work in forest products now ready on the campus consist of five distinct units, as follows:

1. General Laboratory.—Equipped with special wood sectioning and plain sliding microtomes, binocular research microscopes with mechanical stage and microscopes of usual pattern, special illuminating devices for microscopic studies, micro-projection apparatus, water-baths, large and small gas and electric drying ovens, platform scales, analytical and pulp balances, all apparatus necessary for the technical examination of wood preservatives, standardized thermometers, en-

larging and reducing camera, standard horizontal photo-micrographic apparatus, dark room, and all incidental apparatus required in the detailed study of woody tissues.

2. Wood Preservation Laboratory.—A 14-inch by 12-foot retort, equipped with vapor drum and condenser, air compressor, vacuum pump and duplex pressure pump, is arranged for experimental work with any pressure process of treating wood. An open-tank plant of semi-commercial size is available for treatment of 9-foot material. It consists of one treating tank, two steel storage tanks for creosote and a wooden tank for the storage of metallic-salt solutions.

3. Wood Distillation Laboratory.—A retort of about one-half cord capacity is equipped with copper condensers, gas pump, gas tank and redistilling apparatus. This plant has been installed by the U.S. Forest Service for cooperative work with the University.

4. Dry Kiln Laboratory.—A dry kiln with a capacity of 10,000 feet B.M., equipped with a temperature controller, air compressor, hygromet, recording hygrometer and a recording thermometer is conveniently located on the University spur of the Northern Pacific Railway. Arrangements have also been completed at one of the local commercial plants whereby the College of Forestry is given complete control of an experimental kiln at the plant.

5. Pulp and Paper Laboratory.—A 100-pound capacity digester and a beating engine of equivalent capacity are provided for research in the pulping of wood. These will be installed in the near future.

6. Plywood Laboratory.—A special machine for testing the strength of plywood, a glue mixer, hydraulic press and all apparatus for the detailed study of plywood are provided.

Commercial Plants.—Plants for 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 stand of timber of over a billion and a half feet. Nearly all species of the Pacific Northwest are represented, but more than three-fourths is composed of Douglas fir, cedar and hemlock. As there is an excellent representation of age classes, the tract lends itself readily to scientific forest management. It is estimated that the tract will yield about \$75,000 annually on a substantial yield basis. It is expected that title to the tract will be completed this year.

The Charles Lathrop Pack Forest.—This is a tract of 335 acres located at LaGrande, Washington, adjoining the Rainier National Park Highway. The tract will be used as an experiment station and as a public demonstration forest, the idea being to place forestry on display in show window fashion so the public may learn of the various methods of scientific forestry. It is admirably adapted for this purpose, having a frontage of about one mile on the highway and presenting a wide range of conditions. About one-third of the forest is second growth partly logged, one-third virgin Douglas fir forest with a stand of nearly a million and a half feet of timber, and the remainder is logged off and burned over. All of these areas are plainly visible from the highway. The money for the purchase of the forest and for putting it in shape was provided from the Charles Lathrop Pack Forestry Trust and by Doctor Pack himself.

JOURNALISM LABORATORIES

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

MINING, METALLURGICAL AND CERAMIC LABORATORIES

Mining, Ore Dressing, Metallurgy.—Mines Laboratory contains the offices, library, classrooms, laboratories, stockroom and balance room for assaying and general metallurgy. the mining and milling machinery, supplies, and stocks of ore, and a metallographic laboratory. A change-room with steel lockers and showers is provided. The building is of steel-frame and concrete construction, four stories in height, and designed in the Tudor-Gothic architecture of the more recent University buildings.

The metallurgical equipment includes standard size furnaces, pyrometers of several types, cyanide equipment, electrolytic apparatus, amalgamating devices, blowers, calorimeters, balances. sampling machines, and exhibits of metallurgical processes and products.

The mining equipment consists of air compressors, receivers, three rock drills, aerial tram, hand tools, full equipment for practice in blasting, loading and tamping models, and illustrative exhibits. The following ore dressing equipment is in use: breakers, rolls, feeders, screens, classifiers, jigs, concentrating tables, flotation cells of several types, magnetic separator, and accessory apparatus. Other pieces of equipment now on hand will be erected as soon as space is provided for them.

Ceramics.—The ceramic equipment, offices and class rooms are housed in Mines Laboratory. The apparatus may be used for both manufacturing and testing ceramic products. The heavy brick machinery consists of a 4-foot Crossley dry and wet pan, a Mueller universal auger machine with cutting table, and a large American dry brick press. Pottery machinery includes a Patterson clay washing outfit with a double blunger, power screens, agitator, pump and filter press, a potter's pug mill, jolly wheel and plaster molds for both jollying and casting ware. The terra cotta equipment consists of pressing molds, a De Vilbiss spraying apparatus, engobe and glaze materials, and glaze-grinding ball mills. Firing apparatus includes an oxygen acetylene cone-fusion furnace; a 3-foot, high-temperature, load-test kiln for two bricks; two portable muffle pottery kilns; a 10 by 7-foot muffle down-draft terra cotta kiln; and a two-pot, 4 by 10-foot glass furnace. The kilns are fired with both gas and oil, and are equipped with thermo-couple, radiation, and optical pyrometers.

Coal Washing.—The coal section of Mines Laboratory consists of three floors surrounding an open well or hatch, a lower main floor, and a sub-basement. Coal for testing is received on the ground floor, in lots up to thirty tons, and is screened to remove large sizes. Smaller sizes pass into a concrete bin from which they are drawn to elevators for transportation to screens on the fourth floor, the screened products falling into bins on the third floor. From the bins, gravity flow delivers the screened sizes to the second floor, where classifiers, jigs, tables, and other forms of washing equipment are located. Products from these machines may flow to a sludge tank on the lower floor for settling and dewatering.

The building also contains fuel and analytical laboratories for the College of Mines and the U.S. Bureau of Mines, a room for conducting float-and-sink tests, a sampling room, a coal crushing and grinding room

for the preparation of samples, a large sludge tank with automatic rakes, and a two-stage compressor which supplies air for the entire building.

Mines Laboratory represents five-ninths of a complete building. Plans have been drawn for the remaining portion and construction of it should be finished in the fall of 1926. In the new portion the two lower floors will be occupied by the offices of the Northwest Experiment Station of the United States Bureau of Mines and by the laboratories in mining and ore dressing. All the crushing, grinding, and other heavy machinery will stand on the ground floor, from which a lift will convey materials to the second floor and the mezzanine above it. The third floor will contain the offices, classrooms, library, and collection room. The fourth floor will be devoted exclusively to metallurgy; special laboratories are provided for fire assaying, wet analysis, general metallurgy, metallography, electrolytic work, photography and research. The whole building will have service of hot and cold water, steam, gas, electric current in three forms, and compressed air under high and low pressures.

PHARMACY AND MATERIA MEDICA LABORATORIES

Rooms devoted to pharmacy, materia medica and chemistry are located in Bagley Hall, a three-story fireproof building. Special sections are provided for pharmacy students in general, organic and qualitative chemistry. Work in prescription practice receives special attention in a room constructed and arranged as a model prescription pharmacy. The materia medica room contains a museum of several hundred samples of official and unofficial crude drugs. One room is given to drug assaying and food analysis. The examination of official food and drug samples for the state is under direction of the dean of the College of Pharmacy in a well equipped laboratory devoted to this purpose. Pharmacy students taking botany, physiology and bacteriology have well equipped laboratories in Science Hall.

PHYSICS LABORATORIES

In addition to its general laboratories the department of physics is rapidly equipping the Bureau of Testing to meet the demands for accurate calibration and testing of scientific instruments. Standards of the bureau will be calibrated by the National Bureau of Standards at Washington, D.C. The bureau is prepared to calibrate direct and alternating current instruments, determine candle power of lamps, measure temperature, both high and low, and, to a limited extent, to standardize weights. Persons desiring to have work done should address the director, Frederick A. Osborn.

UNITED STATES BUREAU OF MINES NORTHWEST EXPERIMENT STATION

The Department of Commerce maintains at the College of Mines its Northwest Experiment Station, which serves the Pacific Northwest and the coast regions of Alaska. The headquarters of the station, from which all operations in this territory are directed, are in the Bureau of Mines building, which is opposite Bagley Hall. At present the principal investigation being conducted by the station are in the treatment and uses of coal, and in ceramics. Members of the experiment station staff give occasional lectures to the students of the University on subjects dealing with their special lines of work.

Mine Safety Station.—The Mine Safety Station of the United States Bureau of Mines occupies a separate building located near Laurelhurst boulevard. Various types of oxygen rescue and resuscitation apparatus are kept on hand for practice and 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 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 safety station.

ENGINEERING EXPERIMENT STATION

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

The scope of the work is two-fold:

(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 solution of engineering problems. Every effort will be made to cooperate effectively with professional engineers and the industrial organizations in the state. Investigations of primary interest to the individual or corporation proposing them, as well as those of general interest, will be undertaken through the establishment of fellowships.

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

For administrative purposes, the work of the station is organized into eight divisions: (1) forest products, (2) mining, metallurgy and ceramics, (3) aeronautical engineering, (4) chemical engineering and industrial chemistry, (5) civil engineering, (6) electrical engineering, (7) mechanical engineering, (8) physics standards and tests. Inquiries in regard to the work of the Experiment Station should be addressed to the director.

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.

GENERAL INFORMATION

THE UNIVERSITY ORGANIZATION

The University of Washington is one of five institutions of higher education which complete the state's system of public education, 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.—The University is organized in the following schools and colleges:

- (A) *The Colleges of Liberal Arts and Science*, which provide a liberal education in arts and pure science, in a course normally requiring twelve quarters of residence, leading 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 the fundamental scientific training in industry and commerce in a course of twelve quarters leading to the degree of bachelor of business administration.
 - (2) *The School of Education* requires for admission six quarters of approved work in any college of the University, and offers an advanced course of six quarters preparing students for careers as high school teachers and school administrators. The degrees are bachelor of arts or bachelor of science, in education. Students in the College of Liberal Arts may major in the department of education and receive the degree of bachelor of arts.
 - (3) *The College of Engineering* has four departments: chemical, civil, electrical and mechanical engineering (including aeronautical and marine), with curricula of twelve quarters leading 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 public school music, or musical theory, painting and design, public school drawing, music and drawing, and dramatic art, leading to the degrees of bachelor of architecture, bachelor of music and bachelor of fine arts, or bachelor of arts with a major in one of the subjects named.
 - (5) *The College of Fisheries* lays a scientific foundation for work connected with the fisheries industry, one of the chief resources of the Pacific Coast. Bachelor of science in fisheries is the degree offered.
 - (6) *The College of Forestry* offers a curriculum of twelve quarters preparing for work in scientific forestry or in the lumber industry, leading to the degree 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 is given in the Graduate School.

- (7) *The School of Journalism* requires for entrance the junior certificate, that is, completion of two years of college work in liberal arts or science. The curriculum leads to the degree of bachelor of arts in journalism and prepares its students for practical newspaper work.
 - (8) *The School of Law* is the standard of approved law schools for admission to the bar of this state. For admission the student must present a junior certificate from the College of Liberal Arts or the College of Science, or its equivalent. The curriculum of the school covers nine quarters, leading to the degree of bachelor of laws. The degree of master of arts also is given. Students may carry on work in liberal arts or science and law concurrently, taking both bachelors' degrees in six years, or eighteen quarters.
 - (9) *The Library School* prepares students for librarianship in a technical curriculum extending through three quarters following either three or four years of academic study. On completion of the library school curriculum (46 credits), the degree of bachelor of science in library science is given.
 - (10) *The College of Mines* offers curricula of twelve quarters leading to the degree of bachelor of science in mining engineering, geology and mining, metallurgical engineering, or coal mining engineering. The fields open to graduates of this college are indicated by these divisions. The college also offers a curriculum in ceramics (clay, glass and cement products). The degree of master of science, with a major in one of these lines, may be obtained in the Graduate School.
 - (11) *The College of Pharmacy* offers three-year and four-year courses, the first giving preparation in technical and commercial pharmacy, and the second providing a well-rounded scientific training in this field. The three-year course leads to the degree of pharmaceutical chemist, and the four-year course to the degree of bachelor of science in pharmacy. A fifth year in the Graduate School offers an opportunity for graduate research work leading to the degree of master of science in pharmacy.
- (C) *The Graduate School* offers work leading to the degrees of master of arts, master of science, master of arts or master of science in technical subjects, certain technical or professional master's degrees (as, for example, master of business administration), and doctor of philosophy. A master's degree presupposes at least one year of resident work of high grade and special character, and a doctor's degree at least three years of such work. The University is placing increased emphasis upon its graduate work.

Definitions and Explanations.—In all statements relating to the University the word *course* refers to a single study pursued for a definite period, for which credit may be given toward University requirements for graduation in accordance with the number of hours taken. A *curriculum* is a group of courses arranged to be followed consecutively or concurrently. A *department* is the unit of instructional organization in a particular sci-

ence or art, as the department of geology. A *college* gives full curricula, beginning with the work of the freshman year and covering twelve quarters. The work of a *school* is preceded by two or more years of college work.

The four-year programs of the Colleges of Liberal Arts and Science are divided into the *lower division* (freshman and sophomore) and *upper division* (junior and senior.)

The term *unit* is applied to work taken in high school; a *credit* to work taken in college. 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 thirty-six weeks. A University credit is given for one hour of recitation a week throughout one quarter. Thus a quarter course in which there are five recitations a week is a five-credit course.

The term *major* is applied to the department or subject in which a student elects to specialize.

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

The University does not give a medical course, but 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 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 can be done without interference with the student's regular academic work.

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

ADMISSION TO THE UNIVERSITY

GENERAL STATEMENT

All correspondence regarding admission of students to the resident courses of the University and requirements for graduation, should be addressed to the registrar.

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

ADMISSION BY CERTIFICATE

ADMISSION TO FRESHMAN STANDING

A graduate of a four-year accredited secondary school, whose course has covered the requirements for entrance as outlined on pages 43-44 and who meets the scholarship requirement outlined below, will be admitted upon recommendation of his principal and the presentation of a satisfactory certificate. Since school diplomas do not give the necessary information, they cannot be accepted for this purpose. Principals of all accredited high schools in the state are furnished with official blanks, which also may be obtained from the registrar's office. Credentials accepted toward admission to the University are kept on permanent file.

Credentials for students expecting to enter the University in the autumn quarter, 1926, should be filed in the registrar's office not later than August 15. It is obligatory to submit at entrance, records from all schools previously attended, together with all credentials showing present membership, or past service, in the army, navy, marine corps, National Guard, naval militia, or the United States Coast Guard.

Scholarship Requirement.—From 1921 to 1925, inclusive, an applicant for admission to the University was required to present grades of 80 or better in two-thirds of the credits earned in high school after September, 1921.

The following modified form of scholarship requirement, recommended by a committee of high school principals, has been adopted by the University:

Admission to the University shall be granted to recommended graduates of accredited four-year high schools who

- (a) Present a record of scholarship two-thirds of the marks of which are at least one step above the lowest passing grade. (One "step" means one letter, or other symbol, in a system using three or four passing grades. In a purely percentage system, a "step" would mean a minimum of one-fourth of the interval between the lowest passing grade and 100. The old scholarship rule will be applied to percentage grades earned prior to the second semester 1924-1925.)
- (b) Have not more than three semester failures in the high school course. (Failures appearing in the applicant's high school record prior to June, 1925, will not be counted in the application of this section of the regulation.)
- (c) Have not more than eight units (sixteen credits) earned in courses open to high school freshmen. (The provisions of this section of the regulation will not be applied to applicants entering the University before the beginning of the autumn quarter, 1926.)

Provision for Raising Grades.—If a graduate of an accredited secondary school fails to meet the scholarship requirement, he has the privilege of qualifying for admission either by (a) raising his grades by passing the regular "make-up" examinations of his school, or by (b) passing the regular University entrance examinations in a sufficient number of subjects in which he has fallen below the required standard, to bring his average grade up to the required two-thirds, one step at least above the lowest passing grade. Successful passing of these examinations will require a very thorough review of the subjects concerned after the work has been completed in high school.

Any student who wishes to be examined to bring his average grade up to the required two-thirds should send to the registrar, with his appli-

cation for examination, a detailed statement of courses in which he desires to be examined. This is essential, so that the examination may be a fair test of the student's ability. Such descriptions may best be obtained through the high school principal. (For dates see page 48.)

Provisional Admission to the University may, on recommendation of the principal, be granted for one quarter to those applicants who

- (a) Meet all specific University requirements, but
- (b) Fail to meet any or all of provisions (a), (b), or (c) of the scholarship requirement, and
 1. Show strong working traits, special interest, or talents as indicated in their applications and endorsed by the principal, and
 2. Show a sufficiently high intelligence quotient in a test given by the University.

Special forms for recommending graduates for provisional admission will be furnished to high school principals on request. It is essential that *all* the information called for in these forms shall be available when a recommendation for provisional admission is considered by the committee on admission. The recommendation form, together with a complete copy of the student's high school record, must be sent by the principal directly to the registrar, and not given to the student.

REQUIREMENTS FOR ADMISSION

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

- (a) 3 units of English.
- (b) 1 unit of algebra. *2 units math 1 one of which must be -*
- (c) 1 unit of plane geometry.
- †(d) 3 units selected from one of the following groups (or 2 units if 3 units of mathematics are presented).
 - ** (1) Foreign language, either ancient or modern, (at least 2 units in one language; less than one unit will not be counted in any language).
 - (2) History, civics, economics (at least one unit to form a year of consecutive work in history).
 - (3) Physics, chemistry, botany, zoology, general biology, physical geography, geology, physiology. (Less than one unit will not be counted in physics, chemistry, or general biology. No science will be counted as applying on this requirement unless it includes a satisfactory amount of laboratory work).
- †(e) 2 units in subjects presented in the above groups (1) - (3).

*A "unit" is applied to work taken in high school; a "credit" to work taken in college. 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 thirty-six weeks.

**A student who has not taken in high school the amount of foreign language required for admission to the college he plans to enter, must make up the deficiency in the University as part of his regular schedule of work, but without receiving college credit for it. For the Colleges of Science and Fine Arts, the foreign language requirement may be satisfied by two units or 20 credits in any one foreign language. For the College of Liberal Arts, by two units or 20 credits in one of the following: Latin, Greek, French, German, Spanish, Scandinavian, or Italian. If a student fails to present two units in one of these languages, but presents two units in another foreign language, he will receive college credit for required foreign language taken in the University.

† Schools and colleges, having fixed curricula, may postpone the removal of entrance deficiencies under groups (d) and (e), until the first elective period provided for in the student's prescribed program.

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

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

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

SPECIFIC SUBJECTS REQUIRED FOR ADMISSION TO THE SEVERAL COLLEGES

Colleges of Liberal Arts, Science and Fine Arts

3 units of English.
1 unit of algebra.

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

College of Business Administration

3 units of English.
1 unit of algebra.
1 unit of plane geometry.

2 units of history. (May include civics and economics.)

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.
½ unit of shopwork.

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

**A student who has not taken in high school the amount of foreign language required for admission to the college he plans to enter, must make up the deficiency in the University as part of his regular schedule of work, but without receiving college credit for it. For the Colleges of Science and Fine Arts and Pharmacy, the foreign language requirement may be satisfied by two units or 20 credits in any one foreign language. For the College of Liberal Arts, by two units or 20 credits in any one of the following: Latin, Greek, French, German, Spanish, Scandinavian, or Italian. If a student fails to present two units in one of these languages, but presents two units in another foreign language, he will receive college credit for required foreign language taken in the University.

College of Forestry

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

(Students planning to take Forestry are advised to take solid geometry and botany in high school.)

Colleges of Fisheries and Pharmacy

- | | |
|---------------------|---------------------------|
| 3 units of English. | 1 unit of plane geometry. |
| 1 unit of algebra. | |

School of Law, Library School and School of Journalism

(See pages 46, 47.)

ACCREDITED SCHOOLS

The list of accredited secondary schools in the State of Washington is as follows for the year 1926-1927:

Aberdeen	Dayton	Kahlotus	Naselle
Adna	Deer Park	Kalama	Newport
Albion (U. H.)	Deming (Mt. Baker H. S.)	Kapowsin	Northport
Almira	Dixie	Kelso	Nooksack
Anacortes	Doty	Kennewick	(Victory H. S.)
Anatone	Dryad	Kent	North Bend
Arlington	Dryden	Kettle Falls	Oakesdale
Asotin	Dryden	Kirkland (U. H.)	Oak Harbor
Auburn	Duvall	Kittitas (U. H.)	Oakville
Battle Ground	East Mill Plain, R.F.D., Vancouver, (U. H.)	Klaber (Boltsfort H. S.)	Odessa
Bellevue	Batonville	La Conner	Okanogan
Bellingham	Edison	La Crosse	Olympia
Whitcom	Edmonds	Lake Stevens	Omak
Fairhaven	Edwall	Langley	Onalaska
Benton City	Ellensburg	Latah	Oroville
Bickleton	Elma	Leavenworth	Orting
Black Diamond	Endicott	Lebam	Otis Orchard
Blaine	Entiat	Leland-Quilcene	Outlook
Bothell	Enumclaw	Lind	Pateros
Bremerton (U. H.)	Ephrata	Longview	Palouse
Bridgeport	Everett	Lower Naches	Pasco
Brewster	Fairfield	Lynden	Pe Ell
Buckley	Fall City	Mahton	Pomeroy
Burlington (U. H.)	Farmington	Malden	Port Angeles
Burton (U. H.)	Ferndale	Mansfield	Port Orchard (So. Kitsap H. S.)
Camas	Fife	Manson	Poulsbo
Cashmere	Finley	Maple Falls	Port Townsend
Castle Rock	Foster	Maple Valley	Port Washington Bay
Cathlamet	Friday Harbor	Marcus	Prescott
Centerville	Garfield	Marysville	Prosser
Centralia	Gig Harbor	Mead	Fullman
Chehalis	Goldendale	Medical Lake	Puyallup
Chelan	Grandview	Menlo	Quincy
Cheney	Granger	Meridian (U. H.)	Rainier
Chewelah	Granite Falls	Kent, R. 1.	Raymond
Chimacum	Hamilton	Meridian, Ferndale, R. 1.	Reardan
Clarkston	Hanford	Milan	Redmond
Cle Elum	Harmony	Millwood	Renton
Colfax	Harrington	Molson	Republic
Colville (U. H.)	Hartline	Monroe	Richland
Concrete	Highline	Montesano	Richmond Beach
Connell	Hilliard	Morton	Ridgefield
Coulee City	Hoquiam	Mossy Rock	Ritzville
Coupeville	Hunter	Mount Vernon (U. H.)	Riverside
Cowlitz	Iiwaco	Moxee	Rochester
Creston	Ione	Naches City	Rockford
Crescent	Issaquah	Napavine	Rosalia
Custer			Roslyn
Davenport			

Roy	South Bend	Tekoa	Waitsburg
Seattle	Spangle	Tenino	Walla Walla
Ballard	Spokane	Thorpe	Wapato
Broadway	Lewis and Clark	Tieton	Washougal
Franklin	North Central	Toledo	Washucoma
Garfield	Sprague	Tonasket	Waterville
Lincoln	Stanwood	Tolt (U. H.)	Waverly
Queen Anne	Steptoe	Toppenish	Wenatchee
West Seattle	Stevenson	Touchet	White Bluffs
Roosevelt	St. John	Twisp	White Salmon
Sedro-Woolley	Sulton (U. H.)	Two Rivers	Wilbur
Skykomish	Sumas	Vader	Wilson Creek
Selah	Sumner	Valley	Winlock
Sequlm	Sunnyside	Valleyford	Winslow
Shelton	Sunnyslope	Vancouver	Woodland
Silverdale	Tacoma	Vashon	Yacolt
Snohomish	Lincoln	Veradale	Yakima
Snoqualmie	Stadium	(Central Valley)	Yelm
			Zillah

II. Other Secondary Schools in the State of Washington; Alaska, and Portland, Ore.

Allen Preparatory School, Portland.	Lakeside School, Seattle
Anchorage High School, Alaska.	Moran School, Rolling Bay.
Annie Wright Seminary, Tacoma.	O'Dea High School, Seattle
Aquinas Academy, Tacoma.	Pacific Lutheran Academy, Parkland,
Columbia University, Preparatory School,	(provisional).
Portland (provisional).	Providence Academy, Vancouver.
Cordova High School, Alaska.	Seattle College, Academy, Seattle.
Douglas High School, Alaska.	Seattle Pacific College, Academy (provi-
Fairbanks High School, Alaska.	sional).
Forest Ridge Academy, Seattle (provisional).	Spokane College, Academy (provisional).
Gonzaga University, High School, Spokane.	St. Dominic's Academy, Everett.
Holy Angels Academy, Seattle (provisional).	St. Heleus Hall, Portland.
Holy Names Academy, Spokane.	St. James Cathedral High School, Seattle.
Holy Names Academy, Seattle.	St. Martin's College, High School, Lacey.
Immaculate Conception High School, Seattle.	St. Nicholas School, Seattle.
Juneau High School, Alaska.	Walla Walla College, Academy (provisional).
Ketchikan High School, Alaska.	Wrangell High School, Alaska (provisional).
	Y.M.C.A. High School, Seattle.

III. Schools Outside of Washington

Graduates of other secondary schools in states 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. The University of Washington reserves the right to require examinations of graduates of such schools in all cases where it seems advisable to do so.

ADMISSION TO ADVANCED STANDING

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

School of Law.—Requirements for admission to the School of Law are: Clear entrance to the College of Liberal Arts or the College of Science; 90 hours, (two years) of advanced credit in freshman and sophomore courses; covering all prescriptions for admission to upper division standing in the College of Liberal Arts, and 10 hours of military science or physical education. Students who have not complied with the foregoing, may be admitted to the Law School upon the completion of three years' work leading to a bachelor's degree in the University of Washington or any institution ranking therewith, provided further that such work shall meet with the approval of the Dean of the Law School.

School of Journalism.—Requirements for admission to the School of Journalism are: Clear entrance to the College of Liberal Arts; 90 hours, (two years) of advanced credit in freshman and sophomore courses: cover-

ing all prescriptions for admission to upper division standing in the College of Liberal Arts, and 10 hours of military science or physical education.

School of Education.—Requirements for admission to the School of Education are: Clear entrance to any college of the University; 90 hours of college credits in courses approved by the faculty of the School of Education and the faculty of the college concerned, and 10 hours of military science or physical education.

Library School.—1. Graduate students who hold the baccalaureate degree from any college or university of good standing, whose undergraduate work in either or both high school and college has included the equivalent of at least twenty college credits each in two modern foreign languages, German and French preferred. Slight deficiencies in the languages, however, may be accepted as conditions, but must be removed within the period of study in the Library School.

2. Students who have qualified for senior standing in the College of Liberal Arts or in the elective curricula in the College of Science, having earned 145 credits, including 10 credits in military science, or physical education, and including all required work. However, students who lack not more than fifteen credits of senior standing (including the languages required above) may be admitted with permission of the dean, but such students must complete the 180 plus 10 hours required for graduation.

Advanced Undergraduate Standing.—Students from classes above the first year, who present letters of honorable dismissal from other colleges of recognized rank, 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 at least one quarter.

Admission of Normal School Graduates to Advanced Standing.—Graduates of the two-year curriculum of approved normal schools may receive junior standing provided their credits meet the requirements of the University for entrance, scholarship standards, and credit-hour load.

In fulfilling the requirements of university curricula that allows a large number of elective hours, such as that of the School of Education, normal schools credits can usually be fairly well applied. As a rule, a student cannot count much more than two years of normal school work toward completion of curricula that require a major of thirty-five or more hours consecutive and coordinated work in one department. In many set technical or professional courses only a very limited amount of normal school credit can be used.

For graduation with a bachelor's degree a student admitted with advanced credit from a normal school must earn in the University a sufficient number of credits to bring the total up to a minimum of 180 quarter hours (exclusive of required physical education or military science). He must satisfy such specific requirements of the degree as have not been fairly satisfied by previous work.

A minimum of 36 quarter hours earned in three full quarters in the senior year in residence is required for any degree offered by the University.

ADMISSION TO GRADUATE STANDING

A bachelor's degree from a college or university of good standing is required for admission to the Graduate School. For further details, see Graduate School section.

ADMISSION BY EXAMINATION

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

ENTRANCE EXAMINATIONS

Entrance examinations are held at the registrar's office on the following dates: July 21, 22, 23; September 29, 30, and October 1; and December 15, 16, 17, 1926; March 21, 22, 23; June 8, 9, 10; and July 18, 19, 20, 1927. On these days the following schedule will be adhered to:

First Day	Second Day	Third Day
9-11 English	U. S. History	Physics
11-1 Algebra	Civics	German
2-4 Greek and Latin	Economics	Solid Geometry
Sciences except Physics	Plane Geometry	French
Trigonometry	Spanish	Commercial
	History other than U.S.	Vocational

Entrance examinations will also be held on request at the following points in the state, on July 21, 22, and on September 2, 3, 1926:

Bellingham	Ephrata	Vancouver
Centralia	Montesano	Walla Walla
Clarkston	Olympia	Waterville
Colfax	Pasco	Wenatchee
Dayton	South Bend	Yakima
Ellensburg	Spokane	

Applications for examinations must be filed with the registrar of the University at least three weeks before the dates on which the examinations are held. Proper blanks are obtainable from the registrar on request. (See page 42.)

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

EXAMINATIONS FOR EXEMPTION IN ENGLISH

The department of English gives an examination in English composition for students who wish to attempt it, with the view of being excused from all or a part of the required course in college composition. Only those whose preliminary training has been superior should present themselves for this examination, which will be held on the same dates as the regular entrance examinations for the autumn quarter.

FOREIGN STUDENTS

Students from schools in foreign countries and non-English speaking communities will be admitted under the same general conditions as those

from American schools, provided they have a sufficient working knowledge of English, acquaintance with American methods of instruction, and plans of study, to enable them to carry regular college work successfully. An examination will be required by the registrar on these supplementary points.

Students from foreign schools whose standing is not known to be the equivalent of accredited American schools may be required to pass examinations in designated subjects. A special orientation course, Education 100, Extension Service, prepares students for this examination.

ADVANCED CREDIT BY EXAMINATION

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

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

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

UNCLASSIFIED STANDING

If a graduate of a four-year accredited secondary school meets the scholarship requirements outlined on page 42 but lacks the specific subject requirements for admission to freshman standing he may be admitted as an unclassified student on recommendation of his principal. Such a student will be allowed to enroll only in courses for which he has had adequate preparation. By virtue of his classification he is not a candidate for a degree, but he may ultimately become a candidate for a degree by fulfilling as part of his college prescriptions all the requirements for entrance to and graduation from the college in which he is registered. An unclassified student is required to register on entrance in such a way that all prerequisites will be satisfied by the end of his fourth quarter of residence. Failure to comply with this requirement will make him ineligible for readmission until regular standing has been acquired.

ADMISSION OF SPECIAL STUDENTS

Special students are students of mature years who have not had the opportunity to complete a satisfactory high school course but who, by reason of special preparation and attainments, may be qualified to undertake certain courses, though not as candidates for degrees.

No person less than twenty-one years of age will be admitted to the status of special student, but it is specifically emphasized that mere attainment of any given age does not constitute adequate qualification for admission to this status.

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.

The graduates of an accredited high school are not admitted as special students, but are expected to qualify for regular undergraduate standing in accordance with the general rules.

The University has no "special courses"; all courses are organized for regular students—that is, students who have had the equivalent of a good high school education and have been fully matriculated. Special students are admitted to these regular courses for which, in the judgment of the instructor, they have satisfactory preparation.

Entrance examinations in the subjects of fundamental importance for

the work proposed will be assigned in all cases in which the Committee on Special Students deems such examinations advisable.

All available certified records for previous school work must be submitted to the registrar at least a month before the beginning of the quarter which the student desires to attend. Such a student must file an application for admission showing the kind of work he desires, the reasons for desiring such work, and if no credits can be presented, a detailed statement of any previous educational work and practical experience with a list of subjects in which the candidate is prepared to take entrance examinations. Special blanks for this information are provided.

Registration as a special student is for *one quarter only*. Re-registration will be refused if the student has not shown satisfactory earnestness and definiteness of purpose, if his work has not been good or if he has not complied with conditions prescribed by the committee on special students.

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 enrolled.

Special students are not eligible to take part in student activities.

Persons desiring to be admitted as special students will apply to the registrar for the necessary application and credential blanks.

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

AUDITORS

With consent of 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 on payment of a fee of \$10 a quarter. This provision does not apply to laboratory courses, or to courses offered in the summer quarter.

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

(b) Persons who, while registered in the University, have attended courses as auditors, shall, in no case, be permitted to take the examination in such courses or obtain credit therefor.

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

REGISTRATION

Registration for all students for the autumn quarter will take place prior to Monday, October 4; for the winter quarter prior to Monday, January 3, 1927; for the spring quarter, prior to Monday, March 28, 1927, and for the summer quarter, prior to Wednesday, June 15, 1927.

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

Late Registration.—The dates noted above are officially set apart for registration and enrollment. All students are expected to complete their registration (including payment of all required fees) in those days. Students failing to do this will be 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. (If a student has been granted a leave of absence or has withdrawn in good standing during a preceding quarter he may be given the privilege of late enrollment to complete unfinished courses, with the consent of the instructors concerned.)

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

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

Rule 3. Except with the consent of his dean:

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

(b) No student shall be registered for more than 16 hours of work (exclusive of drill or physical training), or the number for the respective quarters in the prescribed curricula.

Rule 4. With the consent of his dean, a junior or senior whose previous scholastic record has been exceptionally good, may be registered for a maximum of 20 hours (exclusive of drill or physical training).

Rule 5. No student may be registered for more than 20 hours (exclusive of drill or physical training.)

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

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

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

MEDICAL EXAMINATIONS

All students entering the University for the first time are required to present themselves for appointment for medical examinations, on or before the day following registration, men to the infirmary and women to the department of physical education for women in the gymnasium.

EXPENSES

Tuition and Fees.—By authority of the special legislative act of the session of 1921, the following tuitions and fees will be collected:

GENERAL TUITION FEES

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

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

Associated Students Fee.—An associated student membership fee of ten dollars (\$10) for the year (exclusive of summer quarter) is collected of all regularly enrolled undergraduate students upon registration. This fee is optional with graduate students, but they must pay one dollar at registration for the infirmary fund for the year.

Exemptions.—All honorably discharged service men or women who served in the military or naval service of the United States during the late world war; and all honorably discharged service men who served in the military or naval services of any of the governments associated with the United States during the said war, provided they were citizens of the United States at the time of their enlistment and who are again citizens at the time of their registration in the University may on application and showing that such fee will be an individual expense be exempted from the payment of general tuition fee provided they have been domiciled in the state of Washington or territory of Alaska for the period of one year prior to the date of registration. If any such service men have not been domiciled in the state of Washington or territory of Alaska for one year prior to registration they are exempt up to twenty-five dollars (\$25) per quarter.

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

PAYMENT OF FEES

Fees for all undergraduates must be paid, either by mail or in person, during a period of two weeks before the first day of any quarter. Failure to observe this requirement will automatically cancel the student's registration and necessitate re-registering by petition to the registrar's office, and paying a late registration fee of \$2 for the first day's delay and \$1 per day additional thereafter up to a maximum of \$7. In necessary cases, if application is made to the comptroller before the first day of any quarter, permission may be given to defer the payment of fees to a subsequent date.

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

OTHER CHARGES

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

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

Library Fee.—All students, other than law majors, are required to pay a quarterly fee of one dollar (\$1) for general library book repairs and replacements. This fee is in lieu of the former library fee of five dollars which has been abolished. Law majors pay ten dollars (\$10) a quarter as a special law library fee.

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

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

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

Marine Biological Station Tuition.—Twenty-five dollars (\$25), of which twenty dollars (\$20) is for tuition and five dollars (\$5) for a general laboratory fee.

Military Uniform Deposits.—Each student who is held for military drill is required to deposit \$12 before he draws his uniform. Ten dollars (\$10) of this amount is returnable upon the presenting of proper clearance papers from the military headquarters; the two dollars (\$2) is retained as a breakage fee. This deposit in no way entitles the student to ownership in any part of the military equipment or clothing issued.

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

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

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

Diploma Fee.—Each graduate receiving a baccalaureate or higher degree, diploma in pharmacy, or a teacher's diploma is required to pay a diploma fee of five dollars (\$5). The fee for other professional certificates is \$1. *The teacher's diploma fee does not include the legal registration fee of \$1 paid to the county school superintendent who first registers a teacher's diploma.*

Transcript Fee.—One transcript of record is furnished the student without charge; a fee of \$.50 is charged for each additional transcript.

Grade Book Fee.—One grade book is furnished the student without charge, a fee of \$.50 is charged for each additional grade book.

LABORATORY FEES AND DEPOSITS

The following laboratory fees and deposits will be collected quarterly during the ensuing year 1926-1927. With few exceptions, these fees are not returnable in whole or in part, and in no case can any rebate be allowed after 30 days from the first day of the quarter: (Fees and deposits listed below apply individually to each numbered course as segregated under the various subjects.)

Anatomy—105, 106, 107.....	\$ 3.00
104, 108	5.00
101, 102, 103.....	7.50
200 to be arranged.	
Architecture—112, 113, 114.....	1.00
54, 55, 56, 104, 105, 106, 154, 155, 156.....	5.00
157, 158, 159 (For the year).....	7.50
Astronomy—53	1.00
Bacteriology-Pathology—103	1.00
4, 101, 102.....	4.00
104, 105, 106, 112.....	5.00
Botany—1, 2, 3, 11, 12, 13, 14, 53, 101, 111, 140, 141, 142, 180, 181, 182, 200, 220, 233, 247, 250, 251, 271, 272, 273, 279.....	2.00
220, 233, 247, 250, 251, 271, 272, 273, 279.....	2.00
105, 106, 107, 119, 143, 144, 145, 280.....	3.00
Ceramics—110, 180, 131, 132, 133.....	5.00
121, 122, 123.....	10.00
Chemistry—All courses except 52, 150, 173, 190, 191, 200, 201, 202, 203, 221, 222, 223, 231, 232, 233, 249.....	6.50
176, 177, 178, 250 to be arranged.	
Breakage ticket	5.00
Key .....	.50
Civil Engineering—4, 22, 27, 55, 56, 113, 114, 126, 142, 167.....	2.00
Dramatic Art—101, 102, 103.....	1.00
104, 105, 106.....	3.00
Economics and Business Administration—All courses \$1.00 except those listed below:	
15, 16 Typewriting, and 18, 19 Shorthand.....	10.00
81, 82, 83 Secretarial and Office Training.....	5.00
Education—All courses except those listed below.....	.50
160D, 160DD, 160Z.....	1.50
196, 197, 198.....	2.00
150	3.00
285, 286, 287.....	2.50
Electrical Engineering—132, 141, 181, 196, 198.....	2.00
102, 110, 112, 122, 162, 164.....	4.00
Engineering Shops—52, 53, 54, 55, 56, 105, 106, 107, 115, 120.....	2.00
Fisheries—S.C. 15, S.C. 16, S.C. 17.....	2.00
53, 54, 60, 101, 102, 103, 104, 105, 112, 140, S.C. 10, S.C. 12.....	3.00
107, 108, 130, 154, S.C. 7, S.C. 8.....	4.00
150, 151, 152, 201, 202, 203 to be arranged.	

General Information

55

Forestry—1, 5, 51, 52, 53, 57b, 58, 101, 104, 105.....	2.00
160, 161, 162, 187, 188, 189, 213, 214, 215.....	3.00
General Engineering—1, 7, 21.....	2.00
Geology—1a, 1b, 10, 11, 112.....	1.00
2, 21, 105, 120, 123, 124, 131, 132.....	2.00
Home Economics—8, 43, 101, 102, 190.....	2.00
25, 111, 112, 113, 121, 127, 130, 131, 133, 135, 143, 183, 188.....	3.00
191	4.00
4, 5, 9, 105, 106, 107, 108, 116, 120.....	6.00
204, 205, 206, \$2.00 per credit hour.	
207, 208, 209, \$1.00 per credit hour	
Journalism—1, 61, 90, 91, 92, 128, 135, 145, 160.....	1.00
51, 101, 115, 120, 130, 131, 133, 136, 138, 140, 170, 171, 172, 173,	
174, 175	2.00
(Maximum fee for any one student \$2.50 per quarter)	
Library Science—Text book fee—One or more courses except Course	
1 per quarter.....	1.50
Lockers—Anatomy, Chemistry, Education, Engineering, Home Econ-	
omics, and Mines Building—per year.....	.50
Mathematics—Statistics 13	1.00
Mechanical Engineering—83, 151, 152, 153, 167.....	2.00
Metallurgy—103, 163	5.00
102	10.00
153, 160	12.00
101	20.00
Mining—101, 151, 191, 192, 193.....	5.00
152, 176	10.00
Music—10, 11	1.00
18, 19, 20, 68, 69, 70, 118, 119, 120, 168, 169, 170 as listed below:	
Adams, Canfield, Allen, Oliver	
1 Lesson a week.....	15.00
2 Lessons a week.....	30.00
Venino, Van Ogle, Rosen, Mabon, Lynch, Kirshner, Wood, Bo-	
gardus, Lawrence	
1 Lesson a week.....	22.00
2 Lessons a week.....	44.00
Glen, 1 Lesson a week.....	27.00
2 Lessons a week.....	54.00
Piano Practice Room—An hour a day for a quarter.....	3.00
Key Deposit	1.00
Pipe Organ—An hour a day for a quarter.....	12.50
(Key Deposit)	1.00
Nursing—5	1.00
Painting, Sculpture and Design—5, 6, 7, 9, 10, 11, 65, 66, 67, 163, 164,	
165, 263, 264, 265.....	1.00
53, 54, 55, 56, 57, 58, 103, 104, 130, 157, 159.....	2.00
72, 73, 74, 107, 108, 109, 116, 122, 123, 124, 132, 133, 134, 160, 161,	
162, 175, 176, 177, 207, 208, 209, 260, 261, 262.....	3.00
158	5.00

Pharmacy—15	1.00
9, 10, 11	3.00
7	4.50
1, 2, 3, 5, 6, 113, 114, 115, 195, 196, 197	6.50
191, 192, 193, 201, 202, 203—Fees to be arranged.	
Physical Education—All P.E. Courses, or combination of P.E. Courses other than those listed below .....	.50
174, 175 (Swimming)	2.50
87, 88 (Golf)	3.50
All other P.E. Courses, or combination of P.E. Courses combined with 87, 88 or 174, 175—Special fee plus the regular .....	.50
Physics—1, 1h, 2, 2h, 3, 3h, 50, 51, 89, 90, 97, 98, 99, 103, 113, 175, 190	2.00
114	4.00
54, 115	5.00
167, 168, 169 to be arranged.	
Psychology—1	1.00
Sociology—1, 56	1.50
Zoology and Physiology—1, 2, 3, 4, 5, 6, 7, 101, 106, 107, 108, 111, 121, 155, 156, 157	2.00
115	2.50
20, 53, 54, 55, 127, 128	3.50
151, 152, 153	4.00
201, 202, 203 to be arranged.	

BOARD AND ROOM

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

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

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

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

Outside the campus, board and room may be secured at rates ranging from \$35 to \$40 a month.

UNIVERSITY HEALTH SERVICE

A health service is maintained by the University in conjunction with the Associated Students. Ten per cent of the fees collected by the Associated Students is assigned to the health fund, for the maintenance of an infirmary containing medical offices for both men and women, nurses' offices and quarters, and 40 beds. The University provides the building and equipment, a corps of one physician and two nurses. Medical advice and office treatment are available during school hours.

If a student is taken ill and is unable to call at the medical office, he should notify the infirmary clerk before the first class is missed, and the public health nurse will call upon the patient. Disposition of the case is

determined on report of this visit. If the patient is a contagious suspect or in unsatisfactory quarters, he is taken to the infirmary and cared for free of cost, except for board, at the rate of \$1.50 per day. If serious illness develops he is transferred to a Seattle hospital of his choice and further responsibility of the University health service ceases. Scarlet fever and smallpox patients are 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 while he is in the infirmary.

Students absent from classes on account of sickness are not readmitted until they secure cards from the health service office. Record is thus kept of all illness and used as a guide for health supervision. (See Rule 22, page 67.)

DEGREES

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

GENERAL RULES

Rule 9. The work of the senior year (a minimum of 36 credits earned in three quarters) must be done in residence.

Rule 10. Each senior shall, upon registration, file with the registrar a written application for his degree. Each application shall be checked by the Committee on Graduation at least six months before the date at which the student expects to be graduated and notice shall be sent to the student by the registrar of the acceptance or rejection of his application. The accepted list shall be submitted at the last regular meeting of the faculty for the quarter in which the checking is done and, if approved by the faculty, with or without modification, shall constitute the list of candidates to be recommended for graduation upon the completion of the work requisite for their respective degrees. No change shall be made in this list unless ordered by a two-thirds vote of the members of the faculty present.

Note.—Applicants who are late in filing their applications cannot be assured of recommendation to the faculty, or of consideration of petitions for modification of requirements.

Rule 11. All students shall have the option of being held to the entrance and graduation requirements of the catalogue under which they enter, or those of the catalogue under which they expect to graduate. All responsibility for fulfilling the requirements for graduation from the various schools and colleges of the University shall be thrown upon the student concerned.

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

Rule 13. In determining the fitness of a candidate for a degree, his attitude toward his financial obligations shall be taken into consideration.

Rule 14. Theses shall be typewritten on sheets of ledgerweight paper eight and one-half by eleven inches in size, and shall be bound in cloth, with the subject, the name of the author and the date of the presentation on the front cover, and the name and date on the back in gilt letters. A uniform and suitable margin shall be left on the typewritten pages.

DEGREES WITH HONORS

A degree with honors may be conferred on a student who is declared worthy of unusual distinction on recommendation of the honors committee and a vote of the faculty. 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 eligible for honors. Honors are not awarded to any student in more than one subject.

NORMAL DIPLOMAS

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

FELLOWSHIPS, SCHOLARSHIPS, PRIZES

FELLOWSHIPS

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

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

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

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

Research Fellowships.—The college offers five fellowships for research in coal and clay in cooperative work with the United States Bureau of Mines. The fellowships are open to graduates of universities and technical colleges who are properly qualified to undertake research investigations. The value of each fellowship is \$720 to the holder, for the twelve months beginning July 1. Fellowship holders pay tuition and laboratory fees, but are reimbursed for the amounts so expended; they register as graduate students and become candidates for the degree of master of science in the proper subject, unless an equivalent degree has previously been earned.

Each applicant should send a copy of his collegiate record from the registrar of the college where he has graduated, or will graduate in June. He should also send a photograph and a detailed statement of his professional experience, if any, and give the names and addresses of at least three persons who are familiar with his character, training and ability. Applications should be submitted if possible by April 20 in order to allow ample time for consideration, and should be addressed to the Dean, College of Mines, University of Washington, Seattle, Washington.

Du Pont Fellowship.—Through its chemical department, Du Pont de Nemours & Co. offer an annual fellowship of \$700 in chemistry, known as the "Du Pont Fellowship," open to a senior student or graduate student in chemistry or chemical engineering.

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

The Effie I. Raitt Fellowship.—The Effie I. Raitt fellowship of \$600 is offered annually to a graduate student in home economics for research work in nutrition.

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

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

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

SCHOLARSHIPS

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

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

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

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

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

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

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

The A. F. Venino Scholarship.—Professor A. F. Venino offers an annual scholarship to the candidate showing the greatest proficiency and promise in piano playing. This scholarship carries free tuition for one weekly lesson throughout the autumn, winter and spring quarters. All candidates must submit their application in writing to Dean Glen before September 1. The competitive examination preliminary to the award is held in room 110, Meany hall, at 2 p.m. of the Saturday before registration day.

Beecher Kiefer Memorial Scholarship.—This scholarship is awarded annually to the most talented man student of violin. This award is subject to competition before a committee from the department of music. Applications should be made before June 1.

Mu Phi Epsilon Scholarship.—Mu Phi Epsilon, national honorary musical sorority offers to a woman student a scholarship of one lesson a week for a school year, in either voice, piano, violin, cello or organ. (See College of Fine Arts.)

The Climax Locomotive Company Scholarship in Forestry.—The Seattle branch of the Climax Locomotive Co. offers an annual scholarship of \$100. The award is to be made on the basis of self-dependence, scholarship and wholesomeness of influence to a student majoring in forestry.

The Paul Karshner Memorial Scholarships.—Scholarships of \$100 each, given by W. M. Karshner, M.D. and Ella H. Karshner, and awarded to a boy and to a girl who are graduates of the Puyallup high school.

SENIOR SCHOLARS

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

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

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

PRIZES

The Judge Alfred Battle Prize in Public Speaking and Debate.—Judge Alfred Battle offers an annual cash prize of \$50 to the Washington debating team chosen to meet representative debaters from the University of Oregon.

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

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

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

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

The Carkeek Prize.—Mr. Vivian Carkeek of Seattle offers an annual cash prize of \$25 for the best student contribution to the *Washington Law Review* by a member of the senior class on a point of Washington law, or any point of peculiar interest to Washington attorneys.

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

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

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

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

The Gladding McBean Prize.—The Gladding McBean Company offers a prize of \$50 in the department of architecture to the sophomore, junior or senior student who submits the best design in the terra cotta treatment.

The American Institute of Architects Prize.—The American Institute of Architects offers annually a silver medal and a book to the graduating senior with the most distinguished record in design for the entire course.

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

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

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

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

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

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

The Charles Lathrop Pack Prize.—Charles Lathrop Pack, president of the American Tree Association, offers an annual prize of \$50 for the best essay by a student majoring in forestry. The subject shall be chosen with reference to interesting the general public in forestry matters.

Northern Clay Company Prize.—The Northern Clay Company offers a prize of \$50 for an article illustrating the best color in a building.

The Carstens and Earles Prizes.—The Carstens and Earles Prizes of \$100, \$50 and \$25 each, are open to undergraduate students in the College of Business Administration for the best essays on "What Basis Can Farm Loans of an Investment Character be Made Secure and Beneficial?"

The Omicron Nu Prize.—Omicron Nu, national Home Economics honor society, offers an annual cash prize to the freshman student in Home Economics who attains the highest scholastic standing.

The Lehn and Fink Medal.—Lehn and Fink, of New York, offers a gold medal each year to the student in the graduating class who prepares the best essay on some scientific topic of pharmaceutical importance.

STUDENT LOAN FUNDS

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

STUDENT WELFARE AND VOCATIONAL GUIDANCE

DEAN OF MEN

The dean of men is concerned with the welfare of the men students of the University. He confers with them on all questions affecting their personal or group interests. Among other duties he advises with students failing in scholastic work and arranges their schedules.

Help is given students seeking part time employment. General housing conditions are under direction of the Faculty Committee on Student Welfare. A list of approved boarding places for men, however, is kept in the dean's office. The dean of men is chairman of the faculty committee on Student Welfare and the committee on Student Loans. As a representative of the Institute of International Education the dean of men is interested in the problems of foreign students.

DEAN OF WOMEN

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

STUDENT EMPLOYMENT

Many students who find it necessary to support themselves in part or wholly at the University have been enabled to do so through an employment bureau for men conducted by the Y. M. C. A. and by aid of the dean of men. The dean of women renders a similar service for women.

It is necessary to advise caution in entering the University without funds. The University cannot be responsible for finding work for students. During periods of business depression it is especially difficult to obtain part-time work. It is not advisable that anyone should enroll unless provided with sufficient funds to maintain himself for a quarter. A suggested amount for this purpose is \$200. Students expecting to earn a portion of their support should not register for a full schedule.

BUREAU OF APPOINTMENTS

The University maintains a Bureau of Appointments to assist students in obtaining positions for which they are fitted in educational, commercial and industrial fields. Students intending to teach or graduates already engaged in teaching, who are ready for promotion may take advantage of this privilege. Correspondence is invited from universities, normal schools, boards of education, superintendents and principals of schools in need of candidates, and other employers. No commission is charged for the services of the bureau.

ASSOCIATIONS AND CLUBS

Alumni Association.—Everyone receiving a degree from the University of Washington or who has attended the University for two semesters or three quarters is a member of the Alumni Association. The association is governed by the alumni council, consisting of a representative from each of the local alumni organizations, which meets annually. It determines the basic policies of the association which are carried out by the executive committee. The executive committee consists of the president, two vice-presidents, the secretary and a treasurer who are elected each year by the dues paying members of the association; and five members elected by the alumni council for a three-year term; together with one representative each from the board of regents, faculty, and associated students. The president for the previous year is also an ex-officio member. The annual dues are \$3, and include a subscription to the official publication, *The Washington Alumnus*.

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

This fee gives each student a membership in the corporation, including a free subscription to the *University of Washington Daily* and free or reduced admission to such football basketball, baseball games, tennis, track and wrestling meets, crew regattas, debates, oratorical contests, musical concerts as may be designated by the Board of Control.

The management of the Associated Students is vested in an annually elected Board of Control, composed of nine students, three faculty and three alumni. The Board meets bi-weekly and has all the usual powers vested in the directorate of any corporation. The Board employs a graduate manager as its executive agent. He is assisted by student managers, and in 1923-24 the business transacted amounted to \$300,000. The office of the graduate manager is in room 101 Education Hall. The department has seventeen employees and the annual payroll is \$35,000.

The Board employs a manager of the A.S.U.W. bookstore. In 1925 the sales amounted to \$231,300.

Christian Associations.—The University of Washington Young Men's Christian Association is a Christian service organization, designed to be of service to all men students and members of the faculty. It assists men students in finding acceptable homes while at college and part-time employment when needed. Students and faculty are invited to become members of the association and to assist in its service features. In co-operation with the campus Young Women's Christian Association the association publishes the "W" Book, a hand-book for students.

Eagleson Hall, home of the association, at the entrance to the campus at East Forty-second street, is designed for the use of all men of the University whether members of the organization, or not. A small fee is requested for the use of the gymnasium and shower baths.

The Young Women's Christian Association on the campus has a membership of 1,000 women and maintains an active organization with headquarters at 205 Home Economics Hall.

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

A full-time general secretary is employed whose services are at the disposal of every University woman.

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

Religious and Social.—Canadian Co-ed Club, Chinese Club, Christian Science Society, Cosmopolitan Club, Daughters of the American Revolution, Filipino Club, Japanese Club, Kla-How-Yah, Marilla Hutchins Club, Mountaineers Club, Newman Club, Menorah Society, Patrons' Association, Service Club of Washington, Thalian Dramatic Association, Tillicums, Young Men's Christian Association, Wesley Club, Westminster Club, Women's Ex-Service Club, Women's Federation of the University of Washington, Young Women's Christian Association.

Debating Societies.—There are four debating and literary societies in the University: Stevens, Badger, Athena and Sacajawea. The first two are for men, the last two for women. Membership in the clubs is limited so 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 a triangular debate league with Whitman College and the University of Idaho.

The women of the University have a dual league with the University of Oregon and a triangular league with Whitman College and the University of Idaho.

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

Activity Honor Societies.—Fire Tree, Oval Club, Mortar Board.

Scholastic Honor Societies.—Phi Beta Kappa, Sigma Xi, Tau Beta Pi, Beta Gamma Sigma, Order of the Coif, Gamma Epsilon Pi.

Professional Fraternities.—Alpha Delta Sigma, Alpha Kappa Delta, Alpha Kappa Psi, Atelier, Attic and Easel, Beta Alpha Psi, Delta Theta Phi, Iota Sigma Pi, Kappa Psi, Lambda Rho, Mu Phi Epsilon, Omicron Nu, Pan Xenia, Phi Alpha Delta, Phi Delta Delta, Phi Delta Phi, Phi Delta Kappa, Phi Lambda Upsilon, Phi Mu Alpha, Phi Mu Gamma, Phi Lambda Theta, Pi Mu Chi, Scabbard and Blade, Sigma Delta Chi, Sigma Epsilon, Sigma Upsilon, Tau Sigma Delta, Theta Sigma Phi, Xi Sigma Pi.

Activity Societies.—Associated University Players, Axe and Grindstone, Big W Club, Women's Federation Players, Delta Phi, Hammer and Coffin, Knights of the Hook, Mamooks, Minor W Club, Girls' Rifle Club, Radio Club, Red Domino, Tau Kappa Alpha, Personnel Officers' Society, University of Washington Band, Kappa Kappa Psi, Varsity Boat Club, Women's Athletic Association, Women's W Club.

Fraternities.—Acacia, Alpha Delta Phi, Alpha Sigma Phi, Alpha Tau Omega, Beta Kappa, Beta Theta Pi, Chi Phi, Chi Psi, Chi Sigma Alpha, Delta Chi, Delta Kappa Epsilon, Delta Psi Delta, Delta Tau Delta, Delta Upsilon, Kappa Sigma, Lambda Chi Alpha, Phi Delta Theta, Phi Gamma Delta, Phi Kappa Psi, Phi Kappa Sigma, Phi Sigma Kappa, Pi Kappa Alpha, Pi Kappa Phi, Psi Upsilon, Sigma Alpha Epsilon, Sigma Chi, Sigma Delta Theta, Sigma Nu, Sigma Phi Epsilon, Sigma Pi, Tau Phi Delta, Theta Delta Chi, Theta Kappa Theta, Theta Xi, Theta Chi, Zeta Beta Tau, Zeta Psi.

Sororities.—Alpha Chi Omega, Alpha Delta Pi, Alpha Gamma Delta, Alpha Delta Theta, Alpha Omicron Pi, Alpha Phi, Alpha Xi Delta, Beta Phi Alpha, Chi Omega, Delta Delta Delta, Delta Gamma, Delta Omicron Chi, Delta Zeta, Epsilon Sigma, Gamma Phi Beta, Kappa Alpha Theta, Kappa Delta, Kappa Kappa Gamma, Phi Mu, Pi Beta Phi, Pi Sigma Gamma, Sigma Kappa, Zeta Tau Alpha.

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

Washington University State Historical Society.—The Washington University State Historical Society has for its purpose the preservation of historical documents and records of the Northwest and 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 recitation per week.

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

REQUIREMENTS IN MILITARY SCIENCE AND PHYSICAL EDUCATION

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

Two years of military training are required of all able-bodied male students, except those from foreign countries not intending to become naturalized, (and except men over 24 years of age, at time of original entrance into the University.) By regulation of the University the course is required during the first and second years.

Neither the requirement of physical education for women, nor that of military science for men applies to any student entering as a junior or senior if the student has fulfilled the requirements in these subjects laid down by the institution from which he comes.

Rule 17. It shall be the duty of every student of whom military science is required, and, similarly, it shall be the duty of every student of whom physical education is required, to see that he is properly registered for the course, and to report for instruction. Delays in completion of full registration will not excuse a student from attendance. Students who are required to take military science, and similarly, students who are required to take physical education, but fail to report for classes, will, with the approval of the president, be excluded from all classes. The responsibility of complying with the regulations regarding military science and physical education rests entirely with the student.

Rule 18 (a). Men, who because of physical condition should not be required to take the work in military science shall be permitted to substitute physical training therefor. The authority for such substitution rests solely with the University health officer.

(b) Men or women, who, because of physical condition should be relieved from physical training altogether, shall be exempted therefrom by the University health officer.

(c) Students over twenty-four years of age at the time of original entrance into the University are exempt from the University requirements in military science and physical education.

(d) Men who are not citizens of the United States, and who do not intend to become citizens, are not permitted to enroll for military science but are required to satisfy the University requirement in physical education.

(e) Men who, because of pecuniary circumstances necessitating outside work, should not in the judgment of the dean be required to take military science during any particular quarter, may be permitted by the dean to substitute physical training during that quarter therefor. A student desiring to have the benefit of this rule must make written application to the dean of his college, accompanied by a statement of his military record, if any, from the department of Military Science and Tactics. Each grant of permission to substitute must be filed in the registrar's office.

(f) With the approval of the president the department of Military Science and Tactics, may, for good and sufficient reasons, at any time, cancel a student's registration in military science. This cancellation of registration will not operate to reduce the University requirements for graduation. Students whose registration has thus been cancelled will report to the dean of their college for adjustment. Notice of cancellation of registration will in every case be filed in the registrar's office, a duplicate copy being sent to the dean concerned for his information.

(g) Men who are active men in the army, navy, or marine corps of the United States, or commissioned officers of the National Guard or Naval Militia, or reserve officers of the military or naval forces of the United States, or members of the Naval Reserve, are not permitted

to enroll as members of the Reserve Officers' Training Corps. They will be registered in the department of Military Science but deferred for one quarter only during which time they shall submit satisfactory credentials covering the actual amount of work accomplished. Failure to submit these credentials during the first quarter of residence will make it necessary for the student to take military science during the coming quarter. The deferment of military science for this reason and the evaluation of credentials to satisfy the University requirement shall be a function of the commandant. No deferment will be granted students above mentioned for any purpose other than as outlined in this paragraph.

Rule 19. "Short course" students shall be exempt from the requirements in military science and physical training.

REGULATIONS FOR WITHDRAWAL

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

LEAVE OF ABSENCE

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

Rule 22. (a) Leaves of absence on account of sickness shall be granted by the University health service, and shall be taken personally to the instructors concerned. Students absent on account of sickness shall not be re-admitted to classes without this written excuse. The University health service shall file a copy of these leaves of absence with the registrar.

(b) Leaves of absence from one class period with the exception of cases included in rule 22 (a) may be granted by instructors.

(c) Leave of absence from the University for recognized student activities (music, debate, etc.), for student conferences, elections and athletic meets on the campus, shall be passed on by the dean of men and the dean of women, respectively.

SCHOLARSHIP STANDING

Rule 23. (a) Any students who, any time in a quarter, is reported to the registrar as doing work below passing grade in any subject, shall be warned.

(b) Any student failing to make grades of A, B, or C in two-thirds of his registered hours for any quarter shall be warned.

(c) Any student who, at the end of any quarter, fails in two or more subjects, aggregating more than one-third of his registered hours, shall be dropped.

(d) The cases of all students registered for less than a normal schedule who are failing in more than one-third of their work, shall be reported to the board of deans for final action.

(e) Any students who, at the end of any academic year, has failed to make grades of A, B, or C in at least two-thirds of his registered hours for the year, shall be dropped.

(f) Reinstatement of a student disqualified under the provisions of Rule 23 shall be allowed only on permission of the board of deans. If a student is re-instated, he shall be on probation, and shall register under conditions prescribed by his dean, who shall be his registering officer.

(g) Probation is the status of a student who, having been dropped for scholastic failures but reinstated by the board of deans, is compelled to pass in all his registered hours. Such a student shall remain on probation until he has made grades of A, B, or C in at least ten credit hours for one quarter.

(h) In the administration of these rules military science and physical education shall be on the same basis as so-called "academic subjects."

EXAMINATIONS

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

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

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

Under "Departments of Instructions" such courses are indicated by course-numbers connected by hyphens.

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

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

(a) He shall satisfy his dean as to his reasons for absence;

(b) He shall pay a fee of \$1 at the comptroller's office and get a receipt for same;

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

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

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

SYSTEM OF GRADES

1. The following is the system of grades:*

A	Honor
B, C or D.....	Intermediate
E	Failed
I	Incomplete
W	Withdrawn

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

The grade "E" is final and a student receiving a grade of "E" in a course can obtain credit for that course only by re-registering for it and repeating it.

A grade of "W" can be given only in case of regular withdrawal in good standing.

An Incomplete is given only in case the student has been in attendance and done satisfactory work to time within two weeks of the close of the quarter. The two-week limit may be extended to three weeks in those cases in which a student has obtained a regular leave of absence from his dean. (This provision for extension of time shall not apply to one-term summer courses.) An Incomplete in a course is convertible into a passing grade, only during the next quarter in which the student is in residence, and provided the work of the course shall have been finished in a satisfactory manner. In special cases removal of an Incomplete may be deferred by the dean of the proper college. Notice of such deferment must be filed with the registrar.

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

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

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

TUTORING RATES

Rule 30. The maximum rates to be charged by official tutors shall be as follows:

No. in Class	Fee per hour
1	\$2.00 per student
2	1.20 per student
3	1.00 per student
4 .....	.90 per student
5 .....	.80 per student
6 .....	.70 per student
7-15	5.00 per class

No class to be larger than 15.

No reduction to be made for absences.

Fees to be payable by the month, in advance.

LIBRARY RULES

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

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

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

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

(d) Any reserved book may be borrowed for any period when the library is to be closed, but failure to return the same within ten minutes after the library next opens will subject the borrower to a fine of ten cents for the first hour or any part of that hour and five cents for

each additional hour or fraction thereof that the book is retained. All fines are due when the book is returned.

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

(f) Failure to comply with (c), (d) or (e) shall be considered "a delinquency in a financial obligation."

DISCIPLINE

Rule 32. (a) All charges of infraction of the honor code as promulgated by the A.S.U.W. shall be referred to the senior council established by said A.S.U.W.

(b) The decisions of the senior council in said cases shall be referred to the president of the University before taking effect.

(c) All charges of infraction of the rules and regulations of the University shall be referred to the faculty committee on discipline for investigation and final decision.

(d) The number of credits required for graduation may be increased as a penalty for violation of the rules of the University.

STUDENT PUBLICATIONS

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

Rule 35. All requests for permission to issue student publications shall be referred to the committee on publications with power to act.

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

Rule 37. No special editions of *The Daily*, by special sets of editors, shall be allowed, except by special permission of the publications committee of the board of control.

STUDENT ACTIVITIES

Rule 38. Student activities shall include:

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

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

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

(d) Any all-university public performance managed by students.

ELIGIBILITY RULES

GENERAL

Rule 39. (a) In order to be eligible to represent the University in any student activity, a student must:

1. Be registered in the University.

2. Have presented fifteen (15) Carnegie units for entrance requirements. This provision shall not apply to students regularly registered for credit in Mus. 17, 10, 11 and 12, 28, 29 and 30.

3. Be registered for at least twelve hours' work in a regular or special course as defined in the curriculum of his school or college.

4. Have passed ten credits of the curriculum in which he is enrolled for the quarter of residence previous to participation. Fractional hours are to be disregarded in favor of the participant.

5. Not have a total of failures on his previous record, in this or any other institution, exceeding one-fifth of his total hours earned.

6. Keep off probation.

7. Secure a written leave of absence, if his absence from classes is required by participation.

(b) An incomplete shall not be counted as failure or passed until adjusted.

(c) The foregoing general rules shall apply to the editors-in-chief and business managers of all authorized student publications. Eligibility in these cases shall be determined by the Director of the School of Journalism.

(d) All elective officers of the A.S.U.W., head student managers, members of the executive committee and council of the Women's Federation, Y.M.C.A. and Y.W.C.A. presidents, and class officers, must comply with these general eligibility rules. Eligibility in these cases shall be determined by the committee on student welfare.

(e) A student, after having been declared eligible for any student activity, as defined in Rule 38, shall remain eligible, scholastically, for the remainder of the season of participation; provided, that in cases of moral delinquency no previous notice shall be required to disqualify.

(f) A student, to be eligible to take part in any intramural meet or game under the control of the department of physical education, must pass any physical tests set by the department of physical education, and practice at least one month before any intramural meet or game. Eligibility in these cases shall be determined by the heads of the department of physical education for men and women respectively.

SPECIAL

Group I

Athletics.

(a) In order to be eligible to represent the University in any inter-collegiate athletic activity, a student must:

1. Comply with the foregoing general rules of eligibility.
2. Have been in residence for one calendar year after his matriculation, provided that until one calendar year after his matriculation any student (of less than junior scholastic standing and otherwise eligible as a freshman) not a transfer, shall be eligible to compete in freshman contests; and provided, that a student transferring to this University, with at least full sophomore standing, from an institution not granting a standard bachelor's degree, shall be eligible to play on varsity teams during his first year of residence, but not eligible to compete on freshman teams.
3. Have completed thirty-six (36) quarter hours of scholastic work, and earned passing credits therefor.
5. Be, one week before the first conference game, carrying satisfactorily two-thirds of the normal hours of the curriculum in which he is enrolled for the quarter of participation. All members of the squad found eligible one week before the first conference game shall be declared scholastically eligible for the season in question; provided, that in cases of moral delinquency no previous notice shall be required to disqualify.
5. Pass any physical tests set by the department of physical education.

6. Have registered not later than three weeks after the first day of registration in the quarter in which he desires to compete.

(b) No student shall participate in any one intercollegiate sport for more than three college seasons in the aggregate, and shall not compete in varsity competitions in more than four separate academic years. In the interpretation of this rule it is understood that any man who participated in any intercollegiate competition previous to December 1, 1915, shall be eligible to compete in any sport for four seasons in the aggregate.

(c) So far as applicable these regulations shall apply to freshmen. Freshmen shall not be allowed to play with varsity men on a team representing the institution in any outside competition. For the purpose of this rule a person, to be a freshman, must have completed less than thirty-six quarter hours of scholastic work.

(d) Eligibility in athletic cases shall be determined by the chairman of the faculty athletic committee.

(e) Athletics for women shall be limited to games and contests within the University. Such games and contests shall not be open to the public. Eligibility in these cases shall be determined by the head of the department of physical education and hygiene for women.

Group II

Dramatics, music, debate, oratory, for which credit is given.

(a) In these activities a student must comply with the foregoing general rules of eligibility and must satisfy the department responsible for the work, before he is allowed to represent the University; provided, that if a student engages in any part of these activities without registering for the course of which it forms a part, his eligibility shall be determined by the committee on student welfare.

(b) No student shall take part in more than one dramatic performance during a quarter unless such performance is part of a regular course for credit.

Group III

All-University public performances managed by students and not included in Groups I and II.

(a) In these activities, a student must comply with the foregoing general rules of eligibility and satisfy the committee on student welfare before he is allowed to represent the University.

MISCELLANEOUS

Rule 49. Smoking shall not be allowed in the University recitation or laboratory buildings or on the steps thereof.

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

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

(b) All extra-departmental groups, wishing to have speakers address them must have the speakers approved by the assembly commit-

tee and must secure the permission of the superintendent of buildings for the use of any of the University buildings or any part of the grounds of the University.

Rule 52. There may be three University formal social functions in any academic year, viz., the junior prom and the varsity ball, not open to freshmen, and the cadet ball, open to freshmen.

Rule 53. (a) During the first four weeks of any quarter, no fraternity or sorority nor any organization or club whose membership is made up wholly of men or women shall give any social function at which members of the opposite sex are entertained.

(b) During the college year, social functions may be held on Friday and Saturdays only. The night before a single University holiday shall be free for social affairs, except in the case of the night before Campus Day.

(c) No social functions involving both sexes may be held within the two weeks preceding the quarter or year examinations.

FRATERNITIES AND SORORITIES

(d) During the college year, picnics may be held only Saturdays.

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

(b) No student having less than junior standing shall be initiated into a fraternity or sorority until he or she has earned 18 "scholastic credits" or provisional credits in two quarters, or 15 in one quarter, at this University. (Provisional credits are those given on successful completion of one quarter's work in a course running through two or three quarters. Such credit becomes final when the entire course is completed.)

(c) Any ex-service man entering the University with fifteen entrance units, at least ten academic credits, and a minimum of ten military credits, shall be regarded as eligible for initiation into a fraternity.

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

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

Rule 55. The location of all fraternity and sorority houses must be approved by the president of the University.

COLLEGE OF LIBERAL ARTS

THE FACULTY, 1926-1927

Henry Suzzallo, Ph.D. (Columbia), LL.D. (California), LL.D. (British Columbia)	<i>President</i>
David Thomson, B.A. (Toronto)	<i>Professor of Latin; Dean of Faculties and Dean of the College of Liberal Arts</i>
Fred Carlton Ayer, Ph.D. (Chicago)	<i>Professor of Education</i>
Allen Rogers Benham, Ph.D. (Yale)	<i>Professor of English</i>
Frederick Elmer Bolton, Ph.D. (Clark)	<i>Professor of Education; Dean of the School of Education</i>
Herbert E. Cory, Ph.D. (Harvard)	<i>Professor in Liberal Arts</i>
Pierre Joseph Frein, Ph.D. (Johns Hopkins)	<i>Professor of Romanic Languages</i>
Herbert Henry Gowen, F.R.G.S., M.R.S.A., D.D. (Whitman)	<i>Professor of Oriental Languages and Literature</i>
Howard Thompson Lewis, A.M. (Wisconsin)	<i>Professor of Economics and Dean of the College of Business Administration</i>
Charles E. Martin, Ph.D. (Columbia)	<i>Professor of Political Science</i>
Edmond S. Meany, M.L. (Wisconsin), LL.D. (Puget Sound)	<i>Professor of History</i>
William Daniel Moriarty, Ph.D. (Michigan)	<i>Professor of Economics and Business Administration</i>
Robert Edouard Moritz, Ph.N.D. (Strassburg)	<i>Professor of Mathematics</i>
Caroline Haven Ober	<i>Professor of Spanish</i>
Frederick Morgan Padelford, Ph.D. (Yale)	<i>Professor of English; Dean of the Graduate School</i>
Vernon Louis Parrington, A.B. (Harvard) A.M. (Emporia)	<i>Professor of English</i>
Howard Hall Preston, Ph.D. (Iowa)	<i>Professor of Economics and Business Administration</i>
Effie Isabel Raitt, A.M. (Columbia)	<i>Professor of Home Economics</i>
Edgar Dunnington Randolph, Ph.D. (Columbia)	<i>Professor of Education</i>
Oliver Huntington Richardson, Ph.D. (Heidelberg)	<i>Professor of European History</i>
Alexander Crippen Roberts, Ph.D. (Washington)	<i>Professor of Education; Director of the Extension Service</i>
William Savery, Ph.D. (Harvard)	<i>Professor of Philosophy</i>
Stevenson Smith, Ph.D. (Pennsylvania)	<i>Professor of Psychology</i>
George Wallace Umphrey, Ph.D. (Harvard)	<i>Professor of Romanic Languages</i>
Edwin John Vickner, Ph.D. (Minnesota)	<i>Professor of Scandinavian Languages</i>
Roy M. Winger, Ph.D. (Johns Hopkins)	<i>Professor of Mathematics</i>
Howard B. Woolston, Ph.D. (Columbia)	<i>Professor of Sociology</i>
Allen Fuller Carpenter, Ph.D. (Chicago)	<i>Professor in Mathematics</i>
Edward Godfrey Cox, Ph.D. (Cornell)	<i>Professor of English</i>
Roderick Duncan McKenzie, Ph.D. (Chicago)	<i>Professor of Sociology</i>
*Grace Goldena Denny, A.M. (Columbia)	<i>Associate Professor of Home Economics</i>
William H. George, Ph.D. (Harvard)	<i>Associate Professor of Political Science</i>
Charles Goggio, Ph.D. (Wisconsin)	<i>Associate Professor of Romanic Languages</i>
Dudley David Griffith, Ph.D. (Chicago)	<i>Associate Professor of English</i>
Edwin Ray Guthrie, Ph.D. (Pennsylvania)	<i>Associate Professor of Psychology</i>
Edward McMahon, A.M. (Wisconsin)	<i>Associate Professor of American History</i>
Loren Douglas Milliman, A.B. (Michigan)	<i>Associate Professor of English</i>
Frederick Wesley Orr, A.M. (Lawrence)	<i>Associate Professor of English</i>
Otto Patzer, Ph.D. (Wisconsin)	<i>Associate Professor of French</i>
Thomas Kay Sidney, Ph.D. (Chicago)	<i>Associate Professor of Latin and Greek</i>
Macy Milmore Skinner, Ph.D. (Harvard)	<i>Associate Professor of Economics and Business Administration</i>
Joseph Barlow Harrison, B.A. (Oxford)	<i>Associate Professor of English</i>
Theresa Schmid McMahon, Ph.D. (Wisconsin)	<i>Associate Professor of Economics</i>
Ralph Mason Blake, Ph.D. (Harvard)	<i>Assistant Professor of Philosophy</i>
Addie Jeannette Bliss, A.M. (Columbia)	<i>Assistant Professor of Home Economics</i>
Kenneth Cole, B.Lit. (Oxford)	<i>Assistant Professor of Political Science</i>
Harvey Bruce Densmore, B.A. (Oxford)	<i>Assistant Professor of Greek</i>
Louis Peter DeVries, Ph.D. (Wisconsin)	<i>Assistant Professor of Romanic Languages</i>
August Dvorak, Ph.D. (Minnesota)	<i>Assistant Professor of Education</i>
Ernest Otto Eckelman, Ph.D. (Heidelberg)	<i>Assistant Professor of Germanic Languages</i>
George Irving Gavett, B.S. (C.E.) (Michigan)	<i>Assistant Professor of Mathematics</i>

*Absent Spring Quarter, 1926-27.

Norman Sylvester Hayner, Ph.D. (Chicago).....	Assistant Professor of Sociology
Charles Louis Heimlinge, A.M. (Washington)....	Assistant Professor of Romance Languages
Glenn Arthur Hughes, A.M. (Washington).....	Assistant Professor of English and Dramatic Art
Martha Koehne, A.M. (Ohio State).....	Assistant Professor of Home Economics
Frank Laube, A.M. (Washington).....	Assistant Professor of Political Science
*Henry Lucas, Ph.D. (Michigan).....	Assistant Professor of History
George Andrew Lundberg, Ph.D. (Minnesota).....	Assistant Professor of Sociology
Lewis I. Neikirk, Ph.D. (Pennsylvania).....	Assistant Professor of Mathematics
Virginia C. Patty, B.S. (Columbia).....	Assistant Professor of Home Economics
Jessie Irene Rowntree, M.S. (Chicago).....	Acting Assistant Professor of Home Economics
Leslie Spler, Ph.D. (Columbia).....	Assistant Professor of Anthropology
Curtis Talmadge Williams, Ph.D. (Clark).....	Assistant Professor of Education
Read Bain, A.M. (Oregon).....	Lecturer on Sociology
Josef W. Hall, A.B. (Columbia College)....	Lecturer on Oriental Languages and Literature
Albert Anton Heinz, A.M. (Missouri).....	Lecturer on Mathematics
Cecil L. Hughes, A.M. (Washington).....	Lecturer on Education
Otis Bedney Sperlin, Ph.M. (Chicago).....	Lecturer on English
Edward Noble Stone, A.M. (Olivet).....	Lecturer on Classical Languages
John R. Adams, A.M. (Michigan).....	Associate in English
Lola Brown, A.M. (Washington).....	Associate in English
Iva Buchanan, A.M. (Washington).....	Associate in History
Clyde Myron Cramlet, Ph.D. (Washington).....	Associate in Mathematics
Eloise Virtue Devoe, M.S. (Columbia).....	Associate in Home Economics
Edgar Marion Draper, A.M. (Washington).....	Associate in Education
James Emmanuel Ernst, Ph.D. (Pennsylvania).....	Associate in English
Amy Violet Hall, A.M. (Washington).....	Associate in English
Rachel Hamilton, A.M. (Washington).....	Associate in French
*Arthur Jerbert, M.S. (Washington).....	Associate in Mathematics
Arlan Johnson, A.M. (Columbia).....	Associate in Sociology
Pamella Pearl Jones, A.M. (Iowa State).....	Associate in English
Sylvia Finlay Kerrigan, A.M. (Washington).....	Associate in English
Jane S. Lawson, M.A. (Saint Andrews).....	Associate in English
Hunter Campbell Lewis, M.A. (British Columbia).....	Associate in English
Thomas Francis Mundie, M.A. (Saint Andrews).....	Associate in English
Lurline Simpson, A.M. (Washington).....	Associate in French
Bertha Almen Vickner, A.M. (Washington).....	Associate in English
Edward Wagenknecht, A.M. (Chicago).....	Associate in English
Charles H. Watson, A.M. (Kansas).....	Associate in Education
Eleanor Wesner, A.M. (Northwestern).....	Associate in German
Earl D. West, A.M. (Adrian).....	Associate in Mathematics
Sophus Keith Winther, A.M. (Oregon).....	Associate in English
Edith Dobie, Ph.D. (Stanford).....	Instructor in History
Martha Estella Dresslar, M.S. (Columbia).....	Instructor in Home Economics
Carlos Garcia-Prada, A.M. (Michigan).....	Instructor in Spanish
Alletta Gillette, A.M. (Washington).....	Extension Instructor in English
William Griffith, A.M. (Washington).....	Instructor in Psychology
Ruth M. Lusby, A.M. (Columbia).....	Instructor in Institutional Management
Hermance Mullemeister, Ph.D. (Utrecht).....	Instructor in Mathematics
Cecil Eden Quinton, B.A. (Cambridge).....	Instructor in History
Walter Bell Whittlesey, A.M. (Washington).....	Instructor in French
James George Arbuthnot, B.S. (Kansas State College).....	Assistant Professor of Physical Education for Men
Irving Mackey Glen, A.M. (Oregon).....	Professor of Music Dean of the College of Fine Arts
Mary Emma Gross, A.M. (Columbia).....	Associate Professor of Physical Education for Women
David Connolly Hall, Sc.M., M.D. (Chicago)....	University Health Officer; Professor of Hygiene
Robert W. Jones, A.M. (South Dakota).....	Associate Professor of Journalism
Trevor Kincaid, A.M. (Washington).....	Professor of Zoology
Albert R. Lovejoy, B.L.I. (Emerson).....	Associate in Dramatic Art
Frederick Arthur Osborn, Ph.D. (Michigan).....	Professor of Physics
George Burton Riggs, Ph.D. (Chicago).....	Associate Professor of Botany
Edwin James Saunders, A.M. (Harvard).....	Assistant Professor of Geology
George McPhail Smith, Ph.D. (Freiburg).....	Professor of Inorganic Chemistry

*Absent on Leave 1926-27.

GENERAL STATEMENT

The College of Liberal Arts provides instruction in languages, education, economics and business administration, history, mathematics, philosophy, political science, psychology, sociology, and anthropology. With the College of Science, it affords the student an opportunity to acquire a general education which shall serve as a sure foundation for real success in whatever profession he may choose. In the College of Liberal Arts the work of the high school is closely articulated with that of the college. To obtain the degree of bachelor of arts the student must first fulfill the requirements of the lower division and then complete two years of work in the upper division. The detailed requirements are set forth below.

REQUIREMENTS FOR ADMISSION

Correspondence.—Credentials and all correspondence relating to admission to any college or school of the University should be addressed to the Registrar, University of Washington. Full information concerning admission, registration and expenses may be found on pages 42, 50 52.

Scholarship Requirement.—From 1921 to 1925, inclusive, an applicant for admission to the University was required to present grades of 80 or better in two-thirds of the credits earned in high school after September, 1921.

The following modified form of scholarship requirement, recommended by a committee of high school principals, has been adopted by the University:

Admission to the University shall be granted to recommended graduates of accredited four-year high schools who

- (a) Present a record of scholarship two-thirds of the marks of which are at least one step above the lowest passing grade. (One "step" means one letter, or other symbol, in a system using three or four passing grades. In a purely percentage system, a "step" would mean a minimum of one-fourth of the interval between the lowest passing grade and 100. The old scholarship rule will be applied to percentage grades earned prior to the second semester 1924-1925.)
- (b) Have not more than three semester failures in the high school course. (Failures appearing in the applicant's high school record prior to June, 1925, will not be counted in the application of this section of the regulation.)
- (c) Have not more than eight units (sixteen credits) earned in courses open to high school freshmen. (The provisions of this section of the regulation will not be applied to applicants entering the University before the beginning of the autumn quarter, 1926.)

Provision for Raising Grades.—If a graduate of an accredited secondary school fails to meet the scholarship requirement, he has the privilege of qualifying for admission either by (a) raising his grades by passing the regular "make-up" examinations of his school, or by (b) passing the regular University entrance examinations in a sufficient number of subjects in which he has fallen below the required standard, to bring his average grade up to the required two-thirds, one step at least above the lowest passing grade. Successful passing of these examinations will require a very thorough review of the subjects concerned after the work has been completed in high school.

Any student who wishes to be examined to bring his average grade up to the required two-thirds should send to the registrar, with his application for examination, a detailed statement of courses in which he desires to be examined. This is essential, so that the examination may be a fair test of

the student's ability. Such descriptions may best be obtained through the high school principal. (For dates see General Information section, page 48.)

Provisional Admission to the University may, on recommendation of the principal, be granted for one quarter to those applicants who

- (a) Meet all specific University requirements, but
- (b) Fail to meet any or all of provisions (a), (b), or (c) of the scholarship requirement, and
 1. Show strong working traits, special interest, or talents as indicated in their applications and endorsed by the principal, and
 2. Show a sufficiently high intelligence quotient in a test given by the University.

Special forms for recommending graduates for provisional admission will be furnished to high school principals on request. It is essential that *all* the information called for in these forms shall be available when a recommendation for provisional admission is considered by the committee on admission. The recommendation form, together with a complete copy of the student's high school record, must be sent by the principal directly to the registrar, and not given to the student.

ADMISSION OF FOREIGN STUDENTS

Students from approved schools in foreign countries will be admitted under the same general conditions as those from American schools, provided they have a sufficient working knowledge of English to enable them to carry regular college work successfully.

ADMISSION OF STUDENTS FROM OTHER COLLEGES

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 their requirements for the bachelor's degree. Otherwise, by failing to fulfil 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.

ADVANCED CREDIT BY EXAMINATION

A student may be examined for advanced credit in work that he has not followed in a college class at the University, with the approval of the instructor concerned. Credits and grades so obtained must be certified by the examiner and the registrar, and shall not be given for work done while the student is in residence.

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

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

Admission of Normal School Graduates to Advanced Standing.—Graduates of the two-year curriculum of approved normal schools may receive junior standing provided their credits meet the requirements of the University for entrance, scholastic standing, and credit hour load.

For graduation with the degree of bachelor of arts a normal school graduate with such advanced credit must earn in the University a sufficient number of credits to bring the total up to 180 credits plus ten credits of required courses in physical education or military science, and including all specific requirements for the degree not fairly covered by previous work. Claims for exemption from specific requirements, based on work in normal school, are passed on by the registrar and the dean of the college.

It should be noted that a student whose work in high school and normal school has not included a sufficient number of special requirements of the College of Liberal Arts, may find it necessary to offer more than the usual 180 scholastic credits for the degree of bachelor of arts.

A minimum of three full quarters of residence in the senior year, with completion of 36 hours of work, is required for any degree granted by the University.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

To obtain the degree of bachelor of arts (A.B.) the student must complete not less than 190 credits, must observe the restrictions in regard to major and group requirements, scholarship requirements, and the requirements of the lower and upper divisions, and must show a reading knowledge of one of the foreign languages taught in the University. Detailed information is given below.

I. ADMISSION TO THE COLLEGE OF LIBERAL ARTS

For entrance to the College of Liberal Arts, a student must present 15 units*, as follows:

1. Subjects required in the secondary school:¹

- (a) 3 units of English
- (b) 1 unit of algebra
- (c) 1 unit of geometry
- (d) 2 units of one foreign language

For the College of Liberal Arts the foreign language requirement may be satisfied by: Latin, Greek, French, German, Spanish, Scandinavian or Italian. If a student fails to present two units in one of these languages, but presents two units in another foreign language, he will receive college credit for required foreign language taken in the University.

In order to secure the greatest freedom of election in college, the remaining 8 units should be distributed as follows:

- (e) 1 unit of United States history and civics
- (f) 1 unit of history other than (e)
- (g) 1 unit of physics or chemistry with laboratory
- (h) 1 unit of botany, geology, or zoology with laboratory
- (i) 1 additional unit in mathematics, language, history, or one of the sciences mentioned in (g) or (h), to satisfy the requirement of 3 units in one of the subjects mentioned.

* A "unit" is applied to work taken in high school; a "credit" to work taken in college. 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 thirty-six weeks. In satisfying entrance requirements with college courses, a minimum of ten credits is counted as the equivalent of the entrance unit.

¹ A student who has not taken these subjects in the secondary school must make up the deficiency in the University as part of his regular schedule of work, but without receiving college credit. Deficiencies must be registered for on entrance, except in *rare* cases where the dean may grant permission to defer them. All deficiencies must be made up by the end of the fourth quarter of residence; failure to comply with this requirement will make a student ineligible for readmission until regular standing has been acquired.

- (j) 3 units of electives selected from subjects accepted by an approved high school for its diploma. Less than one unit will not be counted in physics, chemistry, general biology, or a foreign language. A maximum of 4 units will be counted in vocational subjects.

II. REQUIREMENTS OF THE LOWER DIVISION

	NO EXEMPTIONS, UNLESS ONE OFFERS
U.S. history 57-58-59	1 year of U.S. history in high school (may be $\frac{1}{2}$ civics and $\frac{1}{2}$ U.S. history)
Other history: 1-2; 5-6; 71-72-73	1 year of any history other than U.S. in high school
Physics or chemistry, 10 credits of one	1 year of one in high school
Botany, or geology, or zoology, 10 credits of one	1 year of one in high school
English 1-2	Exemption by examination only
Ancient life and literature, 10 credits of classical literature and civilization in translation or 10 credits of Oriental languages in translation <i>Do not mix</i>	3 years of ancient language in high school or college, or in high school and college combined
Economics, Political science, or sociology 10 credits of one, or 5 credits of two. Course 1 must be a prerequisite of the second 5 credits (A student who has not had civics in high school must take Political Science 1 in college)	No exemption
Psychology 1, 5 credits	No exemption
Philosophy 1, 2, 3, or 5, 5 credits	No exemption
Military science or physical education, 10 credits	

The work of the lower division comprises studies of the freshman and sophomore years of the undergraduate curriculum. A student is said to be enrolled in the lower division until he has completed all such courses as are required during the first two college years, and until he has attained a minimum of 90 scholastic credits.

As a rule students in the lower division must confine their election to courses numbered 1 to 99 in the catalogue. If a student has had the proper prerequisite or is deemed qualified in intellectual maturity he may register for an upper division course with the consent of the dean and instructor concerned. (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 his registering officer.) If a student avails himself of this privilege he should be careful not to allow it to interfere with the completion of all the requirements of the first two years.

III. 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. A student is said to be enrolled in the upper division when he has completed all such studies as are required during the first two college years and has attained a minimum of 90 scholastic credits, plus the ten credits in military science or physical education.

At least 60 credits of the 180 scholastic credits required for graduation must be in upper division courses (courses numbered 100 to 199, or courses numbered below 100 for which upper division credit can be earned); and these 60 upper division credits shall include at least 50 per cent of the credits offered in the major.

IV. MAJOR AND GROUP REQUIREMENTS

Students should consult with the executive officer of a department before registering for courses in their prospective major.

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

(b) Of the credits earned in the major, at least 50 per cent must be in upper division courses. In the application of this rule, courses 1-2 in English or a foreign language may be disregarded when counting credits for a major.

(c) The number of credits in the major and any other single department combined must not exceed 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). In the application of this rule, French, Italian and Spanish are treated as separate departments.

(d) At least 72 credits, including the major, must be earned 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 languages and literature, Romanic languages and literature, Scandinavian.

Group 2. Philosophical.—Anthropology, economics and business administration, education, history, mathematics, philosophy, political science, psychology, sociology.

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

V. REQUIREMENTS FOR A MAJOR IN ECONOMICS

Liberal Arts students majoring in Economics must have at least 50 per cent of the major in upper division courses; they must take course 160 and shall select at least 30 additional credits in courses from the following list:

- | | |
|---|----------------------------------|
| 1, 2. General Economics | 121. Corporation Finance |
| 60. Labor in Industry | 159. Advanced Money and Banking |
| 61. Social and Economic Standards of Living | 161. American Labor Problems |
| 103. Money and Banking | 162. European Labor Problems |
| 104. Economics of Transportation | 164. Land Economics |
| 106. Economics of Marketing and Advertising | 165. Labor Legislation |
| 108. Risk and Risk Bearing | 166. Women in Industry |
| | 168. History of Economic Thought |
| | 181. Economics of Consumption |

Courses offered in the summer quarter shall be accepted on an economics major only upon the approval of the dean of the College of Business Administration.

VI. READING KNOWLEDGE OF A FOREIGN LANGUAGE

A reading knowledge of one of the foreign languages taught in the University is required for graduation from Liberal Arts. Students may take the test in satisfaction of this requirement during any quarter of residence, and must sign up for it in the dean's office not later than a date set at least four weeks from the end of the quarter.

This requirement does not apply to graduates of the six-year Arts and Law curriculum, nor to students planning to graduate under a catalogue earlier than 1923-1924.

VII. KNOWLEDGE OF STATE AND FEDERAL CONSTITUTIONS

VII. A requirement for any degree granted by this University is a knowledge of the Federal and State Constitutions. For further information on this matter, see the announcement under Political Science 101 in the Departments of Instruction bulletin.

VIII. SCHOLARSHIP REQUIREMENTS

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

IX. SCHEDULE OF LIMITATIONS

No student shall be registered for more than 16 hours a quarter (exclusive of military science and physical education) or for less than 12 hours a quarter except with the consent of the dean. In addition to a load of 16 plus 1 2-3 hours a student may carry a maximum of 8 hours per week outside work without special permission. But if he carries more than 8 hours outside, he must have the dean's signature for excess hours, each 3 hours of outside work counting the same as one credit hour. A student who is obliged to do outside work must enter on his registration blank a statement of the nature of the work and the number of hours per week so used. In considering petitions for reinstatement the Board of Deans shall take no cognizance of outside work if it has not been noted on the student's registration blank. No entering freshman may carry excess hours. When applying to the dean for the privilege of carrying excess hours a student must bring his grade book; to warrant a 17-hour schedule grades should average nearly B with no grades below C; for an 18-hour schedule grades should be practically straight B or better; for a 19-hour schedule grades should all be A. Juniors and seniors who have made *exceptionally* good records may in rare cases be allowed to carry 20 hours.

Deficiencies which are being made up in high school shall count as five credit hours per half unit.

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

The work of the senior year (a minimum of 36 credits earned in three quarters) must be done in residence.

Each senior shall, upon registration, file with the registrar a written application for his degree. Each application shall be checked by the Committee on Graduation at least six months before the date at which the student expects to be graduated and notice shall be sent to the student by the registrar of the acceptance or rejection of his application. The accepted list shall be submitted at the last regular meeting of the faculty for the quarter in which the checking is done and, if approved by the faculty, with or without modification, shall constitute the list of candidates to be recommended for graduation upon the completion of the work requisite for their

respective degrees. No change shall be made in this list unless ordered by a two-thirds vote of the members of the faculty present.

Note.—Applicants who are late in filing their applications cannot be assured of recommendation to the faculty, or of consideration of petitions for modification of requirements.

All students shall have the option of being held to the entrance and graduation requirements of the catalogue under which they enter, or those of the catalogue under which they expect to graduate. All responsibility for fulfilling the requirements for graduation from the various schools and colleges of the University shall be thrown upon the student concerned.

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

In determining the fitness of a candidate for a degree, his attitude toward his financial obligations shall be taken into consideration.

SCHEME OF ELECTIVES

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

A total of thirty-six credits in courses given outside of these colleges may be counted toward a bachelor of arts degree. Of these thirty-six not more than twenty-four may be taken in any one college or school, except that from the College of Fine Arts thirty-six credits may be counted.

EXAMINATIONS

Examinations shall be held at the close of each quarter in all courses at the last scheduled class-hour of the quarter, and also at the next preceding class hour, if desired; except in laboratory courses, when the last laboratory period may be used as a substitute or in addition.

A student desiring to be absent from his scheduled examinations must before leaving college, present to the instructors concerned permission from his dean to be absent. The postponed examination may be taken under the following conditions:

(a) The student shall pay a fee of \$1 at the comptroller's office and get a receipt for same;

(b) The student shall present this receipt to the registrar, who shall issue a card entitling the student to the examination;

(c) The student shall present this card to the instructor concerned and shall take the delayed examination at a time approved by the instructor. No instructor need give more than one special examination in any one subject in any quarter.

In certain courses running through two or more quarters the examination on the work of the first quarter is provisional, final credit not being given until the examination for the entire course has been passed. In the "Departments of Instruction" such courses are indicated by course numbers connected by hyphens.

The grade "E" is final and a student receiving a grade of "E" in a course can obtain credit for that course only by re-registering for it and repeating it.

An Incomplete is given only in case the student has been in attendance and done satisfactory work to within two weeks of the close of the quarter and has had a leave of absence from his dean. The two-week limit may be

extended to three weeks in emergency cases. (This extension of time shall not apply to one-term summer courses). An Incomplete in a course is convertible into a passing grade only during the next quarter in which the student is in residence, and provided the work of the course shall have been completed in a satisfactory manner. In special and rare cases removal of an incomplete may be deferred by the dean.

A grade of "W" can be given only in case of regular withdrawal while in good standing.

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

Except in cases of clerical error, no instructor shall be allowed to change a grade which has once been turned in to the registrar.

PRE-JOURNALISM CURRICULUM

Students entering the School of Journalism by way of the College of Liberal Arts must complete 90 scholastic credits, including the lower division requirements of the college, together with the required ten credits in military science or physical education. From the beginning of the freshman year, the adviser for pre-journalism students is the dean of the School of Journalism, or such persons as he may designate. The courses listed below are those required of pre-journalism students during the first two years. These courses are arranged in the order in which they should normally follow each other. Those with a double dagger are required. Those marked with a single dagger are regarded as essential. Others are suggested electives.

FIRST YEAR ¹			
	Credits		Credits
Architecture		Liberal Arts	
3. Architecture Appreciation	2	1. †Introduction to Modern Thought	5
Economics		‡Mil. Sci. or Phys Educ.	
1. †General Economics	5	‡Mil. Sci. or Phys. Ed.....	5
15. †Typewriting I	0	<i>Painting, Sculpture and Design</i>	
English		16, 17, 18. Art Appreciation.....	3
1. †Composition	5	<i>Political Science</i>	
64, 65. †Literary Backgrounds ² ..	10	1. †Comparative Government	5
History		<i>Science</i>	15
5-6. English Political and Social		<i>Sociology</i>	
History	10	1. †Introductory Sociology	5
Journalism			
1. Journalism as a Profession.....	1		
SECOND YEAR			
	Credits		Credits
Architecture		<i>Mil. Sci. or Phys Educ.</i>	
112, 113. Freehand Drawing.....	4	‡Mil. Sci. or Phys. Educ.....	5
Economics		<i>Music</i>	
103. Money and Banking	5	13. Music Appreciation	5
59. Business Statistics	5	4, 5, 6. History of Music.....	5
61. Standards of Living	5	<i>Latin</i>	
62, 63. Accounting	10	11. †Roman Civilization ³	5
106. Economics of Markets.....	5	<i>Philosophy</i>	
18, 19. †Shorthand I, II.....	0	5. †Introduction to Logic ⁴	5
English		<i>Psychology</i>	
67, 68, 69. †Great American Writers	6	1. †General Psychology	5
<i>Foreign Language</i>	10	<i>Science</i>	15
Greek		<i>Sociology</i>	
11. †Greek Civilization ³	5	56. Family Life	3
History		57. Child Welfare	3
57-58-59. †History of the United States	9	62. Public Recreation	3
71-72-73. Ancient History	9	63. Community Organization	5
Journalism		71. Immigration	5
51. †News Writing	5		
61. †Community Newspaper	3		

¹ If a student has not had in high school the sciences prescribed for junior standing in Liberal Arts, he is required to take ten hours of chemistry or physics and ten hours of botany or geology or zoology in the University. Students entering without foreign language are required to take twenty hours of a foreign language in the University without credit.

² English 66 may be substituted for either English 64 or English 65.

³ Students who have taken, or who plan to take, three or more years of ancient language, may omit this requirement. Greek 13 or Latin 13 may be substituted respectively for Greek 11 or Latin 11.

⁴ Philosophy 1 or Philosophy 3 may be substituted for this requirement.

PRE-LAW CURRICULUM

To be admitted from the College of Liberal Arts to regular standing in the Law School students must have completed the requirements of the lower division prescribed for the College of Liberal Arts.

It is possible to obtain the degrees of bachelor of arts and bachelor of laws in six years. To have the benefit of this provision, students must maintain a uniformly good record and must in the first three years earn 144 Liberal Arts credits together with the ten credits of required military science or physical education. In the 144 credits must be included a major of at least 36 credits, together with all the requirements of the lower division. At least one-half of the credits in the major must be earned in upper division courses. Not later than the beginning of the third or junior year the student should make his own determination of a major and should advise with the major professor of that department as to a program to follow. As one of the requirements for the A.B. degree is 60 credits earned in upper division courses and as the 36 credits in Law, which in the combined arts-law course may be counted towards this degree, are all upper division credit, it follows that at least 24 of the 144 referred to must also be in upper division courses. All students are urged, if possible, to take this combined course leading to the two degrees, as many Law Schools already require three years of college work and some even four years. To make the 144 credits in the three years, the student should carry an average of sixteen hours per quarter.

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 the University before entering the School of Law.

This privilege will not be extended to normal school graduates attempting to graduate in two years, nor to undergraduates of other colleges who enter this University with the rank of senior.

It is of first importance that in general the required courses, when available, should be those first registered for. By this means a student will more easily avoid conflicts which, later on, may preclude him from completing the required courses in his two or three year pre-law curriculum. The law school curriculum contemplates entrance in the autumn quarter and the student enters advantageously only at this time. This is of such importance, that, in cases where there are only a few deficiencies, they should, if possible, be removed during the intervening summer quarter or through the Extension Service.

Experience shows that many students, because of their selection of courses in the high school, do not meet the requirements for the lower division in the college. Particularly is this true of the foreign language requirement in which two years' work is required in the high school. In the event no foreign language has been taken in the high school, 20 credits in some foreign language must be taken in the University without credit, except in Latin, in which 15 credits will satisfy the deficiency. In such situations students are strongly urged to take Latin 1, 2, and 3, which are the beginning courses in this subject.

While only three years' work in English is required for entrance to the University, the student must either pass the University exemption examination in English composition or else take English 1 and 2 in the University. He is, however, urged to take these courses in the University and they should be registered for in the first and second quarters, or as soon thereafter as he can register for them.

Among the required courses in the lower division are some which may have been taken in the high school, but in the event they have not, they must be taken in the University. If taken in the University, credit is of course given, the only effect being to cut down the student's number of

electives. If U.S. history has not been taken in the high school the student must take History 57-58-59 in the University. If U.S. history has been taken, but civics not taken, the student must take Political Science 1 in the University. In addition to the U.S. history requirement, one year of another history must have been taken in the high school or the student will be obliged to take two quarters (10 credits) in the University. History 1 and 2 are recommended. If these requirements have been met either in the high school or the University, all Pre-law students are strongly urged in addition thereto, to take History 105 and History 108, and their sequences, throughout their sophomore year. These courses combined fill the 10 o'clock period for one year, and therefore the student is advised during his first year so to register as to leave this period free for the second year. These courses are open to pre-law sophomores.

The student must have had physics or chemistry one year in the high school, or take two quarters (10 credits) in one of them in the University. He must also have had botany or geology or zoology one year in the high school, or take two quarters (10 credits) in some one of them in the University. Experience shows that many students have not had both of the science groups. As they are laboratory courses and require two quarters' work, it is advisable to register for them as soon as possible because of possible conflict with other required courses. Courses offered in the high school as general biology will not answer the requirements, but where such courses consist substantially of one-half year each of botany and zoology, five hours of additional credit in one or the other of these two will satisfy that requirement.

In the event the student has not had three years of an ancient language (Greek or Latin) in the high school, or its equivalent in the University, he must take two quarters (10 credits) in ancient life and literature. These courses are given under the titles of Greek and Latin, but in fact are courses in the English language dealing with Greek and Latin life and literature. They are therefore required of all students who have had only a modern language. Students who have had two years only of Greek or Latin should also take these courses if they feel that they have lost touch with the language; otherwise, they are advised to continue with their Greek or Latin and in the event they have taken Latin 1, 2, and 3 in college they are urged to continue with Latin 4 and 5.

As to the subjects required in the first two years of the University: they are divided into four groups. Physical education or military science is required of all students. Five credits are required in philosophy. Philosophy 1, 2, or 3, or any two or three of these courses may be advantageously taken. These courses must not be registered for during the first year, and they may be postponed until the junior year if the student contemplates a three year pre-law course. Psychology 1 is required. Two quarters or ten credits in any one or combination of two of the following subjects, economics, political science or sociology, are required. Obviously, all are important as a background for the proper study of law, and Course 1 in each, at least, should be taken.

As the total of these required courses will not make the 90 credits required for the lower division, the balance of the credits will be made up of electives, being courses selected by the student from those offered for the lower division. As the lower division work contemplates a broad general training, the student is advised not to specialize at this time in any particular subject or group, but rather to take one or two additional courses in each or several of the various groups. In associated groups, such courses as Anthropology 51, Astronomy 1, Liberal Arts 1 and Liberal Arts 11 are suggested. A new course is offered this year in accounting, being a service course for students not in business administration, which is also recommended. The number and title of the course is B.A. 65, Accounting Survey. Particularly is the student urged to take additional courses in English, provided he feels that his training in this field is inadequate.

PRE-LIBRARY CURRICULUM

Students entering the Library School by way of the College of Liberal Arts must fulfill all of the entrance and lower division requirements of the college (see pages 78, 79) and must have a total of 145 credits, which must include the equivalent of at least 20 credits each of two modern foreign languages, French and German preferred. Electives are to be chosen only upon the approval of the Dean of the Library School, who is the adviser for all pre-library students. The degree of bachelor of science in library science is granted upon satisfactory completion of 45 credits in the Library School. The student entering the school should be a typist of accuracy and fair speed.

Practical service in a library before entering the library school is extremely advantageous to the student. The Library School advises (and shall later probably require) that each student shall have had before entering the school at least one month's actual experience in a well conducted library. The Dean of the Library School will be glad to assist any candidate for entrance to obtain this practical experience.

Students doing an inferior grade of work will be advised to discontinue work in the Library School. Grades below an average of B minus or C plus are too low. A poor scholastic record is not an adequate basis for a strong recommendation for library service.

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

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

A suggested curriculum for pre-library students is given below. The courses are arranged in the order in which they should normally follow each other. Those with a double dagger are required; those with a single dagger are strongly recommended; others are suggested electives.

FIRST YEAR

<i>English</i>	<i>Credits</i>	<i>Modern Foreign Language^a</i>	<i>Credits</i>
‡1-2. Composition	10	‡1-2-3. French or German	15
Unless exempted by examination,		<i>Psychology</i>	
70, 71, 72. Shakespeare or	9	‡1. General	5
64, 65, 66. Literary Backgrounds	15	<i>Liberal Arts</i>	
<i>History²</i>		‡1. Intro. to Modern Thought	5
1-2. Medieval & Modern or		<i>Painting, Sculpture and Design</i>	
5-6. Eng. Pol. & Social	10	16, 17, 18. Art appreciation	3
<i>Science³</i>		<i>Architecture</i>	
Botany, Geology or Zoology	10	3. Appreciation	2
or approved electives		<i>Latin⁴</i>	
		13. Roman Literature	5
		<i>Music</i>	
		13. Appreciation	5

SECOND YEAR

<i>Modern Foreign Language^a</i>	<i>Credits</i>	<i>Political Science</i>	<i>Credits</i>
‡Fourth quar. of for. lang.		‡1. Comparative Gov't ¹	5
previously taken	5	<i>Sociology</i>	
Begin other lang. required by		‡1. Introduction ¹	5
Library School	10	58. Neighborhood resources	3
<i>History²</i>		62. Public recreation	3
‡57-58-59. United States	9	<i>Economics</i>	
<i>Greek</i>		‡1. Introduction ¹	5
‡15-16. Civilization and Lit. ⁴	10	7. Geog. Backgrounds of Indus.	5
11. Civilization	5	61. Social & Econ. Stan.	5
<i>Anthropology</i>		<i>Liberal Arts</i>	
51. Growth of Civilization	5	‡11. Intro. to Fine Arts	5
<i>Zoology</i>		<i>Oriental Languages and Literature⁴</i>	
16, 17. Evolution and Eugenics	4	50, 51, or 52. Oriental Lit.	10

¹ This requirement may be satisfied by the first course in each of two of these (Econ., Soc., or Pol. Sci.), or the first course in any one of them together with five credits in another course for which the one taken first is a prerequisite.

² These requirements may be satisfied in high school or in college.

³ The Library School requires twenty hours each of two modern foreign languages, French and German preferred, in either high school or college.

⁴ Students who have taken, or plan to take three or more years of ancient language may omit this requirement. Ten credits from Greek 11, 13, Latin 11 and 13 may be substituted for Greek 15-16.

THIRD YEAR

<i>Modern Foreign Language</i> ²	<i>Science</i> ²
†Complete Library School require. . . 10	Chemistry 1-2 or 5-6..... 10
<i>Philosophy</i>	<i>Germanic Languages and Literature</i>
†1. 2, or 3. Introduction..... 5	†106, 108. German Lit. in tr..... 5
<i>History</i>	<i>Romanic Languages and Literature</i>
125. Turkey & Near East..... 5	†118, 119, 120. Survey French Lit... 9
†130. Europe, 1814-1870 5	†181, 182, 184. Italian Lit. 6
†131. Europe Since 1870..... 5	<i>Scandinavian Literature</i>
<i>Political Science</i>	109, 110, 111. Modern Scand. Lit... 3
†101. Federal and State Gov. 2	180, 181, 182. Recent Scand. 6
122. Foreign relations 3	<i>Oriental Languages and Literature</i>
123. International relations 3	114, 115, 116. Hist. of Religion.... 9
150. European govs. & Pol. Insts.... 3	120, 121. Probs of Pacific..... 4
161, 162, 163. Governments 15	
<i>English</i>	
†133, 134, 135. Main Tendencies.... 9	
†136, 137, 138. Main Tendencies.... 9	
†164, 165, 166. Am. Lit. from 1870 9	
174, 175, 176. 19th Century Poetry. 9	

PRE-EDUCATION CURRICULUM

Pre-education students and those expecting to major in education will register with a representative of the School of Education.

As pre-education students must fulfil all the lower division requirements of the College of Liberal Arts (as outlined on page 79), it is urged that those requirements be worked off as soon as possible.

The needs of public high school teachers may be roughly classified into four groups. The first two of these groups the purposeful student may confidently begin to meet in the freshman and sophomore years by supplementing the Liberal Arts requirements. The third and fourth groups are in the main open to juniors and seniors only.

GROUP I: *General Education.*

High school teachers should have a broad acquaintance with those liberalizing studies that give (1) knowledge of, and (2) appreciative insight into the nature, evolution, achievements, and problems of civilization, and especially with regard to their own society. Both the highest usefulness of the teacher and his satisfaction in his work are affected heavily by the breadth and the quality of his general education.

Breadth of education, however, is still compatible with an early intentional focusing which will give to scholarship a certain weight of close relevancy to the peculiar responsibilities of the teacher. Within the limits set by the academic organization of the departments and colleges, which in a University must attempt both to make scholars and to contribute to the special ends of professional schools, it is still possible for the prospective teacher to make choice of courses which will enhance his pleasures in his work and his value to his students.

Among the courses now open to freshmen and sophomores, the following are suggested as having large potential bearing on the making of a teacher:

FRESHMAN YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Political Science 1..... 5		History 6 5		Psychology 1 5	
History 5 5		English 65 5		English 66 5	
English 64 5		Liberal Arts 1 5		Zoology 17 2	
Zoology 16 2		P.S. & D. 17 1		P.S. & D. 18..... 1	
P.S. & D. 16..... 1		Geology 1a, 1b..... 5		Geology 2 5	
		Sociology 1 5		English 40 5	

SOPHOMORE YEAR

History 57 3	History 58 3	History 59 3
Geology 10 3	Anthropology 51 5	Education 101 5
or		Political Science 53 3
5	Philosophy 2 5 or	Philosophy 3 5

²These requirements may be satisfied in high school or in college.

³Th. Library School requires twenty hours each of two modern foreign languages, French and German preferred, in either high school or college.

GROUP II. *Special Scholarship in and Wide Margins About the Materials Actually to Be Taught in the Public Schools.*

The teacher must have the firm grasp of the materials in which he is to give instruction that will insure him an easy mind and set him free to study the difficulties met by beginners in his field of knowledge. Beyond this it is desirable for him to have courses that will set his subject in its social or cultural context, showing in general how his field has grown and what its development has meant to civilization; and whenever possible to sample the more closely related fields.

The rounding out of a teacher's education usually has to be left to graduate study, however. In the beginning each prospective teacher should prepare to give instruction in at least two subjects. It is impossible to give sound preparation for more; and results are better when these two subjects reenforce each other: as physics and chemistry, English and Latin, Latin and French or Spanish, history and political science or sociology.

However, the demands of superintendents are often not determined with reference to recognized principles of the professional education of teachers so much as by the exigencies of a chance need in their own system. Hence they may call for such combinations as home economics and English; manual training and physical education; mathematics and Latin; physical education and history; chemistry, physics and biology.

In general, however, such combinations as mathematics and physical sciences, English and history, physical science and biology, home economics and general science, Latin and French or Spanish, Latin and English, English and history, art and music seem to be the most feasible.

Last year there seemed to be an oversupply in English, in history and in the social sciences; an undersupply in commercial branches, and a general shortage of teachers who could combine with some firmly established subject some form of extra-curricular activity, such as coaching, for example.

Finally, "a poor, or unpleasing, or unattractive personality" is about as common a difficulty as "insufficient special scholarship." Teachers must be in the group of human beings who are better than average in personality.

GROUP III. *Special Knowledge of the School as an Institution, its Social Purposes and Relationships, Organization and Management, Characteristic Problems and "Growing Points," and professional Ideals and Instrumentalities.*

The courses offered in the School of Education are intended to meet the needs of the prospective teacher in this group.

The specific requirements for the normal diploma, which is a requirement for all high school teachers in the state of Washington, and to which all students in any college are eligible are: Education 101 (open to sophomores who have earned 65 hours), Education 119, 140, 145, and 160.

Students anticipating high school teaching are urged to take Education 101 as sophomores if they have earned 65 credits in college courses. It is a prerequisite to all other courses in education for all students except college graduates and students entering from normal school. Courses 119 and 140 should be taken during the junior year. These courses are prerequisite to Education 145 (practice teaching) which should be planned for the autumn or winter terms of the senior year. Placements for the spring term in the city schools are limited. The School of Education bulletin should be consulted for complete details concerning requirements for the normal diploma and for the proper arrangement of education courses to meet those requirements adequately.

GROUP IV. *Special Knowledge of Children's Varied Equipment and Needs, of the Learning Process, and of the Accumulated and Growing Craft-Experience and Technique of Teachers.*

Here fall courses offered chiefly in the School of Education and the department of psychology, but supplemented, usefully at points, by courses available in the departments of bacteriology, sociology, zoology and home economics.

COURSES OF STUDY

For description of courses see Departments of Instruction section.

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, 1926-1927

Henry Suzzallo, Ph.D. (Columbia), LL.D. (California), LL.D. (British Columbia)	<i>President</i>
David Thomson, B.A. (Toronto)	<i>Dean of Faculties</i>
Henry Landes, A.M. (Harvard)	<i>Professor of Geology; Dean of the College of Sciences</i>
Theodore Christian Frye, Ph.D. (Chicago)	<i>Professor of Botany</i>
Trevor Kincaid, A.M. (Washington)	<i>Professor of Zoology</i>
Frederick Arthur Osborn, Ph.D. (Michigan)	<i>Professor of Physics and Director of the Physics Laboratories</i>
Robert Edouard Moritz, Ph.D. (Nebraska), Ph.D. (Strassburg)	<i>Professor of Mathematics</i>
David Connolly Hall, Sc.M., M.D.	<i>Professor of Hygiene and University Health Officer</i>
Henry Kreitzer Benson, Ph.D. (Columbia)	<i>Professor of Industrial Chemistry</i>
John Weinzirl, Dr.P.H. (Harvard)	<i>Professor of Bacteriology</i>
Effie Isabel Raitt, A.M. (Columbia)	<i>Professor of Home Economics</i>
Stevenson Smith, Ph.D. (Pennsylvania)	<i>Professor of Psychology</i>
William Maurice Dehn, Ph.D. (Illinois)	<i>Professor of Organic Chemistry</i>
George McPhail Smith, Ph.D. (Freiburg)	<i>Professor of Inorganic Chemistry</i>
Charles Edwin Weaver, Ph.D. (California)	<i>Professor of Geology</i>
James Brady, Colonel, C.A.C., (U. S. Military Academy)	<i>Professor of Military Science and Tactics</i>
Roy Martin Winger, Ph.D. (Johns Hopkins)	<i>Professor of Mathematics</i>
Allen Fuller Carpenter, Ph.D. (Chicago)	<i>Associate Professor of Mathematics</i>
Henry Louis Brakel, Ph.D. (Cornell)	<i>Associate Professor of Engineering Physics</i>
George Burton Riggs, Ph.D. (Chicago)	<i>Associate Professor of Botany</i>
Herman Vance Tartar, Ph.D. (Chicago)	<i>Associate Professor of Chemistry</i>
Thomas Gordon Thompson, Ph.D. (Washington)	<i>Associate Professor of Chemistry</i>
**Grace Goldena Denny, M.A. (Columbia)	<i>Associate Professor of Home Economics</i>
Samuel Herbert Anderson, Ph.D. (Illinois)	<i>Associate Professor of Physics</i>
Edwin R. Guthrie, Ph.D. (Pennsylvania)	<i>Associate Professor of Psychology</i>
Mary Emma Gross, A.M. (Columbia)	<i>Associate Professor of Physical Education for Women</i>
John Earl Guberlet, Ph.D. (Illinois)	<i>Associate Professor of Zoology</i>
Edwin James Saunders, A.M. (Harvard)	<i>Assistant Professor of Geology</i>
George Irving Gavett, B.S. (C.E.) (Michigan)	<i>Assistant Professor of Mathematics</i>
Eli Victor Smith, Ph.D. (Northwestern)	<i>Assistant Professor of Zoology</i>
John William Hotson, Ph.D. (Harvard)	<i>Assistant Professor of Botany</i>
Lewis Irving Nefkirk, Ph.D. (Pennsylvania)	<i>Assistant Professor of Mathematics</i>
George Edward Goodspeed, Jr., B.S. (Min.E.) (Massachusetts Institute of Technology)	<i>Assistant Professor of Geology</i>
Virginia Cunningham Patty, B.S. (Columbia)	<i>Assistant Professor of Home Economics</i>
James George Arbuthnot, B.S. (Kansas State College)	<i>Assistant Professor and Director of Physical Education for Men</i>
*Martha Koehne, A.M. (Ohio)	<i>Assistant Professor of Home Economics</i>
Royal Kemp Greene, Major, C.A.C., (Grad. U. S. Military Academy)	<i>Assistant Professor of Military Science and Tactics</i>

* Absent on leave 1926-1927.

** Absent Spring Quarter, 1926-1927.

- Henry C. K. Muhlenberg, Major, Air Service, (Grad U. S. Military Academy)....*Assistant Professor of Military Science and Tactics*
- Otto Harry Schrader, Major, C.A.C., B.S. (E.E.) (Purdue).....*Assistant Professor of Military Science and Tactics*
- Keith Sumner Gregory, Major, Infantry, (Grad., U. S. Military Academy).....*Assistant Professor of Military Science and Tactics*
- Edgar Harrison Underwood, Captain, C.A.C., B.S. (Chem. Eng.) (Tennessee)....*Assistant Professor of Military Science and Tactics*
- Hugh D. Adair, Captain, Infantry, (Grad., Wentworth Military Academy).....*Assistant Professor of Military Science and Tactics*
- Addie Jeanette Bliss, A.M. (Columbia).....*Assistant Professor of Home Economics*
- Rachel Emile Hoffstadt, D.Sc. (Johns Hopkins).....*Assistant Professor of Bacteriology*
- Robert Cunningham Miller, Ph.D. (California).....*Assistant Professor of Zoology*
- Lyman Crowell Boynton, Ph.D. (Columbia).....*Assistant Professor of Chemistry*
- Evan K. Meredith, Captain of Infantry..*Assistant Professor of Military Science and Tactics*
- Lillian C. Irwin, M.D. (Cooper Medical College).....*Lecturer on Hygiene for Women*
- Ethel Sanderson Radford, A.B. (McGill).....*Associate in Chemistry*
- Marjorie Whipple Peterson, M.S. (Washington).....*Associate in Chemistry*
- Earl Downs West, A.M. (Adrian College).....*Associate in Mathematics*
- Elizabeth S. Soule, R.N. (Malden, Massachusetts, Hospital School of Nursing and Public Health).....*Associate in Nursing and Public Health*
- Clarence Edmundson, B.S. (Idaho).....*Associate in Physical Education*
- Clyde Myron Cramlet, Ph.D. (Washington).....*Associate in Mathematics*
- Enoch Bagshaw, B.S. (M.E.) (Washington).....*Associate in Physical Education*
- Arthur Rudolph Jerbert, M.S. (Washington).....*Associate in Mathematics*
- Russell Stanley Callow, A.B. (Washington).....*Associate in Physical Education*
- Dorsett Graves (Missouri).....*Associate in Physical Education*
- Wayne Sutton, A.B. (Washington).....*Associate in Physical Education*
- Lou Eastwood Anderson, B.S. (Washington).....*Associate in Physical Education*
- Kirsten Larssen Newberry, M.S. (Washington).....*Associate in Physics*
- Kirby E. Jackson, M.S. (Vanderbilt University).....*Associate in Chemistry*
- Laurin L. Williams, 1st Lieutenant, Infantry, A.B. (Yale).....*Instructor in Military Science and Tactics*
- Christian Hildebrand, 1st Lieutenant, Infantry (U.S. Military Academy)....*Instructor in Military Science and Tactics*
- Ruth Margaret Lusby, A.M. (Columbia).....*Instructor in Institutional Management*
- Martha Dresslar, M.S. (Columbia).....*Instructor in Home Economics*
- Sargent G. Powell, Ph.D. (Illinois).....*Instructor in Chemistry*
- Mary Ald, A.B. (Wisconsin).....*Instructor in Physical Education*
- Raymond Forrest Farwell, M.A. (Washington).....*Instructor in Astronomy*
- Matilda Jane McGownd, A.M. (Columbia).....*Instructor in Physical Education*
- Hernance Mullemelster, Ph.D. (Royal University of Utrecht, Holland).....*Instructor in Mathematics*
- Victorian Sivetz, Ph.D. (McGill).....*Instructor in Chemistry*
- William Griffith, LL.B., M.A. (Washington).....*Instructor in Psychology*

GENERAL INFORMATION

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

- I. Elective curricula, for students desiring general training in science, leading to the degree of bachelor of science. *(May use Math Sci. 3-4-5-6)*
- II. Required curricula, for students desiring to specialize in one department, or to obtain professional training, leading to the degree of bachelor of science, in one of the following subjects:

A. Bacteriology	E. Mathematics
B. Biology	F. Military Science
C. Chemistry	G. Physics
D. Geology	
- III. Required curricula in group majors leading to the degree of bachelor of science:
 - A. For prospective teachers
 - B. Combined Science and Law
 - C. Library Science
 - D. Pre-Library
- IV. Prescribed curricula in vocational subjects:

A. Pre-medical	C. Home Economics
B. Nursing	D. Physical Education for Women.
- V. One-year course leading to certificate in Public Health Nursing.

LABORATORIES

The University of Washington has laboratories fully equipped for work in anatomy, astronomy, botany, chemistry, (including separate laboratories devoted to general chemistry, analytical chemistry, food inspection and analysis, physiological, industrial and pharmaceutical chemistry), geology, psychology, physics and zoology.

REQUIREMENTS FOR ADMISSION

Correspondence.—Credentials and all correspondence relating to admission to any college or school of the University should be addressed to the Registrar, University of Washington. Full information concerning admission, registration, expenses, may be found on pages 42 50, 52,

Freshman Standing.—Freshman standing in the University is granted to any recommended graduate of a four-year accredited secondary school who meets the scholarship requirements outlined on page 42.

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

CURRICULA

I. ELECTIVE CURRICULA

The student selecting these curricula must choose one department of the College of Science, in which he proposes to do the preponderance of his work. This department will be known as his major department and the subject as his major subject. If possible, the student should choose his major subject at the time of entrance.

To secure the degree of bachelor of science in this division of the college, a student must earn 190 credits, observing the restrictions in regard to a major subject, scholarship requirements, and electives in other colleges.

A. REQUIREMENTS IN A MAJOR SUBJECT

A student must earn not less than 36 nor more than 60 credits in his major department. Not more than 96 credits will be accepted in the major and any other one department.

B. DISTRIBUTION OF REQUIRED WORK

At least 60 of the scholastic credits presented for the degree of bachelor of science must be in the courses numbered above 100, and 18 such credits must be in the major subject. Requirements for graduation are as follows:

1. *Subjects Required in Secondary School:*

- (a) English, three years.
- (b) Elementary algebra, one year.
- (c) Plane geometry, one year.
- †(d) One foreign language, two years.

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

- (e) United States history and civics, one year in high school or ten credits in the University.
- (f) History in addition to (e), one year or ten credits. *may be combined*
- (g) Mathematics, geology*, or astronomy, one year or ten credits.
- (h) Chemistry, one year or ten credits.
- (i) Physics, one year or ten credits.
- (j) Botany or zoology, one year or ten credits.
- (k) The student must obtain a certificate of proficiency in English from the department of English, after examination, or must earn 10 credits in English composition in the University.

3. *Subjects Required in the University:*

- (l) Physical education, or military science, two years.
- (m) Economics, history, language, and literature, philosophy, political science, psychology, sociology, 20 credits, but only ten credits will be counted in any one of these subjects.

C. ELECTIVES

Students selecting these curricula may complete their courses with electives from any school or college of the University. Electives in engineering, fine arts, fisheries, forestry, law, mines, and pharmacy, must not exceed 36 credits in all, and must not exceed 25 credits from any one of these colleges.

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

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

II. CURRICULA IN THE VARIOUS DEPARTMENTS

A minimum of 190 credits is required for graduation from any of these curricula.

A. BACTERIOLOGY

FIRST YEAR

<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 or electives..	5	Psychology 1	5
Chemistry 1	5	Chemistry 2	5	Chemistry 23	5
Zoology 1 or 3	5	Zoology 2 or 4	4	Sociology 1	5
Mil. Sci. or Phys. Ed...1%		Mil. Sci. or Phys. Ed...1%		Mil. Sci. or Phys. Ed...1%	

SECOND YEAR

Bacteriology 101	5	Bacteriology 102	5	Bacteriology 103	5
Chemistry 131	5	Chemistry 132	5	Chemistry 111	5
Anatomy 105	6	Anatomy 106 or 102... 6		Anatomy 107 or 108.... 6	
Mil. Sci. or Phys. Ed...1%		Mil. Sci. or Phys. Ed...1%		Mil. Sci. or Phys. Ed...1%	

THIRD YEAR

Bacteriology 104	5	Bacteriology 105	5	Bacteriology 106	5
Physics 1	5	Physics 2	5	Physics 3	5
Electives	5	Electives	5	Electives	5

FOURTH YEAR

Bacteriology 112	5	Bacteriology 121	5	Bacteriology 122	5
Electives	5	Electives	8	Electives	10
Bacteriology 120	5	Pol. Sci. 101.....	2		

B. BIOLOGICAL SCIENCES

In this curriculum the student must select a major in anatomy, botany, or zoology. On selecting his major subject, the student should at once consult his major department, a member of which will act as his advisor. The advisor will plan a special curriculum for the student, fitting him for his chosen work. This curriculum must be submitted to the dean of the College of Science for approval. Thereafter the individual curriculum can be changed only with consent of the advisor and the dean.

FIRST YEAR

<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 or Electives...	5	Mathematics or Elective..	5
Botany or Zoology.....	5	Botany or Zoology.....	5	Electives	10
Electives	5	**Mathematics or Elect..	5		
Mil. Sci. or Phys. Ed...1%		Mil. Sci. or Phys. Ed...1%		Mil. Sci. or Phys. Ed...1%	

SECOND YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Chemistry or Physics... 5		Chemistry or Physics.... 5			
Major	5	Major	5	Major	5
Electives	5	Electives	5	Electives	10
Mil. Sci. or Phys. Ed...1%		Mil. Sci. or Phys. Ed...1%		Mil. Sci. or Phys. Ed...1%	

THIRD YEAR

Major	5	Major	5	Major	5
Soc., Pol. Sci. or Econ... 5		Soc., Pol. Sci. or Econ... 5		Electives	10
Electives	5	Electives	5		

FOURTH YEAR

Major	5	Major	5	Electives	13
Electives	10	Electives	10	Pol. Sci. 101.....	2

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

C. CHEMISTRY

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Chemistry 1 or 21.... 5		Chemistry 2 or 22..... 5		Chemistry 23	5
Mathematics 4	5	Mathematics 5	5	Mathematics 6	5
English 1	5	English 2 or 'Electives. 5		'Electives	5
Mil. Sci. or Phys. Ed...1½		Mil. Sci. or Phys. Ed...1½		Mil. Sci. or Phys. Ed...1½	
Options: (a) Geology or Mineralogy. (b) Mechanical Drawing. (c) Biological Science.					

SECOND YEAR

Chemistry 101	5	Chemistry 109	5	Chemistry 110	5
Physics 1 or 97..... 5		Physics 2 or 98..... 5		Physics 3 or 99..... 5	
Mathematics 61	3	Mathematics 62	3	'Electives	5
Electives	2	Electives	2	Mil. Sci. or Phys. Ed...1½	
Mil. Sci. or Phys. Ed...1½		Mil. Sci. or Phys. Ed...1½			

THIRD YEAR

Chemistry 131	5	Chemistry 132	5	Chemistry 133	5
'Electives	5	'Electives	5	'Electives	5
Group Options					
(a) General—		(a) General—		(a) General—	
'Electives	5	'Electives	5	'Electives	5
(b) Industrial—		(b) Industrial—		(b) Industrial—	
Chemistry 121 5		Chemistry 122 5		Chemistry 123 5	
(c) Physiological—		(c) Physiological—		(c) Physiological—	
Physiology 151 5		Physiology 152 5		Physiology 153.... 5	

FOURTH YEAR

Chemistry 181	5	Chemistry 182	5	Chemistry 183	5
'Electives	2	'Electives	2		
Group Options					
(a) General—		(a) General—		(a) General—	
Electives	8	Electives	8	Electives	8
(b) Industrial—		(b) Industrial—		(b) Industrial—	
Chem. Eng. 171 ... 5		Chem. Eng. 172 ... 5		Electives	8
Chem. Eng. 176 ... 3		Chem. Eng. 177 ... 3		Pol. Sci. 2	
(c) Physiological—		(c) Physiological—		(b) Physiological—	
Chemistry 181 5		Chemistry 182 5		Chemistry 183 3	
Chemistry 185 3		Chemistry 184 3		Electives	5
				Pol. Sci. 101 2	

D. GEOLOGY

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Mathematics 4	5	English 1	5	English 2 or Elective... 5	
Geology 1a and 1b.... 5		Geology 2	5	Mathematics 6	5
Chemistry 1 or 21.... 5		Chemistry 2 or 22..... 5		Chemistry 23	5
Mil. Sci. or Phys. Ed... 1½		Mil. Sci. or Phys. Ed... 1½		Mil. Sci. or Phys. Ed... 1½	

SECOND YEAR

Physics 1	5	Physics 2	5	Electives	5
Chemistry 111	5	Geology 21	5	Geology 120	3
General Engineering 1 .. 3		General Engineering 21 .. 3		Civil Engineering 4 ... 3	
Geology 101	3	Electives	3	Geology 122	2
Mil. Sci. or Phys. Ed... 1½		Mil. Sci. or Phys. Ed... 1½		Mil. Sci. or Phys. Ed... 1½	

THIRD YEAR

Geology 123	3	Geology 124	4	Metallurgy 102	5
Botany or Zoology..... 5		Botany or Zoology..... 5		Geology 125	4
Geology 140	3	Geology 118	3	Geology 132	5
Astronomy 1	5	Geology 131	5		

² Students expecting to elect the industrial group in junior year must take Chemistry 52 the spring quarter of the sophomore year.

³ In addition to the subjects specifically listed above, 10 credits in either French or German are required, to be completed before the end of the third year.

⁴ The History of Chemistry, Chem. 190 and 191 are suggested as electives in either the junior or senior year.

College of Science

FOURTH YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Mining 51	3	Geology 127	5	Geology 128	3
Geology 121	3	Thesis	2	Geology 117	3
Geology 126	3	Electives	8	Thesis	2
Thesis	2			Electives	6
Electives	5			Pol. Sci. 101	2

E. MATHEMATICS

FIRST YEAR

English 1	5	English 2 or Electives ..	5	History	5
Mathematics 4	5	Mathematics 5	5	Mathematics 6	5
*Physics 1	5	*Physics 2	5	Modern Foreign Lang.	5
Mil. Sci. or Phys. Ed.	1½	Mil. Sci. or Phys. Ed.	1½	Mil. Sci. or Phys. Ed.	1½

SECOND YEAR

History	5	Economics 1	5	Political Science 1	5
Mathematics 107	5	Mathematics 108	5	Mathematics 109	5
Modern Foreign Lang.	5	Chemistry 1	5	Chemistry 2	5
Mil. Sci. or Phys. Ed.	1½	Mil. Sci. or Phys. Ed.	1½	Mil. Sci. or Phys. Ed.	1½

THIRD YEAR

GROUP I—SECONDARY SCHOOL TEACHERS

Psychology 1	5	Philosophy or Logic	5	Astronomy 1	5
Biological Science	5	Biological Science	5	Mathematics	2 or 3
Mathematics	2 or 3	Mathematics	2 or 3	Education 101	5
Electives	3 or 2	Electives	3 or 2	Electives	3 or 2

GROUP II—COLLEGE AND UNIVERSITY TEACHERS

Psychology 1	5	Philosophy or Logic	5	Astronomy	5
Biological Science	5	Biological Science	5	Mathematics	2
Mathematics	2	Mathematics	2	Mathematics	2
Mathematics	3	Mathematics	3	Electives	5

GROUP III—STATISTICIANS AND ACTUARIES

Psychology 1	5	Philosophy or Logic	5	Astronomy 1	5
Biological Science	5	Biological Science	5	Mathematics 13	5
Business Ad. 62	5	Business Ad. 63	5	Electives	5

FOURTH YEAR

GROUP I—SECONDARY SCHOOL TEACHERS

Education 140	3	Education 119	3	Education	3
Education 145	5	Electives	10	Electives	3
Electives	7	Pol. Sci. 101	2	Education 160M	3

GROUP II—COLLEGE AND UNIVERSITY TEACHERS

Mathematics	5	Mathematics	5	Mathematics	5
Electives	10	Electives	10	Electives	8
				Pol. Sci. 101	2

GROUP III—STATISTICIANS AND ACTUARIES

Mathematics 151	3	Mathematics 152	3	Mathematics 153	3
Political Science	5	Business Ad. 147	5	Business Ad. 175	5
Electives	7	Electives	7	Electives	5
				Political Science 101	2

F. FOUR-YEAR CURRICULUM IN MILITARY SCIENCE

For students who desire to major in military science the following four-year curriculum has been provided. This will give a good general college education upon which any line of professional or technical study may be based and 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.

* Students in Group III take Bus. Ad. 11-12 in place of physics.

MILITARY SCIENCE

First Year	Credits	Second Year	Credits
Mil. Sci. 1-2-3, all units.....	5	Mil. Sci. 51-52-53 Inf.)	
Math. 1 (Algebra).....	5	Mil. Sci. 61-62-63 Arty.)	
Math. 2 (Solid Geometry).....	5	Mil. Sci. 71-72-73 A.S.).....	5
Math. 4 (Plane Trigonometry).....	5	Physics 1-2 of 97, 98.....	10
General Eng. 7 (Eng. Draw.).....	3	Chemistry 1-2, or 21-22.....	10
General Eng. 21 (Plane Surv.).....	3	French, German or Spanish.....	9 or 10
English 1-2.....	10	History 57-58-59.....	9
French, German or Spanish 1-2-3.....	15	English 40.....	5
	51		48 or 49

SUMMER QUARTER—BASIC R. O. T. C. CAMP

Third Year	Credits	Fourth Year	Credits
Military Science 104-105-106)		Military Science 154-155-156)	
Military Science 114-115-116)		Military Science 164-165-166)	
Military Science 124-125-126).....	9	Military Science 174-175-176).....	9
Philosophy 1, 2, 3 or 5.....	5	Military Science Thesis.....	5
††Soc., Pol. Sci. or Econ.....	10	*Approved Electives.....	32
*Approved Electives.....	21		
	45		46

SUMMER QUARTER (AFTER THIRD YEAR)—ADVANCED R. O. T. C. CAMP

Students taking this course will specialize in the military work of one of the three units established here, Infantry, Coast Artillery or Air Service, and receive their Reserve commissions in that branch of the service.

The military department, during the latter part of the second year and prior to the beginning of the third year, will advise the student as to his electives, all of which will be outside the military department. Each case will be handled separately depending on the student's future life. After approval by the professor of military science and tactics, and the dean of the College of Science, the curriculum for the individual student must be followed until graduation.

G. PHYSICS

First Year	Credits	Second Year	Credits
†Physics.....	15	Physics.....	15
Mathematics.....	15	Mathematics.....	15
English.....	10	Biol. Sci., Geol., or Astronomy.....	10
Psychology.....	5	†Restricted Elective.....	5
Mil. Sci. or Phys. Ed.....	5	Mil. Sci. or Phys. Ed.....	5
Third Year	Credits	Fourth Year	Credits
Physics.....	5	Physics.....	10
Chemistry.....	15	**Advisory Electives.....	15
**Advisory Electives.....	10	Free Electives.....	20
†Restricted Electives.....	10		
Free Electives.....	5		

III. REQUIRED CURRICULA IN GROUP MAJORS

A. CURRICULUM FOR PROSPECTIVE SCIENCE TEACHERS

The following course of study is provided for prospective teachers who desire a greater range of scientific knowledge, rather than the intensive training secured by following the curriculum of only one department. This outline permits a student to prepare for teaching in more sciences by limiting the number of credits necessary in the departments that he chooses. This curriculum refers particularly to the sciences of botany, chemistry, geology, mathematics, physics, and zoology, and selections may be made according to the regulations below.

†† See Pol. Sci. department for requirement of Pol. Sci. 101.

* All electives will be outside the military department

† Restricted electives include work in history, economics, language, philosophy, political science, and sociology.

†† If the student has had high school chemistry he is advised to take physics in his freshman year.

** Advisory electives must be approved by the department.

Upon the completion of this curriculum the five-year normal diploma is granted, provided 20 hours of education are included, which are selected by the School of Education. Students may enter the teachers' courses (160A, 160B, etc.) with a prerequisite of 20 hours in the sciences chosen.

<i>First Year</i>	<i>Credits</i>	<i>Second Year</i>	<i>Credits</i>
Science	20	Science	20
English	0 to 10	Education 101	5
Electives	15 to 25	History	10
Mil. Sci. or Phys. Ed.	5	Electives	10
		Mil. Sci. or Phys. Ed.	5
<i>Third Year</i>	<i>Credits</i>	<i>Fourth Year</i>	<i>Credits</i>
Science	20	Science	20
Education	8	Education	7
Philosophy and Psychology	10	††Econ., Pol. Sci., Sociology	10
Electives	7	Electives	8

Regulations Governing This Curriculum

(a) A student may select any three of the following sciences and must complete the amount of work in any particular science, as indicated.

Botany	20 credits	Mathematics	20 credits
Chemistry	20 credits	Physics	20 credits
Geology	20 credits	Zoology	20 credits

(b) Included in or in addition to the courses in (a) every student must take 5 credits in mathematics, 10 credits in physics, 10 credits in chemistry, and 10 credits in botany or zoology.

(c) If 20 credits of chemistry are taken, only 15 of geology are required.

(d) The history requirement of 10 hours must be U.S. history if this subject was not taken in the high school; otherwise, History 1 and 2, or any other history may be elected to which the student is eligible.

(e) Under the heading of economics, political science, or sociology, the 10 credits required may be secured in one department only, or 5 credits each in two departments.

B. 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 and the required credits in military science or physical education, and completed all required work 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 as soon as he completes the required work above specified with 9 additional credits in the College of Science and 36 credits in the School of Law; making a total of 190 credits for graduation. The fifth and sixth years of the combined course are devoted to completing the remainder of the required work for graduation from the School of Law.

C. 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 under Section A.), substituting courses in library science for the 20 credits in education. A portion of the fourth year and all of the fifth year are devoted to required subjects in library science. If this plan is carefully followed, a student should earn the degree of bachelor of science at the end

†† See Pol. Sci. department for requirement in Pol. Sci. 101.

of the fourth year, and the degree of bachelor of library science at the end of the fifth year. (See Library School section.)

D. A CURRICULUM FOR PRE-LIBRARY STUDENTS IN THE COLLEGE OF SCIENCE

FIRST YEAR			
<i>Modern Foreign Language</i> ¹	<i>Credits</i>	<i>Zoology</i>	<i>Credits</i>
*1, 2, 3 French or German.....	15	*1, 2 Elementary	10
<i>Astronomy</i>		<i>Liberal Arts</i>	
1 General.....	5	1 Intro. to Mod. Thought.....	5
<i>Psychology</i>		<i>Chemistry</i>	
*1 Introduction	5	*5-6 General	10
<i>P. S. and D.</i>			
16, 17, 18 Art Appreciation.....	3		
SECOND YEAR			
<i>Modern Foreign Language</i> ¹	<i>Credits</i>	<i>Zoology</i>	<i>Credits</i>
*4th quarter of lang. previously taken	5	*16 Evolution	2
Begin other lang. req. by Library School	10	17 Eugenics	2
<i>Pol. Sci., Econ., or Soc.</i>		<i>History</i>	
1 Introduction	5	1-2 Modern & Medieval.....	10
<i>English</i>		<i>Geology</i>	
*1, 2 Composition	10	1, 2 General	5
		<i>Music</i>	
		13 Appreciation	5
THIRD YEAR			
<i>Modern Foreign Language</i> ¹	<i>Credits</i>	<i>Physics</i>	<i>Credits</i>
*Complete Library School requirements	10	*89-90 Physics of the Home.....	10
<i>Botany</i>		<i>Political Science</i>	
*1, 2 General	10	*101 Federal and State Gov.....	2
<i>Liberal Arts</i>		<i>History</i>	
1 Intro. to Fine Arts.....	5	130 Europe, 1814-1870	5
		131 Europe, since 1870.....	5
		<i>English</i>	
		136, 137, 138 Main Tendencies in English Literature.....	9

For those who take the library curriculum in the senior year no academic major is required in the College of Science, as the technical training of the Library School constitutes this major. Subjects marked with the asterisk are required. The complete Library School curriculum constitutes the fourth year of study.

IV. PRESCRIBED CURRICULA IN VOCATIONAL SUBJECTS

A. PRE-MEDICAL CURRICULA

TWO AND FOUR-YEAR CURRICULA PREPARATORY TO MEDICINE

The University offers two curricula preparatory to the study of medicine. One of these is for two years, and will meet the requirements of medical schools which require only two years of college work for admission to their professional study. The second is for four years, and prepares students for those medical schools that require for admission the completion of a full four-year college course. The curricula will not reduce the amount of work to be done by the student in the medical school but they are designed to increase its efficiency.

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

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

¹ The Library School requires 20 hours each of two modern foreign languages, French and German preferred, in either high school or college.

College of Science

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Chemistry 1 or 21.....	5	Chemistry 2 or 22.....	5	Chemistry 23	5
Zool. 3 (Pre-medical)...	5	Zool. 4 (Pre-medical)...	5	Physiology 7	5
English 1	5	English 2	5	Psychology 1	5
Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%	

SECOND YEAR

Sci. French or German. 5	Chem. 128 (Organic)...	5	Chem. 129 (Organic)...	5
Physics 1	Physics 2	5	Physics 3	5
English 78	Electives	5	Ec. 1 or Pol. Sci 1....	5
Mil. Sci. or Phys. Ed... 1%	Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%	

THIRD YEAR

Anatomy 101	6	Anatomy 102	6	Anatomy 103	6
Anatomy 105	6	Anatomy 106	6	Anatomy 107	6
Bacteriology 101	5	Bacteriology 105	5	Bacteriology 106	5

FOURTH YEAR

Physiology 151	5	Physiology 152	5	Physiology 153	5
Chemistry 161	5	Chemistry 162	5	Anatomy 104	4
Bacteriology 104	5	Elective	9	Elective	6
Bacteriology 112	5			Pol. Sci. 101	2

B. FIVE-YEAR CURRICULUM FOR NURSES

Believing that a broader scientific education is desired by young women entering the nursing profession, the University offers a five-year course in nursing, including three years at the University and two years at a hospital selected by the University. This course leads to a degree of bachelor of science in nursing and a certificate of nursing.

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Home Economics 9.....	6	English 1	5	Chemistry 6	5
Nursing 1	5	Chemistry 5	5	English 2	5
Physics 89	5	Physics 90	5	Psychology 1	5
Physical Ed. 1%		Physical Ed. 1%		Physical Ed. 1%	
	16+1%		15+1%		15+1%

SECOND YEAR

Home Econ. 105	5	Home Econ. 106.....	5	Anatomy 101-102	6
Physiology 53	5	Physiology 54	5	Physiology 55	5
Economics 1	5	Sociology 1	5	Nursing 8	8
Physical Ed. 1%		Physical Ed. 1%		Electives	2
	15+1%		15+1%	Physical Ed. 1%	
					16+1%

THIRD YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Anatomy 103	8	Psychology 128	3	Pol. Sci. 101.....	2
Bacteriology 101	5	Bacteriology 105.....	5	Education 101	5
English 40	5	Electives	8	Bacteriology 103	5
Electives	2			Electives	3
	15		16		15

CURRICULUM TO BE FOLLOWED IN HOSPITAL BY FIVE-YEAR NURSING STUDENTS REVISID
ACCORDING TO THE LATEST STANDARD CURRICULUM FOR SCHOOLS OF NURSING

	Credits		Credits
Hygiene and Sanitation.....	1	Modern Social and Health Movements..	2 1/2
Material Medica	3 1/2	Obstetrical Nursing	2 1/2
Elementary Nursing Procedure.....	4	Mental Nursing	2 3
Advanced Nursing Procedure.....	2 1/2	Emergency Nursing	1 2
Elements of Pathology.....	1 1/2	Diseases of Eye, Ear, Nose, and Throat	1 2
Medical Nursing (including diseases of skin)	4 1/2	Pediatric Nursing	2 3
Surgical Nursing	2 3	Nursing Practice	35

Curricula

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CURRICULUM FOR GRADUATE NURSES

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Economics 1	5	Chemistry 5	5	Chemistry 6	5
Psychology 1	5	English 1	5	English 2	5
Elective	5	Elective	5	Elective	5
Physical Ed.	1%	Physical Ed.	1%	Physical Ed.	1%
	16%		16%		16%

Preferred electives—Sociology 1, 63, 62; Zoology 16, 17.

SECOND YEAR

Physiology 53	5	Physiology 54	5	Physiology 55	5
Home Economics 105...	5	Home Economics 108...	5	Education 101	5
Elective	5	Elective	5	Elective	5
Physical Ed.	1%	Physical Ed.	1%	Physical Ed.	1%
	16%		16%		16%

Preferred electives—Psychology 101, 114, 131; English 40; Sociology 131.

THIRD YEAR

Bacteriology 101	5	Bacteriology 102 102	5	Bacteriology 103	5
Nursing 102	5	Elective	5	Elective	5
Elective	5	Nursing 103	5	Pol. Sci. 101	2
	15		15		15

Preferred electives—Sociology 155, 156, 157, 171, 173; Nursing 110.

C. PRESCRIBED CURRICULA IN HOME ECONOMICS

Many fields of activity other than teaching are open to women trained in home economics. In each line of vocational work offered, there is opportunity to supplement the technical work of the laboratory with practical experience. In food preparation, the students do practical work in the University Commons, commercial establishments, hospitals and clubs. In the clothing courses, students learn first to sew for themselves and then for customers.

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

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

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

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

Group III, Teachers' Curriculum, combines home economics and liberal arts subjects, chemistry, physics, bacteriology, fine arts, physiology and economics. Courses are arranged to meet the particular needs of home economics students. Practice teaching extending through one quarter in the Seattle schools is required. On application to the State Board of Vocational Education, graduates of this course will receive a Smith-Hughes certificate. A teaching major in home economics consists of: H.E. 4, 5, 116, 8, 25, 107, 108, 111, 112, 113, 144, 145, 148 with their prerequisites.

Group IV, Institutional Management, combines the fundamental sciences, technical and business courses with practice work. Young women training along this line with initiative and ability find positions that offer increasingly attractive returns.

Group V, Textiles, Clothing and Fine Arts, 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 major in Business Administration may be included.

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

"Preferred elective" refers to required courses from which the student may be exempted in certain cases with the approval of the head of the department.

GROUP I—GENERAL CURRICULUM

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

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

FIRST YEAR

<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	Physiology 7	5
Zool. 1 or Bot. 1	5	Chemistry 5	5	Chemistry 6	5
Physical Ed.	1½	Zool. 2 or Bot. 2.....	5	Lang., Lit. or Hist.....	5
		Physical Ed.	1½	Physical Ed.	1½

Preferred electives—H.E. 4, 7, 8, 25, 43; Nursing 5.

SECOND YEAR

Lang., Lit. or Hist.....	10	Lang., Lit. or Hist.....	10	Lang., Lit. or Hist.....	5
Physical Ed.	1	Physical Ed.	1	Psychology 1	5
				Economics 1	5
				Physical Ed.	1

Preferred electives—H.E. 5; P.S.D. 9; Bact. 101.

THIRD YEAR

Philosophy 2	5	Sociology 1	5	Pol. Sci. 101	2
Preferred electives—H.E. 105-106, 111, 112, 113, 116; Physics 89-90					

FOURTH YEAR

Preferred electives—H.E. 144-145, 148, 143; Arch. 1-2.

GROUP II—FOOD AND NUTRITION

FIRST YEAR

<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
Physiology 53	5	Chemistry 5	5	Physiology 55	5
Physical Ed.	1½	Physiology 54	5	Lang., Lit., or Hist.....	5
		Physical Ed.	1½	Physical Ed.	1½

Preferred electives—H.E. 4, 7, 8, 25; P.S.D. 9.

SECOND YEAR

Lang., Lit., or Hist....	5	Lang., Lit., or Hist....	5	Lang., Lit., or Hist....	5
Bacteriology 101	5	Bacteriology 102	5	Psychology 1	5
Chemistry 135	5	Chemistry 136	5	Chemistry 144	5
Physical Ed.	1	Physical Ed.	1	Physical Ed.	1

Preferred electives—H.E. 5; Soc. 56, 57, 58; Psych. 118, 121.

THIRD YEAR

Pol. Sci. 101	2	Economics 1	5	Chemistry 104	4
				Sociology 1	5

Preferred electives—H.E. 107-108, 111, 116; Nursing 5; Physics 89-90

Curricula

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FOURTH YEAR

Preferred electives—H.E. 183, 148, 190, 191 and related sciences.

GROUP III—SMITH-HUGHES TEACHER TRAINING

FIRST YEAR

<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 6	5	Chemistry 5	5	Chemistry 6	5
Physical Ed.	1½	Physical Ed.	1½	Physical Ed.	1½

Preferred electives—H.E. 4, 7, 8, 25; P.S.D. 9.

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

SECOND YEAR

Lang., Lit., or Hist....	5	Lang., Lit., or Hist....	5	Lang., Lit., or Hist....	5
Chemistry 135	5	Chemistry 136	5	Psychology 1	5
Physical Ed.	1	Physical Ed.	1	Physical Ed.	1
Preferred electives—					
Home Economics 6....	5			Bacteriology 101	5

THIRD YEAR

Education 101	5	Education 140	5	Economics 1	5
				Education 119	3
				Sociology 1	5
Preferred electives—					
Physics 89	5	Physics 90	5	Home Econ. 107-108....	10
Home Economics 112 ..	5	Home Economics 113....	5	Home Economics 148....	3
		Home Economics 116....	5	Home Economics 111 ..	3

FOURTH YEAR

Education 160I	3	Education 160J	3	Education 145	5
				Pol. Sci. 101	2
Preferred electives—					
Home Economics 148....	2	Home Economics 144....	2	Home Economics 145....	2
Architecture 1, 2....	4				

GROUP IV—INSTITUTIONAL MANAGEMENT

To be taken by those 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.

FIRST YEAR

<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
Physiology 6	5	Chemistry 5	5	Lang., Lit. or Hist....	5
Physical Ed.	1½	Physical Ed.	1½	Physical Ed.	1½

Preferred electives—H.E. 4, 7, 25; P.S.D. 9; B.A. 54 or B.A. 106.

SECOND YEAR

Lang., Lit., or Hist....	5	Lang., Lit., or Hist....	5	Lang., Lit., or Hist....	5
Physical Ed.	1	Chemistry 136	5	Psychology 1	5
Chemistry 135	5	Physical Ed.	1	Physical Ed.	1

Preferred electives—H.E. 5; Bact. 101.

THIRD YEAR

Pol. Sci. 101.....	2	Economics 1	5	Sociology 1	5
Preferred electives—H.E. 107-108, 111, 116, 124, 143; Chem. 104, 144; Physics 89-90.					

FOURTH YEAR

Preferred electives—H.E.121, 122, 123, 125, 144, 145, 148, 183, 190, 191; B.A.62; Arch.1-2

GROUP V—TEXTILES, CLOTHING AND FINE ARTS

SUMMARY

	Credits		Credits
College requirements	65	Free electives	34
Fine Arts	31	Physical Education	10
Home Economics	50		190

A major in business administration may be elected with this curriculum. This is advised for those who wish to enter commercial fields in costume design. For this purpose students should elect the following courses: Business Administration 1, 62, 106, 136, 146, 147, 198. The normal diploma may be secured by electing the subjects required: Ed. 101, 140, 119, 145, 160I.

SUGGESTED SCHEDULE

College Requirements	Credits	Fine Arts	Credits	Home Economics	Credits
English	10	P.S. & D. 9-10-11.....	9	H.E. 7, Survey.....	2
Lang. Lit., or Hist.....	20	P.S. & D. 169-170.....	4	H.E. 8, Ele. Clothing..	3
Chem. 5, 6 or Phys.....		Arch. 1-2	4	H.E. 25, Textiles.....	5
89, 90	10	P.S. & D. Electives.....	14	H.E. 127, Non-Textiles.	3
Physiology 7	5			H.E. 101-102	4
Economics 1	5			H.E. 112-113 (Clothing).	10
Sociology 1	5			H.E. 130-131 Commercial	
Psychology 1	5			Costume Construction	6
Philosophy 1 or 2	5			H.E. 133 Costume Design	5
				H.E. 135 Millinery....	3
				H.E. 143, Home Furnish.	3
				H.E. 145 House Manag't.	2
				H.E. 148 Practice Cottage	2
				H.E. 188 Adv. Textiles	2
Total	65	Total	31	Total	50
Free Electives	34			Physical Education	10

D. PHYSICAL EDUCATION FOR WOMEN

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
English 1	5	Lang., Lit., Hist., or		English 2	5
Lang., Lit., Hist., or		Elective	5	Lang., Lit., Hist., or	
Elective	5	Chemistry 5	5	Elective	5
Zoology 1	5	Sociology 1	5	Chemistry 6	5
Physical Ed.	1%	Physical Ed.	1%	Physical Ed.	1%

Preferred electives—Physical Educ. 100....2 credits.

SECOND YEAR

Physiology 53	5	Physiology 54	5	Physiology 55	5
Lang., Lit., Hist., or		Psychology 1	5	Education 101	5
Elective	5	Anatomy 102	3	Anatomy 103	3
Anatomy 101	3	Physical Ed.	1%	Physical Ed.	1%
Physical Ed.	1%				
Preferred Electives—					
Physical Ed. 111.....	3	Physical Ed. 112.....	3	Physical Ed. 113.....	3

THIRD YEAR

Physics 89	5	Physics 90	5	Education 140	5
Preferred Electives—					
Phys. Ed. 104 (Dancing)	2	Phys. Ed. 105 (Dancing)	2	Phys. Ed. 106 (Dancing)	2
Phys. Ed. 101 (Gymna.)	3	Phys. Ed. 102 (Gymnas.)	3	Phys. Ed. 103 (Gymnas.)	3
Phys. Ed. 131 (Correc.)	3	Phys. Ed. 132 (Correc.)	3	Phys. Ed. 133 (Correc.)	3
Phys. Ed. 167 (Athlec.)	3			Phys. Ed. 122 (Kin'gcy)	3
				Phys. Ed. 160 (Athlet.)	3

FOURTH YEAR

Education 145	3	Education 145	2	Electives	5
Education 110	3	Electives	7	Pol. Sci. 101	2
Education 160R	2				
Preferred Electives—		Phys. Ed. 155 (Dancing)	2	Phys. Ed. 163 (Anthro.)	2
Phys. Ed. 154 (Dancing)	2	Phys. Ed. 152 (Ad. in		Phys. Ed. 156 (Dancing)	2
Phys. Ed. 170 (Athlet.)	2	Phys. Ed.)	2	Phys. Ed. 163 (Meth.)	2
		Phys. Ed. 171 (Athlet.)	2	Hyg. Inst.)	2
				Phys. Ed. 172 (Athlet.)	2

Physical Education, 69 credits

Electives, 32 credits.

Required

- ① If chemistry and physics have been taken in high school, Chemistry 5 and 6 and Physics 89 and 90 may be eliminated.

If neither chemistry nor physics has been taken in high school either chemistry or physics must be taken in the University, in which event the student may substitute for one of these sciences ten hours in approved courses in the College of Science.

Of the preferred electives in physical education, the minimum is 58 and the maximum 64 credits.

A student may also use physical education as a major, following the prescriptions outlined under group 1 (curricula with major in one department).

V. CURRICULUM LEADING TO CERTIFICATE IN PUBLIC HEALTH NURSING

The broadening of the field of nursing has created a demand on the part of nurses for definite study along lines which experience has shown to be closely interwoven with the problems of the family and the community. A nurse must combine with the technical knowledge she already possesses an understanding of the fundamental principles of economics and the social sciences.

The demand for properly trained and qualified public health nurses is constantly increasing as new fields open through recognition by the public of the economic value of the work. Beginning each quarter of the year the University offers a nine-months' course in public health nursing, which is open to graduate nurses who are deemed qualified for such work, and who wish to broaden their training to take up positions in this specialized line.

The curriculum: — 45 hrs. required

	Credits		Credits
Nursing 1-	5	Psychology 1	5
Nursing 102	5	Psychology 181-182	6
Nursing 103	5	Bacteriology 103	5
Sociology 171	5	Introduction of Study of Education	5
Home Economics 105-106	10	Field Work	18
English 40	5		
Electives			

SERVICE COURSE FOR NURSES

To meet the needs for certain courses in the basic sciences, the University is offering a one-quarter course to students who have entered the hospital schools of nursing.

Requirements for entrance: 1. Recommendation of the hospital superintendent. 2. High school graduation.

The curriculum:

	Credits		Credits
Chemistry 7	5	Anatomy 25	2
Home Economics 9	5	Physiology 20	2

COURSES OF STUDY

For description of courses see Departments of Instruction section.

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.

Two courses at 300 level — 18 hrs.
and Two yrs. at 7th level.
nursing 102, 103 — 6 hrs., Engl 40 — 3 hrs.
105 — 3
Psych 1 — 3
171 — 3
18 hrs.

SCHOOL OF EDUCATION

THE FACULTY 1926--1927

Henry Suzzallo, Ph.D. (Columbia), LL.D. (California), LL.D. (British Columbia). *President*
 David Thomson, B.A. (Toronto).....*Dean of Faculties*
 Frederick Elmer Bolton, Ph.D. (Clark).....*Professor of Education; Dean of the School of Education*
 Fred Carleton Ayer, Ph.D. (Chicago).....*Professor of Education*
 Edgar Dunnlington Randolph, Ph.D. (Columbia).....*Professor of Education*
 Alexander Crippen Roberts, Ph.D. (Washington).....*Professor of Education; Director of the Extension Service*
 Curtis Talmadge Williams, Ph.D. (Clark).....*Assistant Professor of Education*
 August Dvorak, Ph.D. (Minnesota).....*Assistant Professor of Education*
 Cecil L. Hughes, A.M. (Washington).....*Lecturer on Education*
 Edgar Marion Draper, A.M. (Washington).....*Associate in Education*
 Charles H. Watson, A.M. (Kansas).....*Associate in Education*
 Walter Redford, A.M. (Washington).....*Fellow in Education*
 Yale T. Tsang.....*Fellow in Education*
 Wallace Theodore Wait, A.B. (Washington).....*Education Library Assistant*

Henry Landes, A.M. (Harvard).....*Professor of Geology; Dean of the College of Science*
 Edmond Stephen Meany, M.L. (Wisconsin).....*Professor of History*
 Caroline Haven Ober.....*Professor of Spanish*
 Trevor Kincaid, A.M. (Washington).....*Professor of Zoology*
 Frederick Morgan Padelford, Ph.D. (Yale).....*Professor of English; Dean of the Graduate School*
 Frederick Arthur Osborn, Ph.D. (Michigan).....*Professor of Physics*
 Pierre Joseph Frein, Ph.D. (Johns Hopkins).....*Professor of Romance Languages*
 Theodore Christian Frye, Ph.D. (Chicago).....*Professor of Botany*
 Robert Edouard Moritz, Ph.D. (Strassburg).....*Professor of Mathematics*
 Irving Mackey Glen, A.M. (Oregon).....*Professor of Music; Dean of the College of Fine Arts*
 Edwin John Vickner, Ph.D. (Minnesota).....*Professor of Scandinavian Languages*
 Effie Isabel Raitt, A.M. (Columbia).....*Professor of Home Economics*
 Stevenson Smith, Ph.D. (Pennsylvania).....*Professor of Psychology*
 Howard Thompson Lewis, A.M. (Wisconsin).....*Professor of Economics; Dean of the College of Business Administration*
 Howard B. Woolston, Ph.D. (Columbia).....*Professor of Sociology*
 Edward McMahon, A.M. (Wisconsin).....*Associate Professor of American History*
 Frances Dickey, A.M. (Columbia).....*Associate Professor of Music*
 Edwin James Saunders, A.M. (Harvard).....*Assistant Professor of Geology*
 Ernest Otto Eckelman, Ph.D. (Heidelberg)....*Assistant Professor of Germanic Languages*
 Mary Emma Gross, A.M. (Columbia)..*Associate Professor of Physical Education for Women*

GENERAL STATEMENT

The School of Education bases its work on two years of college or normal school. Only one course in education, Introduction to Education, is allowed in the sophomore year. The degrees awarded are bachelor of arts in education or bachelor of science in education according to the character of the academic work chosen.

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

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

The school is especially fitted to provide teachers of the following types: (1) high school teachers, (2) high school principals, (3) 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 on beginning to teach, and because of the requirements for state certificates, elementary college courses should be taken in not less than four subjects taught in the high schools.

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

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

Special Teachers' Courses.—Many academic departments have teachers' courses covering the problems of teaching their subjects in high schools. Work in special methods relating to particular subjects is given by instructors dealing most directly with the subject matter. Foundation principles of general methods based on 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. Thus students have an opportunity to gain valuable experience under exceptionally favorable conditions.

Industrial Arts.—While no separate department of industrial arts is maintained during the regular year, special attention is devoted to this work during the summer quarter. A good curriculum may be obtained during the regular academic year by selecting 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.

Athletics and Playground Activities.—At the present time there is a strong demand for teachers, both men and women, who can direct various forms of athletics and playground activities in 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 assist in the general musical activities of the school and community. Every teacher who has any musical ability should take some training in music and participate in some of the University musical organizations.

Debating, Dramatics, Public Speaking.—Every teacher will be called on 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 prepares to assist in these lines increases his usefulness. Every student should participate in some of these lines throughout his college course and should take definite courses in these subjects.

Journalism in High Schools.—Newspaper writing is being introduced in some of the best high schools as 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 on 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, economics, besides 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 part of their preparation.

The Study of Education and Citizenship.—Courses in education are valuable both for those who expect to teach and for those who expect to become useful citizens of any community. Many courses in education, therefore, are rightly coming to be pursued by students not expecting to become teachers.

Extension Service.—The department of education is pleased to render

service to the cause of education in many ways besides through regular courses of instruction. Members frequently give addresses at teachers' institutes, parent-teacher associations, educational associations, community centers, school dedications, and school commencements. They also are pleased to conduct educational surveys as far as time will permit.

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

Bureau of Appointments.—The University maintains an appointment bureau to assist students in obtaining desirable positions. The services are entirely free to students and graduates of the University and to employers.

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

ADMISSION

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

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

Admission of Normal School Graduates to Advanced Standing.—Advanced credit for work taken in approved normal schools, by students previously graduated from an accredited four-year secondary school, will be allowed at the rate of 45 hours of lump credit for each full year's work completed in the normal school, the minimum amount accepted as a year's work being 36 weeks of attendance with at least 45 quarter credits, not more than 19 of which shall have been earned in one quarter.

For graduation with the degree of bachelor of arts in education or bachelor of science in education a normal school graduate with such advanced credit must earn in the University a sufficient number of credits to bring the total up to 180 credits plus ten credits of required courses in physical education or military science, and including all specific requirements for the degree not fully covered by previous work. Claims for exemption from specific requirements, based on work in normal school, are passed on by the registrar and the dean of the college concerned.

A minimum of three full quarters in residence, with completion of 36 hours of work in the senior year, is required for any degree granted by the University.

It should be noted that a student whose work in high school and normal school has not included a sufficient number of special requirements of the School of Education, may find it necessary to offer more than the usual 190 credits for the degree of bachelor of arts in education or the degree of bachelor of science in education.

GRADUATION

For graduation from the School of Education with the degree of bachelor of arts in education or bachelor of science in education there shall be completed 90 hours of credit beyond requirements for entrance to the school, at least 48 of which shall be in upper division subjects. In the

total of 180 hours of academic credit required for graduation from the School of Education the following must be included:

	<i>Credits</i>
Academic major	35
Academic minor	20
Education, including 2 hours special teachers' course.....	25

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

	<i>Credits</i>
101. Introduction to Study of Education.....	5
119. Secondary Education	3
140. Psychology of Teaching Methods.....	5
145. Practice Teaching	5
150. Educational Measurements	3
160. Teachers' Course in Special Subject.....	2
Educational Electives	2
	<hr/> 25

An academic major consists of 35 credits in some subject other than education.

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

The academic major and minor may be selected from any subjects now recognized in the College of Liberal Arts, Science, Fine Arts, or Business Administration, or such others as may be approved by the faculty of the School of Education. Students may minor (but not major) in journalism.

Part of the preparation in the academic major and minor should be completed before entrance to the School of Education.

No courses in education may be taken before the junior year, except that sophomores who have earned 65 quarter hours of credit may enroll in course 101, Introduction to Education.

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

	<i>Credits</i>
119. Secondary Education	3
150. Educational Measurements	3
152. Social Surveys of Education.....	2
160. Teachers' Course in Special Subject.....	2
Electives in Education.....	5
	<hr/> 15

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

	<i>Credits</i>
101. Introduction to Study of Education.....	5
119. Secondary Education	3
140. Psychology of Teaching Methods.....	5
150. Educational Measurements	3
152. Social Surveys of Education.....	2
160. Teachers' Course in Special Subject.....	2
Electives in Education.....	5
	<hr/> 25

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

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

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

REQUIREMENTS FOR NORMAL AND LIFE DIPLOMAS

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

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

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

	<i>Credits</i>
101. Introduction to Study of Education.....	5
119. Secondary Education	3
140. Psychology of Teaching Methods.....	5
145. Practice Teaching	5
160. Teachers' Course in Special Subject.....	2
	<hr/> 20

Graduates from the University of Washington with no credits in education who desire the five-year normal diploma must complete the following courses in education:

	<i>Credits</i>
119. Secondary Education	3
140. Psychology of Teaching Methods.....	5
150. Educational Measurements	3
152. Social Surveys of Education.....	2
145. Practice Teaching	5
160. Teachers' Course in Special Subject.....	2
	<hr/> 20

Graduates from other colleges who desire the ^{applied} five-year normal diploma are required to be in residence one academic year, earn a total of 45 credits, and to complete the following courses in education: Any exemption or substitution must be approved by the dean of the School of Education.

	<i>Credits</i>
119. Secondary Education	3
140. Psychology of Teaching Methods.....	5
145. Practice Teaching	5
150. Educational Measurements	3
152. Social Surveys of Education.....	2
160. Teachers' Course in Special Subject.....	2
	<hr/> 20

As a part of the total 45 credits they also must complete 10 credits in some teaching subject approved by the head of the department in which the academic work is chosen.

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

Graduates of the two-year course of state normal schools who subsequently graduate from this University and who become candidates for the University five-year normal diploma must earn in this University at least 15 credits in education as follows:

	<i>Credits</i>
119. Secondary Education	3
150. Educational Measurements	3
152. Social Surveys of Education	2
160. Teachers' Course in Special Subject	2
Electives in Education	5
	<hr/> 15

Normal school graduates must qualify for the University normal diploma or life diploma to be eligible to teach in high schools. The diplomas from the normal schools qualify the holders for elementary schools only.

Persons who have received the master's or doctor's degrees from this University are eligible to the University five-year normal diploma provided they have fulfilled the specific normal diploma requirements.

The University life diploma is granted to candidates who fulfill the requirements for the University five-year normal diploma and who have completed:

(a) At least one quarter of residence study subsequent to receiving the five-year diploma.

(b) A minimum of 35 quarter hours in education, which may include a maximum of 5 hours in teachers' courses in special subjects.

(c) A minimum of 5 additional quarter hours in an academic subject which will normally be the academic major or minor.

(d) Who also furnish satisfactory evidence of having taught successfully for at least twenty-four months.

The life diploma is not granted until candidates have taught at least one school year subsequent to receiving the normal diploma even though they have had twenty-four months of teaching experience.

No person is eligible to receive the degree, the normal diploma or the life diploma who has not been in residence at this University at least three quarters.

Use of education as the only recommended teaching subject (or major subject) is (for normal diploma) limited to cases of men and women in administrative positions whose undergraduate work shows a fair degree of preparation in two or more high school subjects. In all other cases, each candidate for the five-year normal diploma or life diploma must be recommended by at least one department besides education. Candidates for the life diploma should either take five extra hours in education before graduation or five hours in extension in order to complete the remaining requirements in one quarter of residence.

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

For High School Teachers

Regular Students University of Washington	<i>*Credits</i>	Normal School Graduates	<i>*Credits</i>
101. Introduction to Study of Education	5	119. Secondary Education	3
140. Psychology of Teaching Method	5	150. Educational Measurements	3
119. Secondary Education	3	152. Social Surveys in Education	2
145. Practice Teaching	5	160. Teachers' Course in Special Subject	2
150. Educational Measurements	3	Elective in Education	5
160. Teachers' Course in Special Subject	2		<hr/> 15
Electives in Education	2		

25

* Quarter hours.

For Five-Year Normal Diploma

* Quarter hours.

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

In addition to the requirements for the bachelor's degree in education elect 60 hours from the following and such other approved graduate courses as may be offered in the summer quarter.

No.	Course	Credit	No.	Course	Credit
151.	Educational Sociology	3	186, 187, 188.	El. School Curriculum	6
152.	Social Surveys of School Studies and Activities	2	191, 192, 193.	Educ. Administration.	9
154.	Junior High School	2	195.	School Supervision	5
155.	High School Organization	2	196-197-198.	Intell. and its Meas....	6
157.	Extra-Curricular Activities	2	201-202-203.	Prob. in Mod. Methods	6
159.	The High School Principal.....	2	205.	Org. and Adm. of Supervised Teaching.....	3
161.	History of Education	5	206.	Educational Statistics	3
163.	History of American Education.	5	210.	Methods of Educ. Research....	1
164.	The History of Secondary Ed. .	3	212-213.	Comparative Education.....	4
165.	Problem Children	5	215.	Junior College	3
170.	Educational Psychology	5	232-233.	Advanced Educ. Psych.....	4
172.	Psychology of El. School Sub. .	3	235.	Surv. of Recent Educ. Lit....	2
173.	Psychology of High School Sub..	3	261-262-263.	Seminar in Educ. Soc....	6
174.	Psych. Prob. of Vocational Ed... 3		271-272-273.	Sem. in Educ. Surv....	6
176.	Educational Guidance	5	275-276-277.	Sem. in Secondary Educ. .	6
179.	The Health Ed. Movement.....	3	281.	Sem in Character Educ.....	2
181.	Ed. Prob. of Adolescence.....	5	285-286-287.	Sem in Educ. Meas.....	6

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

An academic major consists of 35 credits in some subject other than education.

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

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

BACTERIOLOGY

Academic Major: Including courses 101, 102, 103, 104, 105, 106; total 36 credits.

Academic Minor: Courses 101, 102, 103, and electives; total 20 credits.

BOTANY

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

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

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

CHEMISTRY

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

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

For the minor, students should have had at least high school physics;

for the major they should have had a year of college physics.† Grades must average at least C to secure a recommendation for teaching chemistry.

CIVICS

Academic Major: Political Science 1, Economics 1, Sociology 1; 15 elective hours in political science and 5 elective hours in economics or sociology. Minimum 35 credits.

Academic Minor: Political Science 1 and either Economics 1 or Sociology 1; 10 additional elective hours in political science. Minimum 20 credits.

CLASSICAL LANGUAGES AND LITERATURE

Academic Major in Latin: Greek 1 and 2, and 25 credits from Latin 21, 22, 23, 50, 60, 70, 107, 108, 109.

Academic Minor in Latin: Twenty credits from Latin 21, 22, 23, 50, 60, 70, 107.

Academic Major in Greek: Ten credits of Latin and 25 from Greek 1, 2, 3, 5, 6, 101, 102, 103.

Academic Minor in Greek: Twenty credits from Greek 1, 2, 3, 5, 6.

DRAMATIC ART

Academic Major: Courses 5, 61, 62, 101-102, 127, 151, 153; total 35 credits.

Academic Minor: Courses 5, 61, 101-102; total 20 credits.

ENGLISH

Academic Major: Total of 35 credits, exclusive of freshman composition, at least half of which must be in upper division courses; senior examination.

Academic Minor: 20 credits exclusive of freshman composition, nine of which must be in upper division courses.

For either a major or a minor it is desirable to divide the time between the extensive courses which give broad surveys and the intensive courses which deal critically with limited periods or movements.

ECONOMICS, BUSINESS ADMINISTRATION AND COMMERCIAL TEACHING

1. Students entering the School of Education from other colleges than business administration shall be required to take B.A. 62, 63 and 64, 15 credits (B.A. 1 and 2 are prerequisites for B.A. 62, 63, 64 and 103); B.A. 54, 55, and 56, 9 credits; B.A. 81 and 82, 10 credits; and B.A. 103; these courses to constitute a major in commercial teaching. This is on a basis of thirty-five hours minimum required for the major, minor and education minimums. Students from other colleges have already had two years of general training and hence do not need the same amount of free elective in the major field.

2. Students entering the School of Education from the College of Business Administration majoring in commercial teaching shall be required to elect 20 hours of upper division credit in addition to the requirements of the first two years of the College of Business Administration.

3. Students entering the School of Education from the College of Business Administration majoring in economics and business administration shall elect 20 hours of upper division credit (including B.A. 160) in the College of Business Administration in addition to the requirements of the College during the freshman and sophomore years. The remaining 15 hours shall include B.A. 108 and B.A. 106.

4. Students entering the School of Education from other colleges and proposing to major in economics and business administration shall elect their social science requirement of ten hours in B.A. 1 and 2. They shall also be required to elect 35 hours toward their major including the following courses: B.A. 103, 108, 61, 160 and 15 hours upper division electives.

5. A minor in either of the above groups—Commercial teaching or economics and business administration—shall consist of 20 hours specifically approved by the head of the department of secretarial training in the College of Business Administration.

FINE ARTS

(See Public School Art and Music.)

GEOLOGY

Academic Major: Courses under either a or b, as follows:

- a. Courses 1a, 1b, 2, 21, 107, 120, 123, 124, 126, 131; minimum, 35 credits.
- b. Courses 1a, 1b or 12, 2, 10, 11, 107, 111, 112, 113, 116, 117, or 118; minimum, 35 credits.

Academic Minor: Courses under either a or b, as follows:

- a. Courses 1a, 1b, 2, 21, 112; minimum, 20 credits.
- b. Courses 1a, 1b or 12, 10, 11, 107, 112; minimum, 20 credits.

GERMANIC LANGUAGES AND LITERATURE

Academic Major: Minimum 35 credits, in addition to Education 160G.

Academic Minor: Minimum 20 credits.

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

HISTORY

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

Academic Minor: Minimum 20 credits, including 1-2, or 5-6, or 57-58-59. Electives on advice of the head of the department.

HOME ECONOMICS

Academic Major (for all branches of home economics): Courses 4, 5, 7, 8, 25, 107-108, 112-113, 116, 143, 144-145, 148; total 56 credits.

Academic Major in Principles of Nutrition: Courses 5, 7, 43, 107-108, 116, 145, 148, 190, 191; total 35 credits.

Academic Minor in Principles of Nutrition: Courses 5, 107-108, 116, 145; minimum 20 credits.

Academic Major in Textiles and Clothing: In addition to the minor 130-131, 133, 135, 148; total 35 credits.

Academic Minor in Textiles and Clothing: Courses 7, 25, 112-113, 143, minimum 20 credits.

JOURNALISM

Academic Minor: Courses 51, 101, 120, 150; total 20 credits.

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

MATHEMATICS

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

Academic Minor: Minimum 20 credits, including courses 5, 6.

MUSIC: (PUBLIC SCHOOL)

Academic Major: Courses 6, 9, 13, 16, 51, 53, 101, 113-114; total 35 credits.

Academic Minor: Courses 9, 13, 16, 56; total 20 credits.

PHILOSOPHY

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

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

PHYSICAL EDUCATION FOR MEN

Academic Major in Athletic Coaching: The following curriculum is especially arranged for men who plan to prepare for coaching athletics and directing physical education in the public schools. Their first few years of service will be in the smaller high schools where athletic coaching must be combined with teaching academic subjects.

1. Students are advised to complete, in addition to the physical education major, (a) a second teaching major or (b) two teaching minors.

2. With the consent of the director of the department of physical education, courses in anatomy, physiology, and anthropometry may be counted in a physical education major.

3. Students intending to major in physical education in the School of Education should complete in the freshman year 10 hours in English 1-2, 10 hours in Zoology 1-2, (or 3-4) and 5 hours in Physical Education 1-2-3 which may be counted as scholastic credit for men who complete 10 hours in military science (or approved substitute); and in the sophomore year, 10 hours in Zoology 127, 128.

4. The academic teaching major or minors should be begun in the freshman and sophomore years.

5. Education 101 should be taken in the last quarter of the sophomore year or the first quarter of the junior year.

Required Courses in Athletic Coaching: 1-2-3, Calisthenics and Gymnastics, 5 credits; 101-102-103, Gymnastic Terminology, Principles and Technique of Teaching, 6 credits; 110, First Aid, 2 credits; 114, Physical Diagnosis, 3 credits; 113, Playground Supervision, 2 credits; 115, Organization and Administration, 2 credits; 131-132-133, Theory and Practice of Corrective Gymnastics, 9 credits; specific courses required, 29 credits.

Suggested Electives: 120, Theoretical Football, 2 credits; 121, Theoretical Basketball, 2 credits; 122, Theoretical Track Athletics, 2 credits; 123, Theoretical Baseball, 2 credits; 124, Theoretical Boxing and Wrestling, 2 credits; total electives, 6 credits; total 35 credits.

Academic Minor in Athletic Coaching: Minimum 20 credits including courses 101, 102, 103, 115.

PHYSICAL EDUCATION FOR WOMEN

Academic Major: Total of thirty-five credits to include Physical Education 101-102-103, 104-105-106, 111-112-113, 154-155-156, 170-171-172. (Courses necessary for recommendation from the department for teaching physical education in the larger high school—total of forty-nine credits including Physical Education 101-102-103, 104-105-106, 111-112-113, 131-132-133, 152, 154-155-156, 170-171-172, 174, 175.) Practice Teaching, Education 145, additional in all cases except by exemption by the dean of the School of Education and the head of the department of physical education. Physiology 53-54-55, and Anatomy 101-102-103, are prerequisites for certain foregoing courses. The combination of anatomy and physiology may be used as a minor.

Academic Minor: Physical Education 111-112-113, 154-155-156, 170-171-172. Minimum 20 credits.

Students desiring to prepare for community recreation and leadership may select the following combination for an academic major in the department of physical education.

Academic Major in Community Recreation and Leadership: Dramatic Art 5; Sociology 1, 56, 57, 62; P.S. & O. 169-170-171; Phys. Edu. 104-105-106, 111-112-113, 154-155-156, 167, 169, 170-171-172, 179, 180, 174, 175. Minimum 35 credits in physical education. Substitution in sociology and fine arts may be made with the approval of the head of the department of physical education.

(Anatomy or physiology are not required for the courses in physical education mentioned in the foregoing paragraph.)

PHYSICS

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

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

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

POLITICAL SCIENCE

Academic Major: Courses 1, 101, 151, 161, and electives to make minimum of 35 credits.

Academic Minor: Courses 1, 101, 151, 161, minimum 20 credits.

For teaching civics, courses in history, economics and sociology are desirable as supporting subjects. See also civics for combinations with economics and sociology.

PSYCHOLOGY

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

Academic Minor: Courses 1, 106, 112, 114, and electives to make a minimum of 20 credits.

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

PUBLIC SCHOOL ART

Academic Major: Courses 56, 57, 58, 101, 102, 105, 106; total 35 credits.

Academic Minor: Courses 16, 17, 18, 53, 54, 55, 169; total 20 credits.

ROMANIC LANGUAGES AND LITERATURE

Academic Major: Minimum of 35 credits in one language.

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

Recommendation for Teaching French: Courses 41, 101-102-103, 158, 159, Educ. 160T, and electives amounting to 9 or 10 credits in courses in French literature numbered above 115. At least 4 of the 9 or 10 credits shall be in courses in literature conducted in French.

Recommendation for Teaching Spanish: Courses 101-102-103, 159, electives from literary courses 9 or 10 credits.

55
33
22

14
14
38

In many cases a part of the French or Spanish courses may have been taken in high school.

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

SCANDINAVIAN LANGUAGES AND LITERATURE

Academic Major: Minimum 35 credits.

Academic Minor: Minimum 20 credits.

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

Suggested Minor in Norwegian: Courses 10-11-12, 13-14-15, 20-21-22.

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

SOCIOLOGY

Academic Major: Courses 1, 55, 56, 180, and electives to make a minimum of 35 credits.

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

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

See civics for combination with economics and political science.

ZOOLOGY

Academic Major: Courses 1-2 or 53-54-55 and electives to make a minimum of 35 credits.

Academic Minor: Courses 1-2 or 53-54-55 and electives to make a minimum of 20 credits.

Physical Major 7, 115, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

COURSES OF STUDY

For description of courses see Departments of Instruction section.

LIBRARY SCHOOL

THE FACULTY, 1926-1927

Henry Suzzallo, Ph. D. (Columbia) LL.D. (California) LL.D. (British Columbia) ..President	
David Thomson, B.A. (Toronto).....	Dean of Faculties
William Elmer Henry, A.M. (Indiana).....	Professor of Library Science; Dean of the Library School
Charles Wesley Smith, A.B., B.L.S. (Illinois).....	Professor of Library Science
Marie Smart Alfonso, A.B. (Nebraska), B.S. in L.S. (Washington).....	Instructor in Library Science
Marguerite E. Putnam, A.B. and B.S. in L.S. (Washington).....	Instructor in Library Science
Sarah Virginia Lewis, Certificate in Library Science (Wisconsin).....	Associate in Library Science
Anne E. Hall, A.B. (Wellesley), Certificate in Library Science (Carnegie Library School, Pittsburgh).....	Instructor in Library Science

GENERAL STATEMENT

The Library School offers professional education in librarianship.

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

The technical curriculum extends through three quarters—short in comparison with the academic curriculum, because the general educational equipment of the librarian is of larger significance than the technical education, but neither is sufficient without the other.

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

ADMISSION

Admission is granted as follows:

1. To graduate students who hold the baccalaureate degree from any college or university of good standing, whose undergraduate work in either or both high school and college has included the equivalent of at least twenty college credits each in two modern foreign languages, German and French preferred. Slight deficiencies in the languages, however, may be accepted as conditions, but must be removed within the period of study in the Library School.

2. To students who have qualified for senior standing in the College of Liberal Arts or in the elective curricula in the College of Science, having earned 145 credits, including 10 credits in military science, or physical education, and including all required work. However, students who lack not more than fifteen credits of senior standing (including the languages required above) may be admitted with permission of the dean, but such students must complete the 180 plus 10 hours required for graduation.

Initial admission to classes in the Library School is permitted only at the beginning of the college year in October except by special permission of the dean of the Library School. No one may be admitted to any course in the Library School curriculum except as an auditor, unless he is expecting to complete the entire curriculum.

DEGREES

On completion of the curriculum in library science, (45 credits) either as a fourth year (or major) following three years in the College of Liberal Arts or the College of Science, or as a fifth (or graduate) year, the degree of Bachelor of Science in Library Science is granted.

Loan Fund.—By joint action of the Puget Sound Library Club and the Alumni Association of the Library School, a library school student loan fund has been established, to be known as the University of Washington Library School Loan Fund. This fund is available to students in the Library School who have been in attendance for at least a quarter and have made a satisfactory record. Its purpose is largely to meet emergency needs of the students, rather than to pay expenses through the year. It is administered by a committee of three of which the dean of the school is chairman. Applications to borrow from the fund should be made to him. The fund has been raised by voluntary contributions from the members of the club and the alumni and is open to contribution at any time.

ADVISORY SUGGESTIONS

The student entering the school should be a typist of accuracy and fair speed.

Practical service in a library prior to entering the library school is extremely advantageous to the student. We advise (and shall later probably require) that each student shall have had before entering the school at least one month's actual experience in a well conducted library. We shall be glad to assist any candidate for entrance to obtain this practical experience.

Students doing an inferior grade of work will be advised to discontinue work in the Library School. Grades below an average of B minus or C plus are too low. A poor scholastic record is not an adequate basis for a strong recommendation for library service.

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

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

The dean of the Library School is the adviser for all pre-library school students, and electives are to be chosen only with his approval.

CURRICULA

I. LIBERAL ARTS

A suggested curriculum for pre-library students entering from the College of Liberal Arts, and an outline of the year's work in the Library School is given below. The courses are arranged in the normal order of precedence. For those who take the library curriculum in the senior year no academic major is required as the technical training of the Library School constitutes this major. Academic subjects marked with the double dagger are required; those with a single dagger are strongly recommended; others are suggested electives. All Library School subjects are required.

FIRST YEAR			
	<i>Credits</i>	<i>Modern Foreign Language³</i>	<i>Credits</i>
<i>English</i>		<i>†1-2-3. French or German.....</i>	<i>15</i>
†1-2. Composition	10	<i>Psychology</i>	
Unless exempted by examination.		†1. General	5
70, 71, 72. Shakespeare	9	<i>Liberal Arts</i>	
64, 65, 66. Lit. Backgrounds	15	†1. Intro. to Modern Thought.....	5
<i>History²</i>		<i>P. S. & D.</i>	
1-2. Medieval & Modern.....	10	18, 17, 18. Art Appreciation	8
5-6. Eng. Pol. & Social.....	10	<i>Architecture</i>	
<i>Science²</i>		3. Appreciation	2
Botany, Geology or Zoology.....	10	<i>Latin⁴</i>	
<i>Music</i>		11, 13. Rom. Civ. and Lit.....	10
13. Appreciation	5		

² These requirements may be satisfied in high school or in college.

³ The Library School requires 20 hours each of two modern foreign languages, French and German preferred, in either high school or college.

⁴ Students who have taken, or plan to take three or more years of ancient language may omit this requirement.

Library School

SECOND YEAR

<i>Modern Foreign Language</i> ^a	<i>Credits</i>	<i>Political Science</i> ¹	<i>Credits</i>
†Fourth quarter of foreign language previously taken	5	†1. Comparative Government	5
Begin other language required by Library School	10	<i>Sociology</i>	
<i>History</i> ²		†1. Introduction ¹	5
†57-58-59. United States	9	58. Neighborhood Resources	3
<i>Greek</i> ⁴		62. Public Recreation	3
15-16. Civilization	10	<i>Economics</i>	
<i>Anthropology</i>		†1. Introduction ¹	5
51. Evolution of Civilization	5	7. Geog. Background of Inds.	5
<i>Zoology</i>		61. Social & Econ Stds.	5
16. Evolution	2	<i>Liberal Arts</i>	
17. Eugenics	2	†11. Intro. to Fine Arts.	5
		<i>Oriental Lang. and Lit.</i> ⁴	
		50, 51 or 52. Oriental Lit.	10

THIRD YEAR

<i>Modern Foreign Language</i> ^a	<i>Credits</i>	<i>English</i>	<i>Credits</i>
†Complete Library School requirement. 10		†133, 134, 135. Main Tendencies I. . .	9
<i>Philosophy</i>		†136, 137, 138. Main Tendencies II. .	9
†1. 2 or 3. Introduction.	5	†164, 165, 166. Am. Lit. from 1870. .	9
<i>History</i>		174, 175, 176. 10th Cent. Poetry. .	9
125. Turkey & Near East.	5	<i>Science</i> ³	
†130. Europe, 1814-1870	5	Physics 1-2 or Chemistry 1-2, or 5-6. .	10
†131. Europe Since 1870	5	<i>Germanic Lang. and Lit.</i>	
<i>Political Science</i>		†106, 108. German Lit. in Tr.	5
122. Foreign Relations	3	<i>Romantic Lang. and Lit.</i>	
123. Intern. Relations	3	†118, 119, 120. Survey French Lit. . .	9
156. European Gov. & Pol. Insts. .	3	†181, 182, 184. Italian Lit. in Tr. .	6
161, 162, 163. Governments.	15	<i>Scandinavian Literature</i>	
†101	2	109, 110, 111. Modern Authors	3
<i>Oriental Lang. and Lit.</i>		180, 181, 182. Recent Lit.	6
114, 115, 116. Hist. of Religion. . .	9		
120, 121. Problems of Pacific.	4		

FOURTH YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
175. Classification	3	184. Cataloging	3	192. Library Economy ..	2
176. Cataloging	2	185. Reference	2	193. Reference	2
177. Reference	2	186. Practice	5	194. Subject Bibliog. . .	2
178. Administration	2	187. Administration	2	195. Practice	5
179. Book Selection ...	3	188. Book Selection ...	2	196. Book Selection ...	2
		189. Children's Work ..	2	197. Administration ...	2
				198. Lectures	1

II. SCIENCE

The following is a curriculum suggested for pre-library students in the College of Science. For those who take the library curriculum in the senior year no academic major is required as the technical training of the Library School constitutes this major. Subjects marked with the double dagger are required. The complete Library School curriculum, which constitutes the fourth year, is required.

FIRST YEAR

<i>Modern Foreign Language</i> ^a	<i>Credits</i>	<i>Zoology</i>	<i>Credits</i>
†1, 2, 3. French or German	15	†1, 2. Elementary	10
<i>Astronomy</i>		<i>Liberal Arts</i>	
1. General	5	1. Intro. to Modern Thought.	5
<i>Psychology</i>		<i>Chemistry</i>	
†1. Introduction	5	†5-6. General	10
<i>P. S. & D.</i>			
16, 17, 18. Art Appreciation	3		

¹ This requirement may be satisfied by the first course in each of two of these (economics, sociology or political science), or the first course in any one of them together with five credits in another course for which the one taken first is a prerequisite.

² These requirements may be satisfied in high school or in college.

³ The Library School requires 20 hours each of two modern foreign languages, French and German preferred, in either high school or college.

⁴ Students who have taken, or plan to take three or more years of ancient language may omit this requirement.

SECOND YEAR

<i>Modern Foreign Language*</i>	<i>Credits</i>	<i>Zoology</i>	<i>Credits</i>
†Fourth quarter of Foreign Language		†16. Evolution	2
previously taken	5	†17. Eugenics	2
Begin other Foreign Language required		<i>History</i>	
by Library School	10	1-2. Modern and Medieval.....	10
<i>Pol. Sci., Econ. or Soc.</i>		<i>Geology</i>	
1. Introduction	5	†1, 2. General.....	10
<i>English</i>		<i>Music</i>	
†1, 2. Composition	10	†1, 2, 3. Appreciation	5

THIRD YEAR

<i>Modern Foreign Language*</i>	<i>Credits</i>	<i>Physics</i>	<i>Credits</i>
†Complete Library School requirement	10	†89-90. Physics of the Home.....	10
<i>Botany</i>		<i>History</i>	
†1, 2. General	10	180. Europe, 1814-1870	5
<i>Liberal Arts</i>		181. Europe since 1870.....	5
11. Intro. to Fine Arts.....	5	<i>English</i>	
†Political Science 101.....	2	186, 137, 138. Main Tendencies.....	9

COURSES OF STUDY

For the work of the lower division and for courses in departments other than library science the sections of the catalogue relating to the Colleges of Liberal Arts and Science and Departments of Instruction should be consulted.

For description of courses see Departments of Instruction section.

* The Library School requires 20 hours each of two modern foreign languages, French and German preferred, in either high school or college.

COLLEGE OF BUSINESS ADMINISTRATION

THE FACULTY, 1926-1927

Henry Suzzallo, Ph.D. (Columbia), LL.D. (California), LL.D. (British Columbia)	<i>President</i>
David Thomson, B.A. (Toronto)	<i>Dean of Faculties</i>
*Howard T. Lewis, M.A. (Wisconsin)	<i>Professor of Economics;</i> <i>Dean of College of Business Administration</i>
William E. Cox, A.M. (Texas)	<i>Professor of Business Administration;</i> <i>Acting Dean of the College of Business Administration</i>
Leslie James Ayer, B.A., J.D. (Chicago)	<i>Professor of Law</i>
James E. Gould, A.M. (Harvard)	<i>Professor of Maritime Commerce</i>
Howard H. Preston, Ph.D. (Iowa)	<i>Professor of Business Administration</i>
William D. Moriarty, Ph.D. (Michigan)	<i>Professor of Business Administration</i>
Carl S. Dakan, B.S. (Missouri)	<i>Professor of Business Administration</i>
Wilfred Eldred, Ph.D. (Harvard)	<i>Professor of Business Administration</i>
Harry E. Smith, Ph.D. (Cornell)	<i>Associate Professor of Business Administration</i>
Macy M. Skinner, Ph.D. (Harvard)	<i>Associate Professor of Business Administration</i>
Charles R. Atkinson, Ph.D. (Columbia)	<i>Associate Professor of Business Administration</i>
Henry A. Burd, Ph.D. (Illinois)	<i>Associate Professor of Business Administration</i>
Karl E. Leib, J.D. (Stanford)	<i>Associate Professor of Business Administration</i>
Theresa McMahon, Ph.D. (Wisconsin)	<i>Associate Professor of Economics</i>
Homer E. Gregory, A.M. (Chicago)	<i>Assistant Professor of Business Administration</i>
Harry J. McIntyre, M.B.A. (Washington)	<i>Assistant Professor of Mechanical Engineering</i>
James M. McConahey, LL.B. (Northwestern), C.P.A.	<i>Lecturer on Accounting</i>
James P. Robertson, C.P.A.	<i>Lecturer on Accounting</i>
Pierce C. Davis, C.P.A.	<i>Lecturer on Accounting</i>
Oscar E. Draper, M.Acct. (Vories Business College)	<i>Lecturer on Business Administration</i>
A. R. Truax	<i>Lecturer on Business Administration</i>
Frank C. Van de Walker, M.B.A. (Washington)	<i>Associate in Business Administration</i>
Frank H. Hamack, LL.B. (Georgetown)	<i>Instructor in Business Administration</i>
Raymond F. Farwell, M.A. (Washington)	<i>Instructor in Maritime Commerce</i>
<hr/>	
Frederick M. Padelford, Ph.D. (Yale)	<i>Professor of English; Dean of the Graduate School</i>
Robert Edouard Moritz, Ph.D. (Nebraska), Ph.N.D. (Strassburg)	<i>Professor of Mathematics</i>
Henry Kreitzer Benson, Ph.D. (Columbia)	<i>Professor of Chemical Engineering</i>
Frederick Elmer Bolton, Ph.D. (Clark)	<i>Professor of Education</i> <i>Dean of the School of Education</i>
Effie Isabel Raitt, A.M. (Columbia)	<i>Professor of Home Economics</i>
Stevenson Smith, Ph.D. (Pennsylvania)	<i>Professor of Psychology</i>
Charles E. Martin, Ph.D. (Columbia)	<i>Professor of Political Science</i>
Edward McMahon, A.M. (Wisconsin)	<i>Associate Professor of American History</i>
*Absent, 1926-1927	

GENERAL STATEMENT

The College of Business Administration seeks to give the student

1. That broad cultural training which every well-educated man must have.
2. A knowledge of the fundamentals of modern business principles upon which any business man, regardless of his particular field, must build.
3. A keen specialized training in some one major phase of business.
4. A contact with actual business as it is conducted.

REQUIREMENTS FOR ADMISSION

Correspondence.—Credentials and all correspondence relating to admission to any college or school of the University should be addressed to the Registrar, University of Washington. Full information concerning admission, registration, expenses, may be found on pages 42, 50, 52.

Freshman Standing.—Freshman standing in the University is granted to any recommended graduate of a four-year accredited secondary school who meets the scholarship requirements outlined on page 42.

In addition to the three units of English and the two units of mathematics required for admission to all colleges of the University, students expecting to enter the College of Business Administration should elect their work so as to offer one unit of typewriting and two units of history. A student who does not present one unit of typewriting from high school is required to complete the equivalent of one unit before the end of his fourth quarter of residence. This requirement may be satisfied by electing B.A. 15 and 16 in the University.

Civics and economics may count toward the history requirement. If these subjects have not been included in high school elections, they must be elected in the University.

GRADUATION

The College of Business Administration is a professional college. Its graduates receive the degree of bachelor of business administration (B.B.A.) The degree of bachelor of business administration is conferred on any student who has fulfilled the entrance requirements and who presents 190 credits in subjects required or approved by the faculty of the College of Business Administration.

The degree of master of arts (M.A.), or of master of business administration (M.B.A.) is conferred on students who complete in a satisfactory manner an approved course ordinarily requiring three quarters of advanced work beyond that required for the bachelor's degree. The degree of master of arts implies a major in business administration or economics and a minor in some related subject. The degree of master of business administration is a more technical degree, and implies that a candidate's work has been confined to business administration or economics. Before being recognized as a candidate for an advanced degree, a student must appear before a committee appointed by the dean of the Graduate School, which determines the student's fitness for such work and confers with him upon his proposed course of study.

Students entering from other colleges 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:

PRE-BUSINESS CURRICULUM

First Year

	<i>Credits</i>
B.A. 1, B.A. 2, General Economics.....	10
B.A. 7, Geographic Background of Industry.....	5
English 1, Written and Oral English.....	5
English 37, Argumentation.....	5
*Physics (10 hours) or Chemistry (10 hours) or Mathematics (10 hours) or Foreign Language (10 hours).....	10
Psychology 1	5
Approved electives	5
	<hr/> 45+5

Second Year

B.A. 54-55-56, Business Law.....	9
History 57-58-59, History of the United States.....	9
B.A. 62-63-64, Accounting.....	15
B.A. 59, Elements of Statistics.....	5
B.A. 60, Labor in Industry, or Sociology 1.....	5
Approved electives	5
	<hr/> 48+5

BUSINESS CURRICULUM

Third Year

B.A. 115, Business Correspondence.....	5
†B.A. 103, Money and Banking, or	
†B.A. 106, Economics of Marketing and Advertising, or	
†B.A. 108, Risk and Risk Bearing.....	10
‡Political Science	5-7
†+Approved electives	25-23
	<hr/> 45

Fourth Year

B.A. 160, Advanced Economics.....	5
†+Approved electives	40
	<hr/> 45

The requirements of the first two years are sufficiently broad to establish a foundation for the profession of business, regardless of the particular field in which the student may later be interested.

* Students majoring in maritime commerce are required to take B.A. (ship operation) and B.A. 62 (navigation). This satisfies the requirement and they are therefore not required to take 10 hours of physics, chemistry, mathematics, or foreign language.

† Students are required to take 10 hours selected from the three courses, B.A. 103, B.A. 106, B.A. 108.

‡ If Political Science 1 is selected students are not required to take Political Science 101.

†+ Of the approved electives in the junior and senior years at least 25 hours must be in the upper division courses in economics and business administration.

No student is allowed to enter the junior-senior courses in the College of Business Administration unless he has reached junior standing and satisfied the prerequisites to these courses. The prerequisites have been established after the most careful consideration of the standard of efficiency and performance aimed at in the course, and the educational value of the course for the student. 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 make it impossible for the students to get the full benefit of the course. The college realizes that certain just claims to exceptions from the above rules could be presented, and such exceptions can be granted to 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 on by the dean of the College of Business Administration, and the committee on graduation.

The junior and senior years are largely reserved for the student's selected field of business interest. Each student or group of students is 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.

ECONOMICS

Students in the College of Liberal Arts or the School of Education choosing economics as their major, should consult with the head of the department or the professor in charge of advanced economics with regard to a proper selection of courses. A major in economics must include B.A. 160. The other courses to complete the requirements should be chosen from the following:

- | | |
|--|----------------------------------|
| 1. General Economics | 159. Advanced Money and Banking |
| 2. General Economics | 160. Advanced Economics |
| 60. Labor in Industry | 161. American Labor Problems |
| 61. Social and Economics Standards of Living | 162. European Labor Problems |
| 103. Money and Banking | 164. Land Economics |
| 104. Economics of Transportation | 165. Labor Legislation |
| 106. Economics of Marketing and Advertising | 166. Women in Industry |
| 108. Risk and Risk Bearing | 168. History of Economic Thought |
| 121. Corporation Finance | 181. Economics of Consumption |

SUGGESTED COURSES FOR THE PROFESSIONAL FIELDS

Besides general training in economics the following fields of business training are suggested:

- | | |
|---|---|
| 1. Economics | 6. Management |
| 2. Accounting | 7. Insurance |
| 3. Finance | 8. Marketing, Merchandising and Advertising |
| 4. Commercial Teaching and Secretarial Work | 9. Transportation and Maritime Commerce. |
| 5. Foreign Trade and Consular Service | |

In the third quarter of the sophomore year each student in the College of Business Administration will be required to select his major field. He is then placed in contact with an instructor working in that field and the approval of that instructor is required for his subsequent elections.

In addition to the requirements of the College of Business Administration listed on pages 125, 126 a student majoring in any of the various fields open to election will be required to take certain fundamental courses in that field. These specific requirements naturally vary in each case, Beyond

college and departmental requirements the student is allowed considerable latitude in his election. These elections, however, must be made after consultation with and upon approval of his advisor.

ECONOMICS

The courses offered in the department of economics appeal particularly to three classes of students: (1) those who wish to take advantage of the opportunity offered by the College of Business Administration but who do not care to specialize in any technical field; (2) students desiring to enter the School of Law through the College of Business Administration but who do not desire to major in any special field of business; (3) students looking forward to teaching economics and business administration. This department emphasizes primarily economic theory in its broad aspects. The number of students interested in this work is increasing steadily.

ACCOUNTING

Three distinct groups of accounting courses are offered to meet specific needs of students after graduation. The first three courses (62, 63, 64), a graduation requirement of all business administration majors, are service courses enabling the average business man to interpret and control his own business through its records and accounts. The second three courses (110, 111, 112), prepare the student to serve in the capacity of treasurer, comptroller, or auditor in any business concern. The third group embracing eight courses (154, 155, 156, 157, 158, 184, 191) together with the preliminary work listed above constitute sufficient theoretical and technical training for professional certified public accountants examination and certificate. For non-business administration students a general preliminary survey course is obtainable in Course 65.

FINANCE

The first purpose of the courses in business finance is to give to all prospective business men and women the basic principles of sound financial policy and an understanding of the financial institutions with which the business manager has to deal. A second aim of the department is to train students for positions in commercial banks, investment houses, mercantile credit departments and financial departments in general business.

SECRETARIAL TRAINING AND COMMERCIAL TEACHING

Secretarial Training.—The courses making up the work in secretarial training in this college have as their aim the familiarizing of the student with the actual conditions found in the business office, the equipment and its operation, together with a technical training in the duties to be performed by the secretary and the clerk.

Commercial Teaching.—The University has had difficulty in filling calls for commercial teachers in the high schools. High schools have complained that they are unable to get properly trained teachers for their commercial departments. It is the purpose of the department to train such teachers, giving them as broad a training as is consistent with the proper technical knowledge of the subjects they will probably be required to teach.

FOREIGN TRADE AND CONSULAR SERVICE

Foreign Trade.—The aim of the department of foreign trade is to furnish the student with a knowledge and appreciation of the essential facts of world economic and trade conditions, of the geographic distribution of raw materials and manufactured products and the technique of their exchange. The courses in exporting and importing and trade with the various countries of the world, as supplemented by work in money and banking,

marketing, commercial and maritime law, and marine insurance, are expected to prepare men and women for positions with export commission houses, the export departments of manufacturing concerns, customs brokers and the buying departments of large retail establishments.

Consular and Diplomatic Service.—The government trade and diplomatic services are in process of reorganization and there is an increasing demand for professionally trained men as representatives in foreign lands. The government requirements are exacting but the remuneration has become correspondingly more satisfactory and this fact added to the interest of the work and the prestige attached to such positions abroad has made foreign service an attractive profession for college men who have the personal qualities and the training necessary for success in this field.

MANAGEMENT

These courses are intended to present developments in the field of business control. Recent progress, due to the increasing use of the corporate form of organization, has been very rapid. Combination of land, labor and capital for most effective use has become a separate and technical study. The training given here is designed to benefit several different classes of students. First (and largest) will be those who are specializing in other pursuits but who wish some knowledge of modern managerial methods, either because they wish to understand the control of the business units in which they are factors, or because they realize that they will probably have to exercise some degree of executive ability though they fill subordinate positions. Second are those who look forward to managerial or executive work as a profession. A percentage of this group will be interested in the technique of the control of the human element in industry, or employment management. Last are those students in other schools, notably science and engineering, who wish to broaden their training by a study of economics and particularly of modern progress in industrial relations.

INSURANCE

In insurance there are two objects kept in mind. One is to give the student who expects to engage in some form of insurance business after leaving the University the basic principles so that he will be able to advance more rapidly in his profession than if he lacked this fundamental knowledge. The other is to give to all students who register in insurance courses first a clear idea of the part which uncertainty plays in all life and business, and second enough knowledge with regard to particular kinds of insurance to enable him to handle intelligently his own needs for insurance.

MARKETING, MERCHANDISING AND ADVERTISING

Marketing.—The study of marketing involves the analysis of the commercial organization for transferring goods from producer to consumer. Different methods or systems of marketing have been developed appropriate to the different types of merchandise. Both general and specialized courses in marketing, together with election in other departments, are recommended to students majoring in this field. No attempt is made for any specific vocation, but majors in marketing should find their training useful in many lines of business activity.

Merchandising.—The aim of the merchandising work is to familiarize the student with the principles underlying the retail distribution of merchandise in unit stores, specialty shops, chain and department stores. These principles include the technique of buying, selling and pricing goods, sales promotion, control of stock, store operation, store organization and management, hiring, training and paying employees, and service to customers. Through apprenticeship work in the senior year the student lays the foundation of his business life before leaving college, securing first-hand information under supervision which insures development and progress.

Advertising.—Special courses, combined with studies in related fields, present the subject of advertising as one of the fundamentals of a sound marketing program. Majors in this field find opportunity for employment in advertising agencies; in the advertising departments of retail stores, wholesale houses, and manufacturing companies, and on newspapers.

TRANSPORTATION AND MARITIME COMMERCE

The work in transportation naturally divides itself into three fields. (1) Railway transportation. There are certain opportunities open to students desiring to engage directly in business. These are somewhat limited. A much larger field of steadily increasing significance is that of traffic management with large industrial and commercial concerns. Men who are expert in rate making, routing and other problems of railway transportation are in constant demand by these concerns. (2) Maritime commerce appeals to students who are interested in foreign commerce and ocean transportation either in foreign positions or those on shipboard. The University provides splendid contacts for these men both in experience and in theoretical training. The advantageous position of Seattle is of particular interest to students who wish to follow this line of work. (3) Motor transportation. The amount of freight and passengers moved by motor vehicles is on the increase year by year and it has become a business of first importance.

PRE-LAW

Students desiring to enter the School of Law will be admitted to that school upon the completion of three years in the College of Business Administration. Students contemplating such a transfer should consult with the dean of the School of Law toward the close of their second year in business administration relative to their choice of electives in business administration.

GENERAL INFORMATION

Textbooks—Syllabus Fees.—Many courses in the College of Business Administration require textbooks. The faculty aims to keep the textbook expense as low as is consistent with a high standard of class work.

Syllabus or consultation fees are asked in all courses. The service rendered is necessary and valuable. With the exception of three secretarial training courses, B.A. 81, 82, 83, at \$5, this fee has been fixed at \$1 a course. A fee of \$10 will be asked for any one quarter of instruction in shorthand or typewriting, as these are not a part of the regular curriculum and must finance themselves.

Library Facilities.—The college is placing in the library a large number of supplementary reports. For many years government reports, containing a vast amount of material for the student of business, have been filed in the library. Most of the domestic journals in economics and commerce, as well as many foreign ones are received by the college. Each student is expected to make use of the material and report from time to time on current topics of interest.

Student Organizations.—A number of honorary and professional societies with national affiliations have been established at the College of Business Administration. Beta Gamma Sigma and Beta Alpha Psi (accounting), honorary fraternities, and Alpha Kappa Psi, a professional fraternity for men, at present count chapters in many institutions. Membership is based on high scholarship. Their aim is to promote serious study of business problems. Gamma Epsilon Pi, honorary, is a similar organization among the women specializing in business administration. Its purpose is not social, but professional, and membership is restricted to candidates for the B.B.A. degree. A number of prominent business women in Seattle and

eastern cities are honorary members. Alpha Delta Sigma is a professional organization for men, and Gamma Alpha Chi for women, interested in advertising. The parent chapter of Pan Xenia, a professional and international society for major students in foreign trade, was founded in 1918 at the University of Washington and bids fair to play an important part in the future of our foreign trade department.

Required Military Science and Physical Education.—The University requirements in military science, physical education and hygiene are satisfied as follows:

Men students.—Freshmen and sophomores, five hours of military science per week each year.

Women students.—Physical education, five times per week for two years.

Correspondence.—Inquiries in regard to the College of Business Administration may be addressed to the dean of the college. All correspondence regarding admission should be sent to the registrar of the University.

Contact with Actual Business.—The business men of the state and especially of the city of Seattle, are cooperating in a most genuine way with the College of Business Administration. Students are encouraged to avail themselves of the many opportunities to do part-time work in local concerns along their chosen lines.

In addition to part-time employment an alternating quarter system of office practice and academic work has been established in the division of maritime commerce. The office practice work is made a definite part of the training.

During the senior year, or during a year of graduate work, students specializing in marketing, merchandising, or advertising are given opportunity to spend alternate quarters in actual business under the immediate supervision of a field director. This plan involves either attendance at summer school or working under supervision during the summer between the junior and senior years. These apprenticeships are made possible by the active cooperation of business houses. They give the student the benefit of a favorable introduction to the best business practice, and also give him this introduction while he is still in college. His theories may be vitalized by supervision of department heads in the business and the teacher of theory in college discussing with him the application of theory to actual business as the student finds it.

The Students' Advisory Council.—The B.A. Council, organized in the autumn quarter of 1919 by the students of the college, is a representative body having as its members three officers, two representatives from each of the three upper undergraduate classes, one representative from the freshman class, and one from the graduate school. It functions in an advisory capacity on matters relating to standard of scholarship, student esprit-de-corps, cooperation between the faculty and the student body on other matters which are brought to its attention by the faculty or the student body. The regular business administration assemblies are organized and conducted under the direction of the council.

The mentor system is the conception of this council. The plan provides for the appointment of a group of senior and graduate students to meet the freshmen of the college at a certain appointed time in three conferences during the quarter. The mentors take the responsibility of seeing that every freshman student in his or her group gets the largest possible benefit out of his college life.

Fellowships.—The college is now in a position to grant several fellowships with opportunity for assisting in the instruction. Address Dean of the College of Business Administration.

Outside Lectures.—The College of Business Administration supplements as far as possible the work given with practical lectures and discussions by business men. Many of the leading business men of Seattle and the state have delivered lectures in their special fields to classes.

COURSES OF STUDY

For description of courses see Departments of Instruction section.

SCHOOL OF JOURNALISM

THE FACULTY, 1926-1927

Henry Suzzallo, Ph.D. (Columbia), LL.D. (California), LL.D. (British Columbia).....	<i>President</i>
David Thomson, B.A. (Toronto).....	<i>Dean of Faculties</i>
Leo A. Borah, A.B. (Huron), A.M. (Washington).....	<i>Assistant Professor of Journalism;</i> <i>Acting Director of the School of Journalism</i>
*Matthew Lyle Spencer, Ph.D. (Chicago).....	<i>Professor of Journalism</i>
Robert William Jones, A.B., LL.B. (Missouri), A.M. (South Dakota).....	<i>Associate</i> <i>Professor of Journalism</i>
Fred Washington Kennedy.....	<i>Assistant Professor of Journalism; Director of the</i> <i>Journalism Laboratories</i>
.....	<i>Associate in Journalism</i>
Mildred L. Frudenberg, A.B. in Jour. (Washington).....	<i>Secretary to the Dean</i>

Edmond Stephen Meany, M.L. (Wisconsin), LL.D. (College of Puget Sound)....	<i>Professor of</i> <i>History</i>
William Savery, Ph.D. (Harvard).....	<i>Professor of Philosophy</i>
Pierre Joseph Frein, Ph.D. (Johns Hopkins).....	<i>Professor of Romantic Languages</i>
Stevenson Smith, Ph.D. (Pennsylvania).....	<i>Professor of Psychology</i>
Howard Woolston, Ph.D. (Columbia).....	<i>Professor of Sociology</i>
Leslie James Ayer, J.D. (Chicago).....	<i>Professor of Law</i>
Fred Carlton Ayer, Ph.D. (Chicago).....	<i>Professor of Education</i>
Charles E. Martin, Ph.D. (Columbia).....	<i>Professor of Political Science</i>
William Daniel Moriarty, Ph.D. (Michigan).....	<i>Professor of Business Administration</i>
Dudley D. Griffith, Ph.D. (Chicago).....	<i>Associate Professor of English</i>
Ambrose Patterson.....	<i>Associate in Fine Arts</i>
Frank H. Hamack, LL.B. (Georgetown).....	<i>Instructor in Business Administration</i>

*Absent, 1926-27.

THE SCHOOL AND ITS EQUIPMENT

The first courses in journalism in the University of Washington were given in 1907. A department of journalism was established in 1909. In March, 1918, the department was formally made a school.

The professional courses in the School of Journalism and those prescribed in the Colleges of Liberal Arts and Science are planned with two aims in view—to offer instruction and practice in the fundamentals of newspaper work on both the business and editorial sides, and to provide such studies as are best adapted to give the broad training necessary for successful pursuit of journalism as a profession. In the first the courses include reporting, copy reading, editorial writing, advertising, cartooning, trade journalism, the mechanics of printing and publishing, and the practical work of the business and administrative offices. In the second are history, economics, political science, sociology, philosophy, psychology, language, literature, and similar subjects necessary in developing the broader scholarship indispensable in modern journalism.

This double ideal of the School of Journalism curriculum has justified itself in the steady demands of Pacific coast editors for University graduates. Requests always 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 first floor of Commerce Hall, 208 x 70 feet. On this floor are the class rooms, the journalism library and reading room, the faculty offices, the University Press, and all the mechanical equipment for teaching practical journalism. The University Press does virtually all the campus printing and publishing.

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 engaged in newspaper work in New York. The Memorial Library contains carefully selected books and periodicals relating to printing, advertising, current events, short story, and all phases of the editorial side of the newspaper.

Journalism "Morgue."—In the Memorial Library is a journalism "morgue," for newspaper and periodical clippings on current topics classified for instant reference. This contains biography, book reviews, and dramatic criticism, besides a continuous chronicle of events.

Student Publications.—The editorial and business offices of *The University of Washington Daily, Columns*, and *Tyee* are on the first floor of Commerce Hall. Ownership of these publications is vested in the Associated Students of the University of Washington. All are supervised by the School of Journalism, the staff members of each being recruited mainly from the school. All offer opportunities for practical experience in magazine and newspaper work. Places on the editorial and business staffs of each, awarded for the most part on a basis of literary and executive ability, are open to all students in the School of Journalism. Opportunity for wide experience in reporting, copy reading, editorial writing, and advertising is offered in the various departments of these publications.

Journalistic Clubs.—Five national organizations are maintained by students in the School of Journalism. Junior and senior men have a chapter of Sigma Delta Chi, one of the two national journalistic fraternities. Junior and senior women maintain a chapter of Theta Sigma Phi, the national journalistic sorority founded at the University of Washington in 1910. Members of *The Columns* staff have chapters of Hammer and Coffin, the national comic-magazine fraternity, and Sigma Upsilon, the national literary fraternity. Students specializing in advertising have also a chapter of Alpha Delta Sigma, national advertising fraternity for men.

Opportunity for Self-Help.—Because of the location of the University in a large city and the presence of numerous printing plants and publications within easy reach, there is excellent opportunity for students to earn part of their expenses while in school. During the past year more than three-fourths of the men in the School of Journalism were earning their way wholly or in part. The dean of the school has frequent calls from editors, publishers, and managers of printing plants 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 the various kinds of work ranges up to \$100 a month, according to the service given. Promise of employment, however, cannot be made in advance. Positions usually are given those on the ground who are able to show by actual experience that they can do the work required. In general, a student should have an assurance of \$500 or more before enrolling in the School of Journalism, and no one should expect to earn all or even a part of his expenses during his first quarter of residence.

Admission.—On successful completion of 90 plus 10 credits of prescribed and elective work at the University of Washington, or an equivalent amount from another institution of accredited standing, students are granted upper division standing, which admits to the School of Journalism. (See College of Liberal Arts section, page 83.) Students not having upper division standing may be admitted, on recommendation of the dean, to courses in the School of Journalism if they (1) are proficient in English composition and typing, (2) have had sound training in history, economics,

politics, and sociology, and (3) have had not less than a year's experience in newspaper work or other professional writing. Credit toward graduation is not granted for newspaper work except when such work is done under the direct supervision of an accredited instructor.

Fees.—In certain courses in journalism laboratory fees are charged. These go toward purchase of textbooks, student materials, community typewriters of which the school has nineteen—and toward subscriptions for newspapers and periodicals, of which the school takes forty or fifty annually, in addition to a large number of weeklies that come to the dean's desk on exchange. The number of courses requiring fees varies from year to year. In 1926-1927 the maximum laboratory fees in journalism, in addition to the regular University fees, will not be more than \$2.50 a quarter for any student, regardless of the number of courses taken.

Pre-Journalism Majors.—The dean of the School of Journalism is the advisor for all students in journalism from the beginning of the freshman year. Registration of pre-journalism majors at the beginning of each quarter is held in the dean's office. To him should be taken questions about coordinating courses in other schools and any matters touching scholastic problems.

Journalism Curriculum.—From the beginning of the freshman year a specific curriculum of studies (see page 136) is required of students expecting to major in journalism. Courses in news writing, the profession of journalism, and the community newspaper are open to lower division students. Entrance to the School of Journalism is granted on ability shown by the individual in these courses to do newspaper work successfully. A minimum of 90 plus 10 credits must be earned before entrance.

Minor in Journalism.—Students wishing to minor in journalism must include the following courses in their minor: Journalism 51 (News Writing), 101 (Reporting), 120 (Copy Reading), and 150 (Editorial Writing)—a total of twenty hours.

Shorthand and Typewriting.—All written work in the School of Journalism must be done on a typewriter. Both shorthand and typewriting are required for graduation. Prospective students may save themselves much time, however, by learning shorthand and typing before entering the University. Tests in each are given quarterly. Those passing the tests successfully are excused from the University courses.

Graduation.—The curriculum of the School of Journalism leads to the degree of bachelor of arts in journalism, for which 180 credits must be obtained, plus 10 hours in physical training or military science. Fifty of these credits must be in journalism, with an average class grade of 86 or better. At the discretion of the journalism faculty, any student not maintaining this grade may be dropped from the school. A written examination covering the required courses in journalism is required of seniors not less than two weeks before the end of the quarter preceding graduation. A student holding a bachelor's degree from a recognized college or university may obtain a degree in journalism by fulfilling the additional requirements. Usually the time demanded is not less than four quarters.

Graduate Study.—Advanced courses in journalism, history, economics, political science, sociology, and English are offered students wishing to take graduate study in preparation for newspaper work or teaching journalism. A wide demand exists in high schools, colleges, and universities for instructors adequately trained to teach journalism. The University library contains a large collection of bound newspapers and magazines and furnishes unusual opportunity for a historical study of American journalism. Special

provision is made for directing the work of graduate students interested in historical, political, psychological, or language studies in journalism. The courses required are determined by the nature and amount of undergraduate work the candidate has done in journalism and the phase of it in which he wishes to specialize, such as advertising, the business office, trade journalism, or the purely editorial field. A thesis constitutes one of the requirements. On completion of the requisite number of hours, the degree of master of arts in journalism is granted by the University.

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 particularly well 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. In general, however, students are advised to obtain as thorough a comprehension of the fundamentals of newspaper work and as broad a general education as possible rather than to attempt specialization in a limited field.

CURRICULUM¹

Requirements for the degree of bachelor of arts in journalism are scheduled below. The courses are arranged in the order in which they normally follow each other. Those with a double dagger are required. Those marked with a single dagger are regarded as essential. Others are suggested electives. The University requirements of Military Science and Physical Education must be met in addition to those noted below.

FIRST YEAR¹

<i>Architecture</i>	<i>Credits</i>	<i>Journalism</i>	<i>Credits</i>
3. Architectural Application.....	2	1. Journalism as a Profession.....	1
<i>Dramatic Art</i>		<i>Liberal Arts</i>	
5. Speaking Voice	3	1. †Introduction to Modern Thought..	5
<i>Economics</i>		<i>Mil. Sci. or Phys. Educ.</i>	
1. †General Economics	5	†Mil. Sci. or Phys. Educ.....	5
15. †Typewriting I	0	<i>Painting, Sculpture and Design</i>	
<i>English</i>		10,17,18. Art Appreciation.....	3
1. †Composition	5	<i>Political Science</i>	
64, 65. †Literary Backgrounds ²	10	1. †Comparative Government.....	5
<i>History</i>		<i>Science</i>	15
5-6. English Political and Social History	10	<i>Sociology</i>	
		1. †Introductory Sociology.....	5

SECOND YEAR

<i>Architecture</i>	<i>Credits</i>	<i>Journalism</i>	<i>Credits</i>
112, 113. Freehand Drawing.....	4	51. †News Writing	5
<i>Economics</i>		61. †Community Newspaper	3
59. Business Statistics	5	<i>Mil. Sci. or Phys. Educ.</i>	
61. Standards of Living.....	5	†Mil. Sci. or Phys. Educ.....	5
103. Money and Banking.....	5	<i>Music</i>	
62, 63. Accounting.....	10	13. Music Appreciation	5
106. Economics of Markets.....	5	6. History of Music.....	5
18, 19. †Shorthand II.....	0	<i>Philosophy</i>	
<i>English</i>		5. †Introduction to Logic ⁴	5
67, 68, 69. †Great American Writers..	6	<i>Psychology</i>	
<i>Foreign Language</i>	10	1. †General Psychology	5
<i>Greek</i>		<i>Science</i>	15
11. †Greek Civilization ³	5	<i>Sociology</i>	
<i>History</i>		53. The Family	3
57-58-59. †History of the United States	9	57. Child Welfare	3
71-72-73. Ancient History	9	62. Public Recreation	3
		63. Community Organization	5
		71. Immigration	5

¹If a student has not had in high school the sciences prescribed for junior standing in Liberal Arts, he is required to take ten hours of chemistry or physics and ten hours of botany or geology or zoology in the University. Students entering without foreign language are required to take twenty hours of a modern foreign language in the University without credit.

²English 66 may be substituted for either English 64 or English 65.

³Students who have taken, or who plan to take, three or more years of ancient language, may omit this requirement. Greek 13 or Latin 13 may be substituted respectively for Greek 11 or Latin 11.

⁴Philosophy 1 or Philosophy 3 may be substituted for this requirement.

THIRD YEAR

	Credits		Credits
<i>Architecture</i>		<i>Journalism</i>	
101-102-103. History of Architecture	6	130. †Fundamentals of Advertising...	5
<i>Astronomy</i>		131. †Display Advertising	5
1. General Astronomy.....	5	133. Advertising Typography	5
<i>Dramatic Art</i>		135. Publicity	2
101-102-103. Play Acting.....	15	136. †Comparative Journalism	3
111, 112, 113. Play Writing.....	15	138. †History of Journalism.....	5
<i>Economics</i>		140. †Business Office	5
54, 55, 56. †Business Law.....	9	<i>Foreign Language</i>	10
104. Economics of Transportation...	5	<i>Latin</i>	
105. Business Organization	5	11. †Roman Civilization*	5
138. Sales Management	5	<i>Oriental History</i>	
<i>English</i>		114, 115, 116. History of Religion....	9
70, 71. †Shakespeare ^s	6	<i>Philosophy</i>	
98. †The Bible as Literature.....	3	101-102-103. History of Philosophy...	9
104, 105, 106. Contemporary Literature	9	<i>Political Science</i>	
136, 137, 138. †Main Tendencies.....	9	111. History of Political Theory.....	3
<i>History</i>		112. American Political Theory.....	3
130. Europe, 1814-1870	5	113. Contemporary Public Thought..	3
131. Europe since 1870.....	5	121. Foreign Relations of the U.S....	3
147. Civil War Period.....	3	122. American Foreign Affairs.....	3
148. Reconstruction Period	3	123. International Relations	3
149. National Development	5	<i>Psychology</i>	
<i>Journalism</i>		100. Mental Tests	3
90, 91, 92. †Current Events.....	1	111. History of Psychology.....	2
101. †Reporting	5	126. Abnormal Psychology	3
104. †Newspaper Administration	2	<i>Romantic Language</i>	
105. The Sporting Page.....	2	118, 119, 120. Survey of French	
109. Literary and Dramatic		Literature	9
Reviewing	2	<i>Science</i>	9
115. †Elements of Publishing.....	3	<i>Sociology</i>	
120. †Copy Reading	5	130. The Social Survey.....	5
128. Work of the Foreign		131. Social Statistics	5
Correspondent	3		

FOURTH YEAR

	Credits		Credits
<i>Economics</i>		<i>Journalism</i>	
121. Corporation Finance	5	145. †Law of the Press.....	3
150. Railroad Finance	5	150. †Editorial Writing	5
161. American Labor Problems.....	5	160. Trade Journalism	5
162. European Labor Problems.....	5	170-171-172. Magazine and Feature	
168. History of Economic Thought..	5	Writing	6
175. Advanced Business Statistics...	5	173. The Short Story.....	3
198. Marketing and Advertising.....	5	174-175. Short Story Writing.....	6
<i>Education</i>		Ed. 160K. News Writing for Teachers	2
101. Introduction to Study of Educ..	5	<i>Political Science</i>	
161. History of Education.....	5	152. American Political Parties.....	5
163. American Education	5	154. Public Finance	3
<i>English</i>		161. Municipal Government	5
161-162-163. History of American		162. Municipal Administration	5
Culture.....	9	163. State Government	5
164, 165, 166. American Literature		<i>Science</i>	15
since 1870.....	9	<i>Sociology</i>	
174-175-176. †Nineteenth Century		155. Social Legislation	3
English Poetry	9	156. Criminology	3
<i>Foreign Language</i>	10		
<i>History</i>			
153. †The Pacific Rim.....	3		
163-164-165. †Northwestern History..	6		

Advertising.—Students expecting to make advertising a profession should elect the following courses from those scheduled above: Architecture 112, 113 (Freehand Drawing); Economics 106 (Economics of Markets); Economics 175 (Business Statistics); Economics 145 (Trade of the Americas); Journalism 130 (Fundamentals of Advertising); Journalism 131 (Display Advertising); Journalism 133 (Advertising Typography); Journalism 160 (Trade Journalism). All these will be found of particular value in advertising work.

*Students who have taken, or who plan to take, three or more years of ancient language, may omit this requirement. Greek 13 or Latin 13 may be substituted respectively for Greek 11 or Latin 11.

^sEnglish 72 may be substituted for either English 70 or English 71.

Short Story Writing.—Students interested particularly in short story writing should select as many as possible of the following courses, the first four in the order named: Journalism 51 (News Writing), Journalism 101 (Reporting), Journalism 170-2 (Magazine Writing), Journalism 173-5 (Short Story Writing), Dramatic Art 101-3 (Play Acting), Dramatic Art 111-113 (Play Writing), Psychology 1 (General Psychology), Psychology 118 (Folk Psychology), Psychology 126 (Abnormal Psychology), Psychology 131 (Child Psychology).

COURSES OF STUDY

For description of courses see Departments of Instruction section.

COLLEGE OF ENGINEERING

THE FACULTY, 1926-1927

Henry Suzzallo, Ph.D. (Columbia), LL.D. (California), LL.D. (British Columbia)..*President*
 David Thomson, B.A. (Toronto).....*Dean of Faculties*
 Carl Edward Magnusson, Ph.D. (Wisconsin), M.S., E.E. (Minnesota).....*Professor of Electrical Engineering; Director of Engineering Experiment Station; Dean of the College of Engineering*
 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 Structural Engineering*
 William Franklin Allison, B.S., C.E. (Purdue), C.E. (Cornell).....*Professor of Municipal and Highway Engineering*
 Henry Kreitzer Benson, Ph.D. (Columbia).....*Professor of Chemical Engineering*
 Edgar Allan Loew, E.E. (Wisconsin).....*Professor of Electrical Engineering*
 Frederick Kurt Kirsten, E.E. (Washington).....*Professor of Electrical Engineering*
 George Samuel Wilson, B.S. (Nebraska).....*Professor of Mechanical Engineering*
 Charles William Harris, C.E. (Cornell).....*Professor of Hydraulic Engineering*
 Arthur Melvin Winslow, Ph.B. (Brown), B.S. (Massachusetts Institute of Technology).....*Associate Professor of Mechanical Engineering*
 Charles Culbertson May, B.S., (C.E.) (Washington).....*Associate Professor of Civil Engineering and Architecture*
 Ira Leonard Collier, C.E. (Washington).....*Assistant Professor of Civil Engineering*
 Gordon Russell Shuck, E.E. (Minnesota).....*Assistant Professor of Electrical Engineering*
 Gilbert S. Schaller, B.S., (M.E.) (Illinois) M.B.A. (Washington).....*Assistant Professor of Shop Engineering*
 Elgin Roscoe Wilcox, Met.E. (Washington).....*Assistant Professor of Civil Engineering*
 Harry J. McIntyre, B.S. (M.E.) (Washington), M.B.A. (Washington)...*Assistant Professor of Mechanical Engineering*
 Warren L. Beuschlein, B.S. (Ch.E.) (California Institute of Technology), M.S. (Ch.E.) (Washington).....*Assistant Professor of Chemical Engineering*
 Frank M. Warner, B.S. (M.E.) (Wisconsin).....*Assistant Professor of General Engineering*
 Byron Towne McMinn, B.S. (Oregon Agricultural College).....*Assistant Professor of Mechanical Engineering*
 Robert H. G. Edmonds, B.S. (Whitman), B.S. (M.E.) (Washington)....*Assistant Professor of Mechanical Engineering*
 George Lisle Hoard, B.S. (E.E.) (Washington).....*Assistant Professor of Electrical Engineering*
 George S. Smith, B.S. (E.E.) (Washington)..*Assistant Professor of Electrical Engineering*
 Alfred Lawrence Miller, C.E. (Washington).....*Assistant Professor of Civil Engineering*
 James Baker Hamilton, B.S. (C.E.) (Washington).....*Instructor in Civil Engineering*
 Austin V. Eastman, B.S. (E.E.) (Washington).....*Instructor in Electrical Engineering*
 Roy E. Lindblom, B.S. (E.E.) (Washington).....*Instructor in Electrical Engineering*
 Sergius Amalleff, B.S. (M.E.) (Washington).....*Instructor in General Engineering*
 Hiram M. Chittenden, B.S. (C.E.) (Washington).....*Instructor in General Engineering*
 George E. Hawthorn, C.E. (Washington).....*Instructor in General Engineering*
 Joseph P. Dodd, B.S. (M.E.) (Washington).....*Instructor in General Engineering*
 Robert B. Van Horn, C.E. (Washington).....*Instructor in General Engineering*
 Frederick B. Farquharson, B.S. (M.E.) (Washington)....*Instructor in General Engineering*
 Elmer J. White, B.S. (M.E.) (Washington).....*Associate in General Engineering*
 Victorian Sivetz, Ph.D. (McGill).....*Instructor in Chemistry*
 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*
 Joseph Daniels, S.B. (Massachusetts Institute of Technology), M.S. (Lehigh)....*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).....*Associate Professor of Physics*
 Amy Violet Hall, A.B., A.M. (Washington).....*Associate in English*

COLLEGE OF ENGINEERING**GENERAL INFORMATION**

The purpose of the College of Engineering is to give thorough training in engineering fundamentals, so essential to success in all branches of the engineering profession, and to provide instruction for specialization in the main fields of engineering. For administrative purposes the college is divided into seven departments: aeronautical, chemical, civil, electrical, mechanical and general engineering and engineering shops. The College of Engineering offers six four-year curricula (see pp. 143-146) leading to the degree of bachelor of science in the respective branches of chemical, civil, electrical and mechanical engineering but all are required to take the fundamental subjects on which engineering is based. The curricula consist largely of required courses, but a sufficient number of electives are provided in the junior and senior years to give each student the training that will best serve his case.

The location of the University is particularly favorable for engineering students. Seattle and the Puget Sound region offer exceptional opportunities for the student engineer to observe the practical application of engineering principles in all lines. The many large and readily accessible hydro-electric power plants, electric transmission and distribution systems and the development of the state's vast water power resources, offer unexcelled opportunities for the study of power engineering. Airplane factories, iron and steel works, wood-pulp and lumber mills, nitrogen fixation plants, ship building yards, docks, waterways, steam and electric railways, bridges, buildings, and a great variety of industrial plants, give students in all fields abundant opportunities to study and observe the application of fundamental engineering principles.

GENERAL ENGINEERING

The freshman work is identical for all the curricula in the Colleges of Engineering and Mines and is given by the department of general engineering. The aim is to give the student an early contact with engineering situations in which he can make application of the fundamentals of mathematics and physics, and to assist him in the formation of good habits of work and study so that he may obtain maximum return on his investment in an engineering education. To assist in realizing these ideas individual work is insisted upon in all courses and the student is given much personal coaching by his instructors. As a part of the courses the various fields of engineering are discussed enabling the student to make a more intelligent choice of his particular line of work. This choice is made at the beginning of his sophomore year. Engineering problems (G.E. 11-12-13) are planned to obtain these results and comprise a distinctive feature of the college.

Another feature of the freshman year is the study given the personal traits and aptitudes of the individual student. This phase of the work is done by the freshman advisor who is also in charge of all the general engineering courses. His advice and assistance on their personal problems is available to all students in the department.

AERONAUTICAL ENGINEERING

* The courses in aeronautical engineering are arranged so as to give the student a thorough knowledge of the fundamentals of aerodynamics and an introduction into the practical design of heavier and lighter-than-air flying machines. A field trip to the local airplane factory, one of the largest in the country, and occasional lectures by experienced designers and active aeronautical engineers serve to familiarize the student with the latest developments in this branch of engineering.

CHEMICAL ENGINEERING

Chemical engineering is given under the direction of the department of chemistry with which it is closely associated. It deals with the unit processes of the manufacturing industry. Training in this subject includes not only general courses in engineering but also specific training in analytical, organic and physical chemistry. The application of chemical technique to manufacturing processes is made in specially developed courses in industrial chemistry and chemical engineering.

Chemical engineers are in charge of many important industries such as the manufacture of chemicals, petroleum products, the production of materials used in construction, fuels, paints, explosives and a great variety of organic products. The design of apparatus, chemical research, and the development of control methods play an important part in the career of the chemical engineer.

CIVIL ENGINEERING

Courses leading to the following branches of civil engineering are given:

Surveying, including the making of city and geological surveys, and surveys for engineering constructions.

Railroad Engineering, which deals with the location and construction of steam and electric railways and certain phases of their maintenance and operation.

Highway Engineering, which deals with the location, construction and maintenance of highways, including city streets and pavements.

Hydraulic Engineering, which deals with the laws governing the flow of water, and their applications to water supply of communities, to water power development, design of hydraulic machinery, river and harbor improvement, and the reclamation of land by drainage and irrigation.

Sanitary Engineering, which deals with problems relating to the protection and preservation of the health of communities, including the design of water supply and sewerage systems, and sewage disposal works.

Structural Engineering, which deals with the details of the design and construction of steel, concrete and wooden structures, such as bridges, buildings, dams, retaining walls, and their foundations.

Municipal Engineering, which includes certain phases of each of these branches.

ELECTRICAL ENGINEERING

Mastery of the basic laws of direct currents, alternating currents and electric transients is essential to progress in any branch of electrical engineering. The foundation for specialization in any field is laid in the required courses of the electrical engineering curriculum. Elective courses are offered in electric communication, telephones, telegraphs and radio, in illumination, electric machine design, electric railways, central stations and power transmission. The required and elective courses supplemented by seminars, thesis and research give ample opportunities for every student to follow his bent and secure training best suited to his talents. Special attention is given to the economic generation, transmission and distribution of hydro-electric power and to electric transients.

MECHANICAL ENGINEERING

The department of mechanical engineering aims to prepare the student to enter the various branches of mechanical engineering work including: design, operation and superintendence of machinery, fuel economy and power plants; structural materials; heating and ventilation; gas engineering; refrigeration; automobiles; commercial engineering; naval architecture and marine engineering.

ENGINEERING LABORATORIES

For description of laboratories see page 31.

REQUIREMENTS FOR ADMISSION

Correspondence.—Credentials and all correspondence relating to admission to any college or school of the University should be addressed to the Registrar, University of Washington. Full information concerning admission, registration, expenses, may be found on pages 42, 50, 52.

Freshman Standing.—Freshman standing in the University is granted to any recommended graduate of a four-year accredited secondary school who meets the scholarship requirements outlined on page 42.

In addition to the three units of English and the two units of mathematics required for admission to all colleges of the University all students expecting to enter the College of Engineering should elect their work so as to offer the following subjects:

Advanced algebra	½ unit
Solid geometry	½ unit
Physics	1 unit
Manual Training (woodwork)	½ unit

If the student does not include these subjects in his high school elections, it will be necessary for him to take them in the University in addition to the prescribed curriculum.

PREPARATION IN ALGEBRA FOR ENGINEERING

All students entering the College of Engineering will be tested in high school algebra by class work and by an examination given shortly after the beginning of the first quarter. It is essential that students in the engineering courses shall possess a good working knowledge of algebra *at the beginning of their course*, and it is the purpose of the test to secure this by requiring a review of the subject shortly before entering the University. Students failing in the test are not permitted to continue with regular freshman engineering mathematics, but are required to take a review of preparatory algebra (Math. 1, College of Science) during the first quarter.

In performing the fundamental operations of algebra, such as multiplication and division, the use of parentheses, the solving of numerical and literal equations of the first and second degrees, the simplification of fractions and radicals, and the putting of problems into equations, it is of the first importance that the student should have distinct notions of the meaning and reasons for all that he does, and be able to state them clearly in his own language. He should be able to perform all these operations, even though somewhat complex, with rapidity, accuracy, and neatness. In his preparatory studies the student is advised to solve a great many practical problems and to describe fully the reason for the steps taken.

CURRICULA AND DEGREES

The College of Engineering offers four-year curricula in each of the departments of chemical, civil, electrical and mechanical engineering leading to the degree of bachelor of science in the respective branches of engineering, as B.S. in civil engineering. A more general training leading to the degree of bachelor of science (B.S.) is scheduled under commercial engineering, and should be followed by a year of graduate work which, under the university regulations for advanced degrees, leads to the degree of master of science (M.S.).

Thesis.—The graduating thesis will consist of research or design in

some branch of engineering, or review of some existing construction. The subject must be approved by the professor in charge of the department under which it is classified.

Degrees 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 by 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 on graduates of this college, or other engineering colleges of recognized standing who complete a year (45 credit hours) of graduate work, including a satisfactory thesis, with the grade of A or B. The candidate must comply with regulations of the Graduate School and pass a formal examination open to all members of the faculty. Selection of work for this degree must, in each case, be approved by the head of the department in which the student majors and the Graduate Council.

The professional degrees, chemical engineer, (Ch.E.), civil engineer (C.E.), electrical engineer (E.E.), and mechanical engineer (M.E.), will be conferred in three years on graduates of this college holding the degree (B.S.) or (M.S.) in their respective lines, who give evidence of having been engaged continuously in acceptable engineering work and who present satisfactory theses.

CURRICULA OF THE COLLEGE OF ENGINEERING FOR THE FRESHMAN YEAR IN ALL DEPARTMENTS

FRESHMAN					
Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Trig. Math. 51.....	4	Alg. Math. 52.....	4	Anal. Geom. Math. 53...	4
Engr. Prob. G.E. 11....	3	Engr. Prob. G.E. 12....	3	Engr. Prob. G.E. 13....	3
Gen. Chem. 1 or 21....	3	Gen. Chem. 2 or 22....	5	Gen. Chem. 28.....	3
Drawing, G.E. 1.....	3	Drawing, G.E. 2.....	3	Surveying G.E. 21.....	3
Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%	
	16%		16%		16%

IN CHEMICAL ENGINEERING

Leading to the degree of Bachelor of Science in Chemical Engineering

FRESHMAN

The same for all curricula. See above.

SOPHOMORE

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Physics 97	5	Physics 98	5	Physics 99	5
Qual. Chem. 101	5	Quant. Chem. 109.....	5	Quant. Chem. 110.....	5
Mechanism—M.E. 81....	3	Steam Eng.—M.E. 82... 3		Steam Lab.—M.E. 83... 3	
Dif. Cal.—Math. 61 ... 3		Int. Cal.—Math. 62.... 3		Chem. Tech. Ch. 52.... 3	
Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%	
	17%		17%		17%

JUNIOR

Indus. Chem. 121.....	5	Indus. Chem. 122.....	5	Indus. Chem. 123.....	5
English 4	3	Org. Chem. 128.....	5	Org. Chem. 129.....	5
Mach. Design—M.E. 91. 2		Mach. Design—M.E. 92. 2		A.C. Cur.—E.E. 121... 4	
Dir. Cur.—E.E. 101.... 4		Mechanics—C.E. 131 ... 3		A.C. Lab.—E.E. 122... 2	
D.C. Lab.—E.E. 102.... 2					
	16		15		16

SENIOR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Phys. Chem. 181.....	5	Phys. and Theoret.		Chem. Engr 178.....	3
Chem. Engr. 171.....	5	Chem. 182	5	Pol. Sci. 101.....	2
Chem. Engr. Thesis 176	2	Chem. Engr. 172.....	5	Electives	11
Shop 55	1	Chem. Engr. Thesis 177	3		
Electives	3	Electives	3		
	16		16		16

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 143.

SOPHOMORE

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Mech.—C.E. 91	3	Mech.—C.E. 92	3	Mech.—C.E. 93	3
R.R. Surv.—C.E. 22....	4	Quant. Surv.—C.E. 71..	1	C.E. Draw.—C.E. 75... 1	
St. Engr.—M.E. 82.....	3	St. Engr. Lab.—M.E. 83	3	Econ.—B.A. 3	3
Physics 97	5	Physics 98	5	Physics 99	5
Mil. Sci. or Phys. Ed... 1%		Calc.—Math. 61	3	Calc.—Math. 62	3
		Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%	
	16%		16%		16%

JUNIOR

Hydraulics—C.E. 142 ..	5	Hydr. Engr.—C.E. 143..	3	Hydr. Mach.—C.E. 145. 3	
Higher Surv.—C.E. 113	3	Highways—C.E. 122 ...	3	Field Engr.—C.E. 114..	4
Structures—C.E. 134....	3	English 4	3	Water Sup.—C.E. 153..	3
Struc. Mat'ls.—C.E. 167	5	Dir. Cur.—E.E. 101....	4	Alt. Cur.—E.E. 121....	4
		D.C. Lab.—E.E. 102....	2	A.C. Lab.—E.E. 122....	2
	16		15		16

SENIOR

Sewerage—C.E. 154	3	Struct. Des.—C.E. 161..	3	Engr. Relat.—C.E. 169. 5	
Bus. Law—B.A. 54	3	C.E. 155 or C.E. 135..	3	C.E. 158 or C.E. 115..	3
C.E. 139	3	Thesis or Elective.....	5	Thesis or Elective	3
Pol. Sci. 101.....	2	Geol. 105	5	Electives	5
Elective	5				
	16		16		16

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

C.E. 126	5	C.E. 157	3	C.E. 160	3
				C.E. 164	5

IN ELECTRICAL ENGINEERING

Leading to the degree of Bachelor of Science in
Electrical Engineering

FRESHMAN

The same for all curricula. See page 143.

SOPHOMORE

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Physics 97	5	Physics 98	5	Physics 99	5
Dif. Calc.—Math. 61....	3	Int. Calc.—Math. 62... 3		Int. Calc.—Math. 63... 3	
Mechanism—M.E. 81 ...	3	El. Steam—M.E. 82... 3		Steam Lab.—M.E. 83... 3	
Mech. Des.—M.E. 91... 2		Mach. Des.—M.E. 92... 2		Mach. Des.—M.E. 93... 2	
Shop 53	1	Shop 54	1	Shop 55	1
Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%	
	15%		15%		15%

JUNIOR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
D.C.—E.E. 109	4	D.C.—E.E. 111	4	A.C.—E.E. 161	6
D.C. Lab.—E.E. 110... ..	2	D.C. Lab.—E.E. 112... ..	4	A.C. Lab.—E.E. 162	4
Mechanics—C.E. 131	3	Mechanics—C.E. 132	3	Mechanics—C.E. 133	3
English 4	3	Hydraulics—C.E. 142	5	Materials—M.E. 167	3
Electives	4				
	16		16		16

SENIOR

A.C.—E.E. 163	6	Trans.—E.E. 195, 196		Trans.—E.E. 198 or	
A.C.—E.E. 164	4	or Thesis 186	4	Thesis 188	2
Physics 114	3	Mach. Des.—E.E. 162... ..	3	Pol. Sci. 101	2
Electives	3	Electives	8	Electives	12
	16		16		16

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 143.

SOPHOMORE

Cal.—Math. 61	3	Cal.—Math. 62	3	Cal.—Math. 63	3
Physics 97	5	Physics 98	5	Physics 99	5
Mechanism—M.E. 81	3	El. Steam—M.E. 82... ..	3	Steam Lab.—M.E. 83... ..	3
Mach. Des.—M.E. 91... ..	2	Mach. Des.—M.E. 92... ..	2	Mach. Des.—M.E. 93... ..	2
Shop 53	1	Shop 54	1	Shop 55	1
Mil. Sci. or Phys. Ed... ..	1½	Mil. Sci. or Phys. Ed... ..	1½	Mil. Sci. or Phys. Ed... ..	1½
	15½		15½		15½

JUNIOR

Dir. Cur.—E.E. 101... ..	4	Alt. Cur.—E.E. 121... ..	4	Hydraulics—C.E. 142 ..	5
Dir. Cur. Lab.—E.E.102 ..	2	Alt. Cur. Lab.—E.E.122. 2		English 4	8
Exp. Eng.—M.E. 151... ..	3	Exp. Engr.—M.E. 152... ..	3	Exp. Engr.—M.E. 153... ..	3
Eng. & Boll.—M.E. 123. 3		Eng. & Boll.—M.E. 124 3		Mechanics—C.E. 133 ..	3
Mechanics—C.E. 131	3	Mechanics—C.E. 132	3	Shop 107	1
Shop 105	1	Shop 106	1		
	16		16		15

SENIOR

Bus. Law—B.A. 54... ..	3	Gas. Eng.—M.E. 198... ..	3	Power Plants—M.E. 184. 3	
Thermo. & Ref.—M.E.		Heat. & Vent.—M.E.182. 3		Steam Turb.—M.E.179.. 3	
183	5	Mach. Des.—M.E. 102... ..	2	Mach. Des.—M.E. 103	
Mach. Des.—M.E. 101... ..	2	Eng. Mat.—M.E. 167... ..	3	or 199	3
Pol. Sci. 101	2	Electives	5	Thesis 195	2-5
Electives	4			Electives	5-2
	16		16		16

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

IN NAVAL ARCHITECTURE AND MARINE ENGINEERING

Leading to the degree of Bachelor of Science in Naval Architecture
and Marine Engineering*

FRESHMAN

The same for all curricula. See page 143.

SOPHOMORE

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Cal.—Math. 61	3	Cal.—Math. 62	3	Cal.—Math. 63	3
Physics 97	5	Physics 98	5	Physics 99	5
Mechanism—M.E. 81	3	El. Steam—M.E. 82	3	Steam Lab.—M.E. 83... ..	3
Mach. Des.—M.E. 91... ..	2	Mach. Des.—M.E. 92	2	Mach. Des.—M.E. 93... ..	2
Shop 53	1	Shop 54	1	Shop 55	1
Mil. Sci. or Phys. Ed... ..	1½	Mil. Sci. or Phys. Ed... ..	1½	Mil. Sci. or Phys. Ed... ..	1½
	15½		15½		15½

*Will be given if a sufficient number of students elect the course.

College of Engineering

JUNIOR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Dir. Cur.—E.E. 101....	4	Alt. Cur.—E.E. 121... 4		Hydraulics—C.E. 142 ..	5
Dir. Cur. Lab.—E.E.102	2	Alt. Cur. Lab.—E.E.122	2	Exp. Eng.—M.E. 153... 3	
Exp. Eng.—M.E. 151... 3		Exp. Engr.—M.E. 152... 3		Nav. Arch.—M.E. 187... 3	
Nav. Arch.—M.E. 185... 3		Nav. Arch.—M.E. 186... 3		Mechanics—C.E. 133 ... 3	
Mechanics—C.E. 131 ... 3		Mechanics—C.E. 132... 3		Shop. 107	1
Shop 105	1	Shop 106	1		
	16		16		15

SENIOR

Bus. Law—B.A. 54....	3	Gas. Eng.—M.E. 198... 3		Mar. Eng.—M.E. 190 ..	3
Thermo. & Ref.—M.E.182	5	Heat. & Vent.—M.E.182	3	Steam Turb.—M.E. 179...	3
Ship Design—M.E. 188... 2		Ship Des.—M.E. 189... 2		Mech. Des.—M.E. 103... 3	
English	3	Eng. Mat.—M.E. 187... 3		Thesis	4
Electives	3	Pol. Sci. 101.....	2	Electives	3
	16		16		16

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 department of the College of Engineering.

Mathematics 51, 52, 53, 61, 62, 63, 13.....	26
Physics 97, 98, 99.....	15
Chemistry 1, 2, 23, or 21, 22, 23.....	15
English 4 (Certificate in English Composition).....	3
Military Science or Physical Education.....	10
General Engineering 1, 2, 11, 12, 13, 21.....	18
Electrical Engineering 101, 102, and 121, 122, or 161, 162.....	12
Engineering Shops 115.....	3
Mechanical Engineering 81, 82, 83, 91, 92, 93.....	15
Business Administration 1 or 3, 62, 63, 64, 55.....	19
Technical Electives (department in which the students is registered) ..	26
General Electives	25
Civil Engineering 131, 132.....	6
Political Science 101.....	2

Total.....195

Electives must in all cases be approved by the dean of the College of Engineering.

IN AERONAUTICAL ENGINEERING

Students desiring 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 of the College of Engineering.

COURSES OF STUDY

For description of courses see Departments of Instruction section.

ENGINEERING EXPERIMENT STATION

THE STAFF

Henry Suzzallo, Ph.D. (Columbia), LL.D. (California), LL.D. (British Columbia)..*President*
David Thomson, B.A. (Toronto).....*Dean of Faculties*
Carl Edward Magnusson, Ph.D. (Wisconsin), M.S., E.E. (Minnesota).....*Director*
Hugo Winkenwerder, M.F. (Yale).....*Forest Products*
Milnor Roberts, A.B. (Stanford).....*Mining and Metallurgy*
Frederick Kurt Kirsten, B.S., E.E. (Washington).....*Aeronautical Engineering*
Henry Kreitzer Benson, Ph.D. (Columbia)..*Chemical Engineering and Industrial Chemistry*
Charles William Harris, B.S. (Washington), C.E. (Cornell).....*Civil Engineering*
Edgar Allan Loew, B.S., E.E. (Wisconsin).....*Electrical Engineering*
George Samuel Wilson, B.S. (Nebraska).....*Mechanical Engineering*
Frederick Arthur Osborn, Ph.D. (Michigan).....*Physics Standards and Tests*

For description of the work of the Experiment Station, see page 38.

COLLEGE OF FINE ARTS

THE FACULTY, 1926-1927

Henry Suzzallo, Ph.D. (Columbia), LL.D. (California), LL.D. (British Columbia)...	<i>President</i>
David Thomson, B.A. (Toronto).....	<i>Dean of Faculties</i>
Irving Mackey Glen, A. M. (Oregon).....	<i>Professor of Music; Dean of the College of Fine Arts</i>
Carl Frelinghuysen Gould, A.B. (Harvard).....	<i>Professor of Architecture</i>
Moritz Rosen, Graduate (Warsaw Conservatory).....	<i>Associate Professor of Music</i>
Albert Franz Venino, (New York College, Stuttgart Conservatory, Leschetzky)...	<i>Associate Professor of Music</i>
Carl Paige Wood, A.M. (Harvard).....	<i>Associate Professor of Music</i>
Walter Isaacs, B.S. (F.A.) (James Millikin).....	<i>Associate Professor of Fine Arts</i>
Charles Culbertson May, B.S. (C.E.), (Washington).....	<i>Associate Professor of Architecture and Civil Engineering</i>
Frances Dickey, A.M. (Columbia).....	<i>Associate Professor of Music</i>
Louise Van Ogle (Leipzig; Godowsky; Bauer; Lhevinne)....	<i>Assistant Professor of Music</i>
Glenn Hughes, A.M. (Washington).....	<i>Assistant Professor of English and Dramatic Art</i>
Arthur Herrman, A.B. (Arch.), (Carnegie Institute of Technology).....	<i>Assistant Professor of Architecture</i>
Lancelot Gowen, A.M. (Arch.), (California).....	<i>Assistant Professor of Architecture</i>
Dudley Pratt, A.B. (Yale).....	<i>Assistant Professor of Fine Arts</i>
Charles Willson Lawrence, B.Bus. (Oberlin).....	<i>Assistant Professor of Music</i>
Eugenia Worman (Pratt Institute).....	<i>Associate in Fine Arts</i>
Ambrose Patterson.....	<i>Associate in Fine Arts</i>
Allee Bogardus, B.L. (Mills).....	<i>Associate in Music</i>
Albert Lovejoy, B.L.I. (Emerson College of Oratory).....	<i>Associate in Dramatic Art</i>
Luella Venino (Leschetzky).....	<i>Associate in Music</i>
Clara Belle Lynch.....	<i>Associate in Music</i>
Burton Wakeley James, (Cornell), (Emerson College of Oratory)..	<i>Associate in Dramatic Art</i>
Edna Mabon, Graduate (Conservatory of Music, Carleton College)...	<i>Associate in Music</i>
Margaret Crawford, A. M. (Columbia).....	<i>Associate in Dramatic Art</i>
Irene M. Neilson, B.Mus. (Washington).....	<i>Acting Associate in Music</i>
Albert Porter Adams.....	<i>Instructor in Music</i>
George C. Kirchner (Leipzig).....	<i>Instructor in Music</i>
Helen Rhodes, (Columbia).....	<i>Instructor in Design</i>
Hope Foote, A.M. (Columbia).....	<i>Instructor in Interior Decoration</i>
Anna Alfrida Storm, B.F.A. (Washington).....	<i>Instructor in Design</i>
Emily J. Kramer, M.A. (Columbia).....	<i>Instructor in Design</i>
Louise Benton Oliver, B.Mus. (Washington).....	<i>Assistant in Music</i>
Iris Fern Canfield, B.Mus. (Washington).....	<i>Assistant in Music</i>
Grace M. Bullock, A.B. (Washington).....	<i>Assistant in Music</i>
Marie Kueckenburg, (Milwaukee State Normal).....	<i>Assistant in Music</i>
Marjorie Kathleen McDonald, A.B. (Stanford).....	<i>Assistant in Music</i>

Everett Owen Eastwood, C.E., A.M. (Virginia), S.B. (Massachusetts Institute of Technology).....	<i>Professor of Mechanical Engineering</i>
David Connolly Hall, M.D. (Rush Medical College).....	<i>University Health Officer and Professor of Hygiene</i>
Charles Church More, M.S. (Lancette), M.C.E. (Cornell).....	<i>Professor of Structural Engineering</i>
Herbert E. Cory, Ph.D. (Harvard).....	<i>Professor of Liberal Arts</i>
Alexander Crippen Roberts, Ph.D. (Washington).....	<i>Professor of Education</i>
Thomas K. Sidey, Ph.D. (Chicago).....	<i>Associate Professor of Latin and Greek</i>
Charles Goggio, Ph.D. (Wisconsin).....	<i>Associate Professor of Romantic Languages</i>
Samuel Herbert Anderson, Ph.D. (Illinois).....	<i>Associate Professor of Physics</i>
Mary Emma Gross, A.M. (Columbia).....	<i>Associate Professor of Physical Education for Women</i>
Ernest Otto Eckelman, Ph.D. (Heidelberg).....	<i>Assistant Professor of Germanic Languages</i>
Harvey Bruce Denamore, A.B. (Oxford).....	<i>Assistant Professor of Greek</i>
Leslie Spier, Ph.D. (Columbia).....	<i>Assistant Professor of Anthropology</i>

GENERAL STATEMENT

This college comprises the departments of architecture, music, painting, sculpture, design, and dramatic art. The department of architecture offers a curriculum of four years leading to the degree of bachelor of arts in architecture, and two-year curriculum leading to a certificate in architectural design. In music there are curricula of four years leading to the degree of bachelor of music, with major in applied music, composition, or public school music, and to the degree of bachelor of arts in music. Curricula of four years are offered leading to the degree of bachelor of fine arts, with a major in painting and design, interior decoration, public school art, or painting. The department of dramatic art offers major courses in the study of the drama and dramatic interpretation, leading to the degrees of bachelor of arts in dramatic art and bachelor of fine arts with a major in dramatic art.

Normal Diploma.—In addition to their bachelor of music degree graduates in music may receive 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 institute.

Admission of Normal School Graduates to Advanced Standing.—Graduates of the two-year curriculum of approved normal schools may receive junior standing provided their credits meet the requirements of the University for entrance, scholarship standard, and credit hour load.

SCHOLARSHIPS

Scholarships in Piano Study.—Mr. A. F. Venino offers an annual scholarship to the candidate showing the greatest proficiency and promise in piano playing. The scholarship carries free tuition for one weekly lesson throughout the autumn, winter, and spring quarters. All candidates must submit their application in writing to Dean Glen before September 1. The competitive examination preliminary to the award will be held in the music Building at 2 p.m. of the Saturday before registration day.

Beecher Kiefer Memorial Scholarship is awarded annually to the most talented man student of violin. This award is subject to competition before a committee from the department of music. Applications should be made before June 1.

Mu Phi Epsilon Scholarship.—Mu Phi Epsilon, national honorary musical sorority, offers to a woman student a scholarship of one lesson a week for a school year, in either voice, piano, violoncello or organ.

Prior to the beginning of the fall term, a private tryout will be held before the committee of judges, which will be composed of three Mu Phi Epsilon members and two members of the faculty of the music department. The award will be made according to talent, personality, financial situation, promise, and general scholastic standing.

It is a requirement: (1) That the scholarship be awarded a University of Washington student of at least one year's attendance in the music department of the University.

(2) That the scholarship award, if won by (a) a senior, shall be paid back three years after the time of the award. (b) A junior, shall be paid back four years after the time of the award. (c) a sophomore, shall be paid back five years after the time of the award, in order to perpetuate and establish a permanent scholarship fund.

(3) That Mu Phi Epsilon members shall not be eligible for the competition.

The winner may select a teacher from the music faculty.

Applications must be sent to the Dean of the Fine Arts College before September 15 of each year.

REQUIREMENTS FOR ADMISSION

Correspondence.—Credentials and all correspondence relating to admission to any college or school of the University should be addressed to the Registrar, University of Washington. Full information concerning admission, registration, expenses, may be found on pages 42, 50, 52.

Freshman Standing.—Freshman standing in the University is granted to any recommended graduate of a four-year, accredited secondary school who meets the scholarship requirements outlined on page 42.

It is advisable that students intending to enter the course in architecture present credits for preparatory work in trigonometry and freehand drawing.

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.

Forty hours of foreign language either in the high school or in the University are 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.

The department of music offers examinations in sight singing, ear training, and elementary harmony for students who wish to attempt them, with a view of being excused from these required courses. These examinations will be held Friday, October 1, 1926, and applications must be filed with the Registrar in advance. Students who successfully pass the examinations will be expected to register for advanced courses in the same subjects.

CURRICULA

The following curricula present the requirements for the several degrees, arranged in suitable sequence. However, many of the five-hour courses are offered in two or more quarters, so that other sequences may be acceptable, and even necessary, provided that prerequisites are complied with and conflicts avoided.

FOR THE BACHELOR OF MUSIC DEGREE WITH A MAJOR IN APPLIED MUSIC

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Music 9 Sight Singing..	5	Music 13 Apprec.....	5	Music 6 History.....	5
18 Applied	3	19 Applied	3	20 Applied	3
L.A. 11 or Elect.....	5	English 2	3	English 3	3
English 1	3	For. Lang.	5	For. Lang.	5
Phys. Ed. or Mil. Sci... 1½		Phys. Ed. or Mil. Sci... 1½		Phys. Ed. or Mil. Sci... 1½	
	17½		17½		17½

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

Curricula

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SECOND YEAR

Autumn Quarter		Credits	Winter Quarter		Credits	Spring Quarter		Credits
Music 10 Cho. or Elect..	1		*Music 11 Cho. or Elect..	1		*Music 12 Cho. or Elect..	1	
16 Ear Training	5		51 Harmony	5		53 Harmony	5	
68 Applied	3		59 Applied	3		70 Applied	3	
Ec. Pol. Sci. or Soc....	5		For. Lang.	5		For. Lang.	5	
Phys. Ed. or Mil. Sci... 1%			Phys. Ed. or Mil. Sci... 1%			Phys. Ed. or Mil. Sci... 1%		
		15%			15%			15%

THIRD YEAR

Music 10 Cho. or Elect..	1		*Music 11 Cho. El....	1		*Music 12 Cho. or El...	1	
101 Harmony	5		109 Counterp.	5		117 Composition	5	
104 Adv. Hist.	2		105 Adv. Hist.....	2		106 Adv. Hist.	2	
118 Applied	3		119 Applied	3		120 Applied	3	
112 Form	5		Physics 50	5		Physics 51	5	
		16			16			16

FOURTH YEAR

Music 151 Adv. Apprec. 2			Music 152 Adv. Appr.. 2			Music 153 Adv. Appr... 2		
168 Applied	3		169 Applied	3		170 Applied	3	
Phil. 129 Aesth.	5		157 Composition	5		199 Recital	2	
Elective	5		Elective	5		Elective	6	
		15			15	Pol. Sci. 101.....	2	
		15			15			15

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

FIRST YEAR

Autumn Quarter		Credits	Winter Quarter		Credits	Spring Quarter		Credits
Lib. Arts 11 or Elect..	5		Mus. 18 Appre.....	5		Mus. 9 Sight Sing.....	5	
Mus. 18 Applied	3		19 Applied	3		20 Applied	3	
10 Chorus or Elect....	1		*11 Chorus or El....	1		*12 Chorus or El.....	1	
English 1 Composition..	3		English 2 Composition..	3		English 3 Composition..	3	
Elective	3		Elective	3		Mus. 6 History.....	5	
Phys. Ed. or Mil. Sci... 1%			Phys. Ed. or Mil. Sci... 1%			Phys. Ed. or Mil. Sci... 1%		
		16%			16%			18%

SECOND YEAR

Mus. 10 or El.....	1		*Mus. 11 Chor. or El....	1		*Mus. 12 Chor. or El... 1		
16 Ear Train.....	5		51 Harmony	5		53 Harmony	5	
Econ. or Pol. or Soc. Sci.	5		Physics 50 Sound	5		58 School Music.....	5	
For. Lang.	5		For. Lang.	5		Physics 51 Sound.....	5	
Phys. Ed. or Mil. Sci... 1%			Phys. Ed. or Mil. Sci... 1%			Phys. Ed. or Mil. Sci... 1%		
		17%			17%			17%

THIRD YEAR

Mus. 68 Applied	3		Mus. 69 Applied	3		Mus. 70 Applied	3	
101 Harmony	5		114 Mus. Educ.	2		112 Form	5	
113 Mus. Educ.	2		Educ. 101	5		Educ. 100N	2	
For. Lang.	5		For. Lang.	5		Educ. 140	5	
		15			15			15

FOURTH YEAR

Music 151 Adv. Appre.. 2			Music 152 Adv. Appre.. 2			Music 153 Adv. Apprec.. 2		
154 Mus. Superv.	2		155 Mus. Superv.	2		156 Mus. Superv.....	2	
109 Counterpoint	5		117 Composition	5		Educ. 145	5	
Phil 129 Aesthetics	5		Educ. 119	3		Elective	5	
		14	Pol. Sci. 101	2				14
		14			14			14

*Only those who have successfully completed the work in Music 11 will be eligible for registration in Music 12.

†The completion of this course will entitle the graduate to receive the University normal diploma.

FOR THE BACHELOR OF MUSIC DEGREE WITH A MAJOR IN COMPOSITION

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Lib. Arts 11 or El.... 5		Music 13 Apprec..... 5		Mus. 9 Sight Singing... 5	
For. Lang. 5		For. Lang. 5		6 Mus. Hist. 5	
Mus. 18 Applied 3		Mus. 19 Applied..... 3		20 Applied 3	
English 1 3		English 2 3		English 3 3	
Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%	
	17%		17%		17%

SECOND YEAR

Music 10 Chorus or El.. 1		*Music 11 Chorus or El. 1		*Music 12 Chorus or El. 1	
16 Ear Training 5		51 Harmony 5		53 Harmony 5	
For. Lang. 5		For. Lang. 5		Elective 3	
Econ. or Pol. or Soc.Sci. 5		Physics 50 Sound..... 5		Physics 51 Sound..... 5	
Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%	
	17%		17%		15%

THIRD YEAR

Music 10 Chorus or El. 1		*Music 11 Chorus or El. 1		*Music 12 Chorus or El. 1	
68 Applied 3		69 Applied 3		70 Applied 3	
104 Adv. Hist. 2		105 Adv. Hist. 2		106 Adv. Hist. 2	
101 Harmony 5		109 Counterpoint 5		117 Composition 5	
112 Form 5		Elective 4		Elective 4	
	16		15		15

FOURTH YEAR

Music 151 Adv. Apprec. 2		Music 152 Adv. Apprec. 2		Music 153 Adv. Apprec. 2	
163 Polyphonic Forms 5		157 Composition 5		197 Adv. Comp..... 5	
Philos. 129 Aesth..... 5		173 Orchestration 5		Elective 5	
Elective 3		Elective 3		Pol. Sci. 101..... 2	
	15		15		14

FOR THE DEGREE OF BACHELOR OF ARTS IN MUSIC

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
**Music elective 5		**Music elective 5		Lib. Arts 11 or Elec... 5	
English 1 3		English 2 3		English 3 3	
Science 5		Science 5		For. Lang. 5	
Elective 2		Elective 2		Elective 2	
Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%	
	16%		16%		16%

SECOND YEAR

**Music elective 5		**Music elective 5		**Music elective 5	
Econ. or Pol. or Soc.Sci. 5		Physics 50 5		Physics 51 5	
For. Lang. 5		For. Lang. 5		For. Lang. 5	
Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%	
	16%		16%		16%

THIRD YEAR

**Music elective 5		**Music elective 5		**Music elective 5	
‡Lib. Arts elective.....10		‡Lib. Arts elective.....10		‡Lib. Arts elective.....10	
	15		15		15

FOURTH YEAR

**Music elective 5		**Music elective 5		**Music elective 5	
Philosophy 129 5		‡Lib. Arts elective 8		‡Lib. Arts elective .....10	
Free elective 5		Pol. Sci. 101 2			
	15		15		15

*Only those who have successfully completed the work in Music 11 will be eligible for registration in Music 12.

** (1) Among the music courses indicated above the following are required: 6, 9, 13, 16, 51, 53, 101, 117.

‡Liberal Arts electives for the junior and senior years must be in upper division courses except with the consent of the dean.

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

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Arch. 1 Arch. Apprec... 2		Arch. 2 Arch. Apprec... 2		Arch. 3 Arch. Apprec... 2	
4 Elem. of Design... 4		5 Elem. of Design... 4		6 Elem. of Design... 4	
7 Graphics 1		8 Graphics 1		9 Graphics 1	
47 Elem. Build. Con.. 3		48 Elem. Build. Con.. 3		Foreign Language 5	
P.S.D. 72 Sculpture... 3		P.S.D. 6 Drawing 3		P.S.D. 7 Drawing 3	
Eng. 1 Rhet. & Comp... 3		Eng. 2 Rhet. & Comp... 3		Eng. 3 Rhet. & Comp.. 3	
Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%	
17%		17%		19%	

SECOND YEAR

Arch. 51 Hist. of Arch. 2		Arch. 52 Hist. of Arch. 2		Arch. 53 Hist. of Arch. 2	
54 Design, Gr. I.... 3		55 Design, Gr. I.... 3		56 Design, Gr. I.... 3	
60 Working Drawings. 2		61 Working Drawings. 2		62 Working Drawings. 2	
Math. 54 Trigonometry.. 3		Math. 55 Algebra 3		Math. 56 Anal. Geom.. 3	
Foreign Language 5		Foreign Language 5		Foreign Language 5	
Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%	
16%		16%		16%	

THIRD YEAR

Arch. 101 Hist. of Arch. 2		Arch. 102 Hist. of Arch. 2		Arch. 103 Hist. of Arch. 2	
104 Design, Gr. II... 5		105 Design, Gr. II... 5		106 Design, Gr. II... 5	
112 Freehand Draw... 2		113 Freehand Draw... 2		114 Water Color 2	
C.E. 130 Theory of Con. 3		117 Build. Const. ... 3		118 Build. Const. 3	
Phys. 1 General..... 4		Phys. 2 General 5		Phys. 113 Acous. & Ill. 4	
16		17		16	

FOURTH YEAR

Arch. 151 Hist. of Arch. 2		Arch. 152 Theory of Ar. 2		Arch. 153 Ar. Materials. 2	
154 Design, Gr. III.. 7		155 Design, Gr. III.. 7		116 Spec. & Off. Pr. 2	
160 Pencil Sketch ... 1		162 Modelling 1		156 Thesis & Sem... 8	
B.A. 54 Bus. Law..... 3		C.E. 106 San. & Plumb. 2		161 Pencil Sketch... 1	
B.E. 105 Elec. Wiring.. 2		P.S.D. 161 Lift Draw... 3		163 Modelling 1	
P.S.D. 160 Life Draw.. 3		Pol. Sci. 101 2		M.E. 107 Heat. & Vent.. 2	
18		17		16	

SPECIAL CURRICULUM IN ARCHITECTURAL DESIGN

This curriculum, normally of two years' duration and leading to a certificate in architectural design, is intended for specially qualified students who have had an equivalent of three years in the office of a recognized architect or architects. Students entering the course should be required to meet the entrance requirements of the University for regular or special students. The faculty of the department of architecture will have the right to examine any candidate for admission to this course, to determine his qualifications and ability to pursue this course.

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Arch. 54 Design, Gr. I.. 3		Arch. 55 Design, Gr. I. 3		Arch. 104 Design, Gr. II 3	
7 Graphics 1		8 Graphics 1		9 Graphics 1	
51 Hist. of Arch. 2		52 Hist. of Arch. 2		53 Hist. of Arch. 2	
P.S.D. 5 Drawing 3		P.S.D. 6 Drawing 3		P.S.D. 72 Sculpture... 3	
Eng. 1 Rhet. & Comp.. 3		Eng. 2 Rhet. and Comp. 3		Eng. 3 Rhet. and Comp. 3	
B.A. 54 Bus. Law..... 3		C.E. 106 San. & Plumb. 2		Arch. 114 Water Color.. 2	
Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%	
16%		15%		17%	

College of Fine Arts

SECOND YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Arch. 105 Design, Gr. I. 5		Arch. 154 Des., Gr. III 7		Arch. 155, Des., Gr. III. 7	
101 Hist. of Arch.... 2		102 Hist. of Arch.... 2		103 Hist. of Arch.... 2	
100 Pencil Sketch.... 1		162 Modelling 1		163 Modelling 1	
151 Hist. of Arch.... 2		152 Theory of Ar.... 2		116 Spec. and Off. Pr. 2	
P.S.D. 160 Life Draw... 3		P.S.D. 161 Life Draw... 3		M.E. 107 Heat. & Vent. 2	
Pol. Sci. 101 Fed. and State Gov. 2		Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%	
Phys. Ed. or Mil. Sci... 1%					
16%		16%		15%	

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

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
P.S.D. 5 Drawing..... 3		P.S.D. 6 Drawing 3		P.S.D. 7 Drawing..... 3	
9 Art Struc. 3		10 Art Struc. 3		11 Art Struc. 3	
English Composition 3		English Composition 3		English Composition 3	
Foreign Language 5		Foreign Language 5		Foreign Language 5	
Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%	
15%		15%		15%	

SECOND YEAR

P.S.D. 53 Art Struc.... 3	P.S.D. 54 Art Struc.... 3	P.S.D. 55 Art Struc.... 3
56 Drwg. and Ptg.... 3	57 Drawing and Ptg.. 3	58 Drawing and Ptg.. 3
Foreign Language 5	Greek or Rom. Art.... 1	Greek or Roman Art.... 1
Greek or Rom. Art.... 1	Phys. Ed. or Mil. Sci... 1%	Phys. Ed. or Mil. Sci... 1%
Phys. Ed. or Mil. Sci... 1%	Electives 3	Electives 3
Electives 3		Lib. Arts 11 or Elec... 5
16%	16%	16%

THIRD YEAR

P.S.D. 126 Hist. of Ptg. 1	P.S.D. 127 Hist. of Ptg. 1	P.S.D. 218 Hist. of Ptg. 1
107 Portrait 3	108 Portrait 3	109 Portrait 3
103 Pottery or 3	104 Pottery, or 3	Arch. 8 Arch. Apprec... 2
157 Metalwork 3	158 Jewelry 3	Laboratory Sci. 5
Pol. Sci., Ec. or Soc... 5	Laboratory Sci. 5	Electives 4
Electives 3	Electives 3	
15	15	15

FOURTH YEAR

P.S.D. 160 Life 3	P.S.D. 161 Life 3	P.S.D. 162 Life 3
116 Illustration, or 3	151 Art Struc., or 3	152 Art Struc., or 3
166 Art Struc. 3	167 Art Struc..... 3	168 Art Struc. 3
Electives 10	Electives 3	Electives 10
	Pol. Sci. 101..... 2	
16	16	16

FOR THE DEGREE OF BACHELOR OF FINE ARTS WITH A MAJOR
IN PUBLIC SCHOOL 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.S.D. 5 Drawing..... 3		P.S.D. 6 Drawing..... 3		P.S.D. 7 Drawing 3	
9 Art Struc. 3		10 Art Struc. 3		11 Art Struc. 3	
English Composition 3		English Composition 3		English Composition 3	
Foreign Language 5		Foreign Language 5		Foreign Language 5	
Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%	
15%		15%		15%	

SECOND YEAR

P.S.D. 53 Art Struc.... 3	P.S.D. 54 Art Struc.... 3	P.S.D. 55 Art Struc.... 3
56 Drawing and Ptg.. 3	57 Drawing and Ptg.. 3	58 Drawing and Ptg.. 3
Foreign Language 5	Pol. Sci., Ec., or Soc... 5	Phys. Ed. or Mil. Sci... 1%
Phys. Ed. or Mil. Sci... 1%	Phys. Ed. or Mil. Sci... 1%	Electives 4
Electives 3	Electives 3	Lib. Arts. 11 or Elect. 5
15%	15%	16%

THIRD YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
P.S.D. 107 Portrait 3		P.S.D. 108 Portrait 3		P.S.D. 109 Portrait 3	
126 Hist. of Ptg. 1		127 Hist. of Ptg. 1		128 Hist. of Ptg. 1	
103 Pottery, or		104 Pottery, or		Greek or Rom. Art. 1	
157 Metalwork 3		158 Jewelry 3		Educ. 140 5	
Greek or Rom. Art. 1		Greek or Rom. Art. 1		Laboratory Sci. 5	
Educ. 101 5		Laboratory Sci. 5			
Electives 3		Electives 3			
	16		16		16

FOURTH YEAR

P.S.D. 105 Art Struc. 3	P.S.D. 106 Art Struc. 3	P.S.D. 152 Art Struc. 3
101 Pub. Sch. Art. 2	151 Art Struc. 2	Educ. 160P 2
Philosophy 129 5	102 Pub. Sch. Art. 3	Educ. 145 5
Electives 6	Educ. 119 3	Electives 4
	Electives 5	Pol. Sci. 101 2
	16	16

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

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
P.S.D. 5 Drawing 3		P.S.D. 6 Drawing 3		P.S.D. 7 Drawing 3	
9 Art Struc. 3		10 Art Struc. 3		11 Art Struc. 3	
English Composition 3		English Composition 3		English Composition 3	
Foreign Language 5		Foreign Language 5		Foreign Language 5	
Phys. Ed. or Mil. Sci. 1½		Phys. Ed. or Mil. Sci. 1½		Phys. Ed. or Mil. Sci. 1½	
	15½		15½		15½

SECOND YEAR

P.S.D. 59 Hshld Des. 3	P.S.D. 60 Hshld Des. 3	P.S.D. 61 Hshld Des. 3
Arch. 1 Appreciation 2	Arch. 2 Arch. Apprec. 2	Arch. 3 Arch. Apprec. 2
4 Elem. of Des. 4	5 Elem. of Arch. 4	6 Elem. of Arch. 4
7 Graphics 1	8 Graphics 1	9 Graphics 1
P.S.D. 80 Furn. Des. 2	P.S.D. 81 Furn. Des. 2	P.S.D. 82 Furn. Des. 2
Foreign Language 3	Foreign Language 2	Electives 3
Phys. Ed. or Mil. Sci. 1½	Elective 1	Phys. Ed. or Mil. Sci. 1½
	Phys. Ed. or Mil. Sci. 1½	
	16½	16½

THIRD YEAR

P.S.D. 110 Int. Dec. 3	P.S.D. 111 Int. Dec. 3	P.S.D. 112 Int. Dec. 3
Arch. 101 History 2	Arch. 102 History 2	Arch. 103 History 2
Pol. Sci., Soc. or Ec. 5	Lab. Science 5	Lab. Science 5
Lib. Arts 11 or electives 5	Electives 5	H.E. 25 Textiles 5
	15	15

FOURTH YEAR

P.S.D. 172 Int. Dec. 5	P.S.D. 173 Int. Dec. 5	P.S.D. Int. Dec. 5
126 Hist. of Ptg. 1	127 Hist. of Ptg. 1	128 Hist. of Ptg. 1
Greek or Roman Art. 1	Greek or Roman Art. 1	Greek or Roman Art. 1
H.E. 143 House Furn. 3	Electives 9	Electives 7
Electives 6		Pol. Sci. 101 2
	16	16

MAJOR IN PAINTING

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
P.S.D. 5 Drawing 3		P.S.D. 6 Drawing 3		P.S.D. 7 Drawing 3	
9 Art Struc. 3		10 Art Struc. 3		10 Art Structure 3	
English Composition 3		English Composition 3		English Composition 3	
Foreign Language 5		Foreign Language 5		Foreign Language 5	
Phys. Ed. or Mil. Sci. 1½		Phys. Ed. or Mil. Sci. 1½		Phys. Ed. or Mil. Sci. 1½	
	15½		15½		15½

College of Fine Arts

SECOND YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
P.S.D. 56 Painting 3		P.S.D. 57 Painting.... 3		P.S.D. 58 Painting.... 3	
65 Draw. & Ptg.... 3		66 Draw. & Ptg.... 3		67 Draw. & Ptg.... 3	
Greek or Roman Art... 1		Greek or Roman Art... 1		Greek or Roman Art... 1	
Foreign Language 5		Electives 9		Lib. Arts 11 or elective. 5	
Phys. Ed. or Mil. Sci... 1½		Phys. Ed. or Mil. Sci... 1½		Electives 4	
Electives 4				Phys. Ed. or Mil. Sci... 1½	
	17½		17½		17½

THIRD YEAR

P.S.D. 105 Art Struc... 3	P.S.D. 106 Art Struc... 3	Arch. 3 Arch. Apprec... 2
107 Portrait 3	108 Portrait 3	P.S.D. 109 Portrait.... 3
126 Hist. of Ptg.... 1	127 Hist. of Ptg.... 1	128 Hist. of Ptg.... 1
Pol. Sci., Ec., or Soc... 5	Laboratory Science ... 5	Laboratory Science ... 5
Electives 3	Electives 3	Electives 4
	15	15

FOURTH YEAR

P.S.D. 160 Life..... 3	P.S.D. 161 Life..... 3	P.D.S. 162 Life 3
163 Comp. 3	164 Comp. 3	165 Comp. 3
Electives 10	Electives 10	Electives 8
		Pol. Sci. 101..... 2
	16	16

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

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Dramatic Art 9..... 2		Dramatic Art 107..... 5		English 3 Composition .. 3	
English 1 Composition... 3		English 2 Composition... 3		Foreign Language 5	
Dramatic Art 5..... 5		Chem., Bot. or Zool... 5		Electives 7	
Chem., Bot. or Zool... 5		Phys. Ed. or Mil. Sci... 1½		Phys. Ed. or Mil. Sci... 1½	
Phys. Ed. or Mil. Sci... 1½		Electives 2			
	16½		16½		16½

SECOND YEAR

Dramatic Art 61..... 5	Dramatic Art 62 5	Dramatic Art 63..... 5
Foreign Language 5	Psychology 1 5	Pol. Sci., Soc. or Econ... 5
Lib. Arts 11 or electives 5	Foreign Language 5	Foreign Language 5
Phys. Ed. or Mil. Sci... 1½	Phys. Ed. or Mil. Sci... 1½	Phys. Ed. or Mil. Sci... 1½
	16½	16½

THIRD YEAR

Electives 5	Electives 5	Electives 5
Dramatic Art 104..... 5	Dramatic Art 105..... 5	Dramatic Art 106..... 5
127 5	Lib. Art Electives..... 5	Lib. Art Electives..... 5
	15	15

FOURTH YEAR

Dramatic Art 101..... 5	Dramatic Art 102..... 5	Dramatic Art 103..... 5
151 Dram. Form..... 3	152 Dram. Form..... 3	153 Dram. Form..... 3
Lib. Arts Electives.... 7	Lib. Arts Electives.... 7	Education 160L..... 2
		Lib. Arts Electives.... 3
		Pol. Sci. 101..... 2
	15	15

CURRICULUM LEADING TO THE DEGREE OF BACHELOR OF FINE ARTS
WITH A MAJOR IN DRAMATIC ART

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Dramatic Art 9..... 2		Dramatic Art 107..... 5		English 3 Composition .. 3	
English 1 Composition... 3		English 2 Composition... 3		Foreign Language 5	
Dramatic Art 5..... 5		Chem., Bot. or Zool... 5		Electives 2	
Chem., Bot. or Zool... 5		Phys. Ed. or Mil. Sci... 1½		Phys. Ed. or Mil. Sci... 1½	
Phys. Ed. or Mil. Sci... 1½		Electives 2		Dramatic Art 108..... 5	
	16½		16½		16½

Liberal Arts electives for the junior and senior years must be in upper division courses except with the consent of the dean.

SECOND YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Dramatic Art 61.....	5	Dramatic Art 62	5	Dramatic Art 63.....	5
Foreign Language	5	Psychology 1	5	Pol. Sci., Soc. or Econ..	5
Lib. Arts 11 or electives	5	Foreign Language	5	Foreign Language	5
Phys. Ed. or Mil. Sci... 1½		Phys. Ed. or Mil. Sci... 1½		Phys. Ed. or Mil. Sci... 1½	
	<u>16½</u>		<u>16½</u>		<u>16½</u>

THIRD YEAR

Dramatic Art Electives..	5	Dram. Art Electives...	5	Dramatic Art Electives..	5
Dramatic Art 127.....	5	Dramatic Art 105.....	5	Dramatic Art 106.....	5
104	5	Electives	5	Electives	5
	<u>15</u>		<u>15</u>		<u>15</u>

FOURTH YEAR

Dramatic Art 101	5	Dramatic Art 102.....	5	Dramatic Art 103.....	5
151	3	152	3	153	3
Phil. 129 (Aesthetics)..	5	Electives	7	Education 160L	2
Electives	2			Electives	3
	<u>15</u>		<u>15</u>	Pol. Sci. 101.....	2
					<u>15</u>

COURSES OF STUDY

For description of courses see Departments of Instruction section.

COLLEGE OF FISHERIES

THE FACULTY, 1926-1927

Henry Suzzallo, Ph.D. (Columbia), LL.D. (California).....*President*
 David Thomson, B.A. (Toronto).....*Dean of Faculties*
 John N. Cobb.....*Professor of Fisheries; Dean of the College of Fisheries*
 -----*Associate Professor of Fish Preservation*
 Donald R. Crawford, B.S. (Washington).....*Instructor in Fish Culture*
 -----*Instructor in Fisheries*

Trevor Kincaid, A.M. (Washington).....*Professor of Zoology*
 Frederick Morgan Padelford, Ph.D. (Yale).....*Professor of English and Dean of the Graduate School*
 Frederick Arthur Osborn, Ph.D. (Michigan).....*Professor of Physics and Director of the Physics Laboratories*
 Charles Willis Johnson, Ph.C., Ph.D. (Michigan).....*Professor of Pharmaceutical Chemistry, Dean of the College of Pharmacy, and State Chemist*
 Theodore Christian Frye, Ph.D. (Chicago).....*Professor of Botany*
 Everett Owen Eastwood, C.E., A.M. (Virginia), S.B. (Massachusetts Institute of Technology).....*Professor of Mechanical Engineering*
 David Connolly Hall, M.D. (Chicago).....*University Health Officer; Professor of Hygiene*
 Henry Kretzer Benson, Ph.D. (Columbia).....*Professor of Chemical Engineering*
 John Weinzirl, Ph.D. (Wisconsin), Dr.P.H. (Harvard).....*Professor of Bacteriology*
 Leslie James Ayer, J.D. (Chicago).....*Professor of Law*
 William Maurice Dehn, Ph.D. (Illinois).....*Professor of Organic Chemistry*
 George McPhail Smith, Ph.D. (Freiburg).....*Professor of Inorganic Chemistry*
 William Daniel Moriarty, Ph.D. (Chicago).....*Professor of Business Administration*
 William Edward Cox, A.M. (Texas).....*Professor of Business Administration*
 George Samuel Wilson, B.S. (Nebraska).....*Professor of Mechanical Engineering*
 George Burton Rigg, Ph.D. (Chicago).....*Associate Professor of Botany*
 Herman Vance Tartar, B.S. (Oregon Agricultural College).....*Associate Professor of Chemistry*
 Macy Millmore Skinner, Ph.D. (Harvard).....*Associate Professor of Business Administration*
 Thomas G. Thompson, Ph.D. (Washington).....*Associate Professor of Chemistry*
 Elgin Roscoe Wilcox, Met.E. (Washington).....*Assistant Professor of Civil Engineering*
 George Irving Gavett, C.E. (Michigan).....*Assistant Professor of Mathematics*
 Eli Victor Smith, Ph.D. (Northwestern).....*Assistant Professor of Zoology*
 John Earl Guberlet, Ph.D. (Illinois).....*Assistant Professor of Zoology*
 Raymond Forrest Farwell, M.A. (Washington).....*Instructor in Maritime Commerce*
 Sargent Powell, Ph.D. (Illinois).....*Instructor in Chemistry*
 Warren Lord Beuschlein, B.S. (Ch.E.) (California Institute of Technology).....*Instructor in Chemical Engineering*

GENERAL STATEMENT

The College of Fisheries was established in 1919. It has a two-fold purpose: First, to afford instruction in the principles and practice 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 location of the college has exceptional advantages. The University campus is situated on the shores of Lakes Washington and Union, which are connected with each other and with Puget Sound by canals. Extensive commercial fisheries for fishes, oysters, clams and crabs are conducted in Puget Sound, while fleets of vessels with headquarters at Seattle and nearby cities carry on extensive fisheries in the ocean adjacent to the Washington coast, and on the fishing banks of Alaska. Numerous canneries, smoke-houses, cold storage plants and fertilizer plants are to be found in Seattle and other places on the Sound. A number of fish hatcheries are owned and operated in the state of Washington by the federal, state and county governments. At Friday Harbor the University owns and operates an excellent marine biological station. These many advantages present unrivaled opportunities for study of fisheries, aquatic life and fish culture.

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 on any graduate of the four-year curricula who has completed at least one year of graduate work and presented a satisfactory thesis with the grade of A or B. A graduate of any other institution of equal rank will be given full graduate standing, but he must have a satisfactory knowledge of zoology, chemistry, bacteriology, and botany. Selection of work for this degree must be approved by the director of the college. Before being recognized as a candidate for an advanced degree, a student must appear before a committee appointed by the dean of the Graduate School, who shall determine the student's fitness for such work and confer with him upon his proposed course of study.

REQUIREMENTS FOR ADMISSION

Correspondence.—Credentials and all correspondence relating to admission to any college or school of the University should be addressed to the Registrar, University of Washington. Full information concerning admission, registration, expenses, may be found on pages 42, 50, 52.

Freshman Standing.—Freshman standing in the University is granted to any recommended graduate of a four-year accredited secondary school who meets the scholarship requirements outlined on page 42.

Advanced Standing.—Credit will be given for subjects pursued at other colleges of recognized rank upon presentation to the registrar of certificates that such subjects have been satisfactorily completed. Graduates in this institution and others of similar rank are admitted to graduate standing.

Short Courses for Fishermen and Food Preservers.—These courses will be given each winter quarter, provided there are a sufficient number of applicants. Applicants must be at least twenty years old and show ability to carry the work with profit to themselves. Admission to courses is without 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.

Fisheries Laboratories.—See page 32.

AQUARIUM

The aquarium is equipped with a number of tanks for live fishes, and with balanced and other aquaria for study of aquarium management. Here students are taught to make accurate observations, record data, note habits, and to study reactions and the life histories of fishes.

FISH HATCHERY

The fish hatchery occupies about fourteen hundred square feet of floor space. It is furnished with hatching troughs, baskets, and other essential equipment for care of 2,000,000 salmon or trout eggs. A complete equipment consisting of batteries of open-top jars is provided for care of several million semi-buoyant eggs, such as those of the shad, whitefish and yellow perch. A tidal box is also available for handling eggs of saltwater species. Feeding tanks and aquaria are 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 rearing of various species of aquatic animals.

Within easy reach of the University are state and federal fish hatcheries where a study may be made of the actual conditions under which fish culture is carried on.

An arrangement has been effected with the United States Bureau of Fisheries under the terms of which the most promising seniors in fish culture will be afforded opportunity to spend five or six months at some one of the bureau's eighteen hatcheries in Washington, Oregon, and Alaska, half of this period to be during the summer vacation. They will be given opportunity to familiarize themselves with building and repair of hatcheries, setting fish traps, stripping spawning fish, and fertilizing and care of eggs until the young are hatched out. While so engaged, students will be paid wages current for this class of work. At the expiration of this period the students will return to the University to complete their course. After passing the regular civil service examination, as many of these students as there is room for will be appointed to the position of fish culturist.

COMMERCIAL OPERATIONS

In or near Seattle and available for study are plants for the canning of fish, crabs, shrimps and clams; the mild-curing of salmon; the pickling of salmon, herring, and sablefish; the freezing and cold storage of fish and oysters; the dehydration of fish; the smoking of fish, and the preparation of oil, fish meal and fertilizer from the waste. Two large can-making establishments, several plants manufacturing canning machinery, and a number of others supplying various machines and supplies for the industry, also are located in Seattle. Such of these industries as are not in Seattle are conveniently situated nearby, and the transportation costs to them are low.

Shellfish Culture.—On Puget Sound and in Hood Canal are numerous private oyster beds where cultivation has been practiced for some years. The state owns certain oyster reserves which are 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.

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 varied fishery apparatus owned by the college is used in nearby waters. The expense of such excursions will be comparatively small.

SUMMER WORK

Students of fisheries and food preservation are advised to spend their summer vacations in some line of practical work connected with the fishery and food preservation industries. As the college is convenient to the more important fish, fruit and vegetable canneries and dehydrating plants, 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 promote acquaintance and good fellowship among students and instructors; (2) to keep in touch with everyday problems in fisheries and with 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 preservation problems of the state and nation.

OUTLINE FOR CURRICULA

Choice of Electives.—In the election of studies, students should follow the sequence of subjects as outlined in the curricula. Deviations from the prescribed order will not be allowed by class advisors unless such deviation is imperative. All electives must have the approval of class advisors.

Attention of the students is directed to the following courses as desirable electives, those to be selected depending on the curriculum followed: B.A. 103, Money and Banking; B.A. 105, Business Organization; B.A. 108, Economics of Markets; B.A. 137, Advertising; B.A. 167, Plant Management; Bact. 103, Public Hygiene; Chem. 111, quantitative analysis; Chem. 104, Food Chemistry; Chem. 123, Industrial Chemistry; Chem. 165, Chemistry of Nutrition; M.E. 82, 198, Mechanical Engineering; modern language (Spanish or German preferred); Zool. 127, 128, Comparative Anatomy; Zool. 101, Cytology; Physiology 7, Elementary Physiology.

I. FISH BIOLOGY

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Fisheries 1	2	Fisheries 2	2	Fisheries 6	2
Zoology 1	5	Zoology 2	5	Zoology 5	5
Chemistry 1 or 21.....	5	Chemistry 2 or 22.....	5	Chemistry 23	5
English 4	3	English 5	3	Gen. Engineering 7....	3
Mil. Sci. or Phys. Ed..	1½	Mil. Sci. or Phys. Ed..	1½	Mil. Sci. or Phys. Ed..	1½
	16½		16½		16½

SECOND YEAR

Fisheries 53	5	Fisheries 54	5	Fisheries 60	3
Bact. 101	5	Bact. 102	5	B.A. 3	3
App. Electives	5	App. Electives	5	Botany 53	5
Mil. Sci. or Phys. Ed..	1½	Mil. Sci. or Phys. Ed..	1½	App. Electives	5
	16½		16½	Mil. Sci. or Phys. Ed..	1½
					17½

THIRD YEAR

Fisheries 101	5	Fisheries 102	5	Fisheries 103	5
Zoology 106—Plankton ..	5	Fisheries 104	5	Fisheries 105	5
App. Electives	5	Math. 13	5	Zoology 107—Parasitology	5
	15		15		15

College of Fisheries

FOURTH YEAR

Fisheries 150	5	Fisheries 151	5	Fisheries 152	5
Fisheries 154	5	Pol. Sci. 101.....	2	Fisheries 115	8
Fisheries 195	2	App. Electives	8	Fisheries 196	2
App. Electives	3			Zoology 108—Limnology	5
	15		15		15

II. FISHERIES TECHNOLOGY

FIRST YEAR

Fisheries 1	2	Fisheries 2	2	Fisheries 6	2
Zoology 1	5	Zoology 2	5	B.A. 3	3
Chemistry 1 or 21.....	5	Chemistry 2 or 22.....	5	Chemistry 23	5
English 4	3	English 5	3	Gen. Engineering 7.....	3
Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%		App. Electives	2
	16%		16%	Mil. Sci. or Phys. Ed... 1%	
					16%

SECOND YEAR

Fisheries 53	5	Fisheries 54	5	Fisheries 60	3
Bact. 101	5	Bact. 102	5	Chemistry 129	5
App. Electives	5	Chemistry 128	5	App. Electives	7
Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%	
	16%		16%		16%

THIRD YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Fisheries 107	5	Fisheries 104	5	Fisheries 105	5
Fisheries 130	5	Math. 13	5	Fisheries 108	5
App. Electives	5	App. Electives	5	Fisheries 147	8
	15		15	App. Electives	2
					15

FOURTH YEAR

Fisheries 150	5	Fisheries 151	5	Fisheries 152	5
B.A. 54	3	B.A. 55	3	Fisheries 115	5
B.A. 62	5	B.A. 63	5	Fisheries 196	2
Fisheries 195	2	Pol. Sci. 101.....	2	App. Electives	2
	15		15		15

GRADUATE

Fisheries 201 ...Research*	Fisheries 202 ...Research*	Fisheries 203 ...Research*
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COURSES OF STUDY

For description of courses see Departments of Instruction section.

WINTER SESSION FOR FISHERMEN AND OTHERS

The regular annual session for fishermen and others will open on January 4, 1927, continuing until about March 1. A comprehensive program of short courses covering all branches of the above work is offered for the benefit of persons interested. Admission to the courses is without examination. No previous preparation, training or technical experience is required other than to read and write English. Past experience and future aims of each student are taken into consideration, and the character of his work arranged accordingly.

NOTE—Unless a student has presented one year of high school physics as an entrance requirement, he will be required to take Physics 1, 2 and 3 in the University, with credit.

COLLEGE OF FORESTRY

THE FACULTY, 1926-27

Henry Suzzallo, Ph.D. (Columbia), LL.D. (California), LL.D. (British Columbia)..*President*
 David Thomson, B.A. (Toronto).....*Dean of Faculties*
 Hugo Winkenwerder, M.F. (Yale)....*Professor of Forestry; Dean of the College of Forestry*
 Burt Persons Kirkland, A.B. (Cornell).....*Professor of Forestry*
 Elias Treat Clark, M.F. (Yale).....*Professor of Forestry*
 Bror Leonard Grondal, M.S.F. (Washington).....*Associate Professor of Forestry*

Trevor Kincaid, A.M. (Washington).....*Professor of Zoology*
 Frederick A. Osborn, Ph.D. (Michigan).....*Professor of Physics*
 David Connolly Hall, M.D. (Chicago).....*University Health Officer; Professor of Hygiene*
 Henry Kreitzer Benson, Ph.D. (Columbia).....*Professor of Chemical Engineering*
 George Samuel Wilson, B.S. (Nebraska).....*Professor of Mechanical Engineering*
 Charles Raymond Atkinson, Ph.D. (Columbia).....*Associate Professor of Economics*
 Lewis Irving Nelkirk, Ph.D. (Pennsylvania).....*Assistant Professor of Mathematics*
 John William Hotson, Ph.D. (Harvard).....*Assistant Professor of Botany*
 Clinton Louis Utterback, M.S. (Washington).....*Instructor in Physics*
 George Edward Goodspeed, B.S. (Min.E.) (Massachusetts Institute of Technology).....*Assistant Professor of Geology*
 James Baker Hamilton, C.E. (Washington).....*Instructor in Civil Engineering*

GENERAL INFORMATION

The College of Forestry was established in 1907. Its location has exceptional advantages. The University campus comprises 582 acres, forty of which are in timber, offering splendid opportunities for field work in silviculture and forest measurements. Other excellent forests are within walking distance of the campus. The University 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 forest management. Washington is the largest lumber producing state in the country and 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.

BUILDINGS

The main building of the College of Forestry, Alfred H. Anderson Hall, was completed in the spring of 1925 at a cost of \$250,000. It contains the lecture rooms, student laboratories, exhibition rooms, library, reading and Forest club rooms and an assembly hall seating 250. Covering a ground area of 7,500 feet, it has three full floors and a large draughting room on the fourth floor. The appointments are unusually complete. This building was presented to the University by Mrs. Agnes H. Anderson to promote the cause of forestry in the State of Washington. The Forest Products Laboratory, which was erected by the University in 1921 at a cost of \$85,000, is a modern two-story building designed for research work in forest products. A covered arcade connects this building with Alfred H. Anderson Hall.

FOREST CLUB

The Forest Club is comprised of all students in the College of Forestry. It aims: To promote acquaintance and good fellowship among students and instructors; to keep in touch with everyday problems in forestry and lumbering, and the leaders in these industries; to interest the public in the college and in the forestry and lumbering problems of the state. A magnificent room has been provided in the new building for the use of the Forest Club.

The club has issued the *Forest Club Annual* regularly since 1913. This publication has been devoted to articles and illustrations of the college; to scientific and popular articles about forestry and to a complete roster of students and alumni. In April, 1922, the annual was superseded by an illustrated magazine known as the *University of Washington Forest Club Quarterly*. The subscription price is \$1 a year. It is devoted largely to Western forestry and lumbering problems.

Officers of the club for the year 1925-1926 are: President, W. H. Price; vice-president, Arthur J. Jellison; secretary-treasurer, Myron Scott; editor, Gordon Allen; advertising manager, Arthur J. Jellison.

FIELD INSTRUCTION AND SUMMER WORK

Much of the instruction in technical forestry and lumbering is given in the field, in nearby forests, logging camps, saw mills, woodworking plants, and plants that manufacture equipment. This work is intensely practical and enables the student to correlate theoretical class room instruction with its application in the field.

Students in forestry are urged to spend their summer vacations in some line of practical work connected with the forest industry. The college is situated in the heart of a great lumbering section and near extensive national forests which offer ample opportunity for summer employment. Students not only acquire valuable experience in this way, but earn a considerable portion of their university expenses. The college cooperates with the industries in placing students and graduates in the positions for which they are best fitted.

FOREST AND LUMBERING LABORATORIES

For description of laboratories, see page 34.

REQUIREMENTS FOR ADMISSION

Correspondence.—Credentials and all correspondence relating to admission to any college or school of the University should be addressed to the Registrar, University of Washington. Full information concerning admission, registration, expenses, may be found on pages 42, 50, 52.

Freshman Standing.—Freshman standing in the University is granted to any recommended graduate of a four-year accredited secondary school who meets the scholarship requirements outlined on page 42.

In addition to the three units of English and the two units of mathematics required for admission to all colleges of the University, it is recommended that a student expecting to enter the College of Forestry should elect his work so as to offer the following subjects:

Advanced algebra.....1½ units Physics.....1 unit

Advanced Standing.—Credit will be given for subjects pursued at other colleges of recognized rank upon presentation to the registrar of certificates that such subjects have been satisfactorily completed. Graduates of this institution and others of similar rank are admitted to graduate standing.

Undergraduate Work.—For the degree of bachelor of science in forestry (B.S.F.) the student must complete, in addition to required subjects outlined in the curriculum, at least 46 credits in subjects selected from forestry, lumbering, engineering, or the botanical, chemical, zoological, geological or economic sciences, the subjects to be approved by the student's class adviser. In no case shall more than 25 elective credits in any department other than forestry be allowed for graduation. Exclusive of shop and military science, 180 credits are required for graduation. Candidates for the

degree must receive grades of A, B, or C in at least three-fourths of the credits required for the degree.

Graduate Work.—Two advanced degrees are offered to students who have received the bachelor's degree at this University or other institutions of equal rank, and have a satisfactory knowledge of the fundamental sciences. The candidate for the degree of master of forestry (M.F.) must earn 225 credits at this University, of which at least 78 are in approved technical forestry subjects. The candidate for the degree of master of science in forestry (M.S.F.) must present a minor in one or two subjects in the College of Science. In addition to these requirements the candidate for either degree must present a thesis embodying results of independent research and pass an oral examination open to all members of the faculty. Only grades of A and B can be counted toward a graduate degree.

For more detailed information on graduate work, see Graduate School section.

Scholarships and Prizes.—See General Information section, page 58.

SPECIAL OPPORTUNITIES FOR ADVANCED WORK

The physical equipment of the College of Forestry and the exceptional advantages of its location are particularly advantageous for graduate students. The advanced courses include forest geography, silviculture, management, wood technology, timber physics, wood preservation, advanced forest products, the business of lumbering, and research. 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 which give no courses in technical forestry may complete the required work in two years, providing they have training in the fundamental sciences, mathematics and surveying.

ORGANIZATION OF THE CURRICULUM

The curriculum of the College of Forestry is organized to give the student a broad general training in his first two years' attendance with opportunity for specialization in the two final years. Enough elementary technical work is included in the lower division to give the student definite preparation for some practical field of work by the end of his freshman or sophomore year.

A very fair degree of specialization can be made in the four-year undergraduate course, but a year of graduate work is advised for more thorough specialization. The College of Forestry offers work for thorough specialization in (1) forest service and state work, and the management of private forest holdings; (2) logging engineering, (3) forest products, (4) the lumber business.

Arrangements may be made for specialization in forest pathology, forest entomology, recreation or any other lines into which a broad training in forestry enters. This may be done by substituting courses in other departments for some of the required courses in forestry. All such substitutions require the sanction of the dean and the University graduation committee.

Choice of Electives.—In 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.

Students should decide by the end of their sophomore year in which field they desire to specialize. The student should be especially careful to register for the electives required for his advanced specialized courses as no student will be admitted to the advanced subjects who has not had the necessary prerequisites given with the course prescriptions below.

College of Forestry

LOWER DIVISION

The lower division courses aim to give students who cannot go farther than the end of the second year, preparation for forest ranger service and training as assistants to logging engineers. On approval of the dean they will be allowed to substitute certain subjects of the junior year for some of the required freshman and sophomore work.

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
For. 1 (Dend.)**.....	5	Bot. 11.....	5	Bot. 12.....	5
For. 2 (Gen. For.).....	3	For. 3 (Gen. For.).....	3	Math. 58 (Foresters).....	3
Math. 51 (Trig.).....	3	Math. 52 (Coll. Alg.).....	3	For. 4 (Protection)**.....	3
English 4.....	3	G. E. 7.....	3	C. E. 56.....	5
For. 5 (Woodcraft).....	2	C. E. 55.....	2	Phys. Ed. or Mil. Sci... 1%	1%
Phys. Ed. or Mil. Sci... 1%		Phys. Ed. or Mil. Sci... 1%			

SECOND YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
For. 53 (Construction).....	3	Chem. 2 (Gen. Chem.).....	5	For. 52 (Mensuration).....	5
For. 57a (Silvics)**.....	3	For. 51 (Mensuration).....	3	For. 58 (Silvicult.).....	5
Chem. 1 (Gen. Chem.).....	5	English 5.....	3	Econ. 3 (General).....	3
Geol. 1a (Materials).....	3	Elective.....	2	Elective.....	2
Geol. 1b (Topography).....	2	Phys. Ed. or Mil. Sci... 1%	1%	Phys. Ed. or Mil. Sci... 1%	1%
Phys. Ed. or Mil. Sci... 1%					

Suggested Electives

For. 57b (Field Silvics) 1 Eng. Shop 53 (Foundry) 1 Eng. Shop 54 (Forge) 1

**Also offered in winter quarter.

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.

THIRD YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
For. 101 (Technol.).....	5	For. 158 (Util.).....	5	For. 105 (Preserva.).....	5
Physics 1 (Gen.).....	5	Physics 2 (Gen.).....	5	Physics 3 (Gen.).....	5
M.E. 82 (Steam Eng.).....	3	For. 104 (Tim. Tests).....	3	Pol. Sci. 101.....	2

Suggested Electives

C.E. 22 (Log. R.R.)... 5	Chem. 101 (Qual. Anal) 5	B.A. 56 (Bus. Law).... 3
B.A. 54 (Bus. Law)... 3	B.A. 65 (Accounting)... 5	Chem. 111 (Quant. An.) 5
Bot. 111 (Pathology)... 5	B.A. 55 (Bus. Law)... 3	H.E. 104 (Nutrition)... 2
	M.E. 83..... 3	

FOURTH YEAR

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

Suggested Electives

For. 185 (Log. Eng.)... 4	For. 186 (Log. Eng.)... 4	For. 187 (Log. Eng.)... 16
For. 183 (Milling)..... 5	For. 184 (Mfg. Prob.)... 3	For. 188 (Adv. Prod.)... 5
	For. 119 (Admin.)..... 3	For. 160-162
	For. 189 (Adv. For. Prod.)..... 5	(Investigation)..... 1-5

GRADUATE

The following subjects are primarily for graduate students. Seniors will be allowed to elect them only on recommendation of the dean and the instructor concerned. With the exception of the thesis none of the subjects, strictly speaking, is required, but the student will elect all those belonging to one specialty as determined on consultation with his class adviser. A sufficient number will have to be taken to fulfill the requirements for the master's degree. Nine credits only will be allowed for total thesis credit.

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
For. 202 (Thesis).....	3-6	For. 202 (Thesis).....	3-6	For. 202 (Thesis).....	3-6
For. 201 (For. Geog.)... 3		For. 209 (Seminar).....	2	For. 223 (Adv. Manag.) 8	
For. 208 (Seminar).....	2	Elective.....	10	For. 224 (Adv. Milling and Marketing).....	5
For. 221 (History).....	3	For. 214 (Research).....	1-5	For. 215 (Research).....	1-5
For. 213 (Research).....	1-5				

COURSES OF STUDY

For description of courses see Departments of Instruction section.

*Also offered in spring quarter.

**Also offered in winter quarter.

SCHOOL OF LAW

THE FACULTY, 1926-1927

Henry Suzzallo, Ph.D. (Columbia), LL.D. (California), LL.D. (British Columbia). *President*
 David Thomson, B.A. (Toronto).....*Dean of Faculties*
 Alfred John Schweppe, A.M. (Wisconsin), LL.B. (Minnesota).....*Professor of Law; Dean of the School of Law*
 Charles Emanuel Martin, Ph.D. (Columbia).....*Professor of Political Science*
 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*
 Crawford Morrison Bishop, A.M. (Columbia), LL.B. (Maryland).....*Professor of Law*
 Joseph Grattan O'Bryan, A.B. (Jesuit College).....*Lecturer on Law*
 Arthur Sydney Beardsley, LL.B., B.S. (Lib. Sci.), A.M. (Washington).....*Law Librarian*

ORGANIZATION AND EQUIPMENT

General Statement.—The School of Law 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 students for practice in any state or jurisdiction. Special attention and emphasis is given to the law of the State of Washington, and in the illustration and development of legal principles. Cases and statutes are largely cited from the State of Washington and other Northwestern and Pacific states. The School of Law is a member of the Association of American Law Schools, and is ranked in class "A" by the Council on Legal Education and Admission to the Bar of the American Law Association.

The Law Building.—The School of Law occupies the upper floor of Commerce Hall. The law library occupies the whole north end, and an idea of its roominess may be gained from its dimensions, which are, exclusive of stacks, forty by seventy feet. There is a large consultation room, twenty-five feet square, adjoining, four large lecture or recitation rooms, and a large room fitted and used exclusively for a trial court. 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 contains about 46,000 volumes, including the reports of the courts of last resort, the reported lower courts of several states and the Canadian and 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 useful features.

The University general library contains 153,879 volumes. It is especially strong in reference works.

The Seattle public library, containing 368,612 volumes, is open to the free use of students and is within easy distance of the campus by street car.

GENERAL INFORMATION

The quarter system prevails in the School of Law. Each quarter is approximately twelve weeks in length. Credit is given usually on the basis of one credit representing a recitation or lecture one hour per week per quarter. 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 under the quarter system are given three hours per week per quarter.

An average of fifteen hours or credits in each quarter are required, making a minimum total of 135 hours or credits for the completion of the law course. Except upon special permission from the dean of the law school, and payment of an additional fee of one dollar (\$1.00) per credit hour in excess of fifteen, students are limited to fifteen hours per quarter.

Students beginning the study of law cannot be registered for the full fifteen-hour course except when entering at the first, or autumn quarter, and can enter advantageously only at this time.

Fees.—A general tuition fee of fifteen dollars (\$15) a quarter for persons who have been domiciled in the State of Washington or territory of Alaska, for at least one year prior to date of registration, and of fifty dollars (\$50) per quarter for all others, is charged in the Law School, payable at the beginning of each quarter. A law library fee of ten dollars (\$10) per quarter is also charged all law students, payable at the beginning of each quarter. A diploma fee of five dollars (\$5) is charged all students to whom diplomas are issued.

For information on other general University fees and expenses applicable to all students, see General Information section, page 52.

Admission to the Bar.—The University of Washington School of Law is by law the standard of approved law schools for admission to the bar of this state. Students intending to practice in the State of Washington should consult the dean of the Law School on entering the school, and register in accordance with the rules of the State Board of Law Examiners.

Professional Standard of Minimum Training.—The following resolution was adopted by the American Bar Association, September 1, 1921. It was approved by a national conference of state and local bar associations, February 24, 1922.

"(1) The American Bar Association is of the opinion that every candidate for admission to the bar should give evidence of graduation from a law school complying with the following standards:

"(a) It shall require as a condition of admission at least two years of study in a college.

"(b) It shall require its students to pursue a course of three years' duration if they devote substantially all of their working time to their studies, and a longer course, equivalent in the number of working hours, if they devote only part of their working time to their studies.

"(c) It shall provide an adequate library available for the use of the students.

"(d) It shall have among its teachers a sufficient number giving their entire time to the school to insure actual personal acquaintance and influence with the whole student body.

The Council on Legal Education and Admission to the Bar is directed to publish from time to time the names of those law schools which comply with the above standards and of those which do not and to make such publications available so far as possible to intending law students."

As stated, the University of Washington Law School is approved by the council.

ADMISSION AND GRADUATION

Students of the College of Liberal Arts, desiring to be admitted to regular standing in the Law School, must have completed the requirements of the lower division for the College of Liberal Arts. (See Liberal Arts section, page 79.) Students of the College of Science, desiring to be admitted to regular standing in the Law School, must have attained junior standing in the College of Science of this University. (See College of Science section, page 98.) Students may present acceptable credits or pass

examinations equivalent to these requirements. Students who have not complied with the foregoing, may be admitted to the Law School upon the completion of three years' work leading to a bachelor's degree in the University of Washington or any institution ranking therewith, provided further, that such work shall meet with the approval of the dean of the Law School.

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. (No advanced credit for law work done elsewhere will be allowed except in accordance with the regulations of the Association of American Law Schools.) The right is reserved to refuse advanced 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 are admitted only in exceptional cases and never in excess of ten per cent of the entering registration.

A special student may become a candidate for a degree by complying with all the entrance requirements as above set forth in reference to regular students.

Combined Curricula in Arts or Science and Law.—It is possible to obtain the degrees of bachelor of arts or bachelor of science, and bachelor of laws, in six years. To do this, students must maintain a uniformly good record and must, in the first three years in their respective colleges, earn 144 credits exclusive of the 10 credits required in military science or physical education. These credits must include the specified requirements for the respective college and a major of at least 36 credits, and one-half (18) of the credits in the major must be earned in upper division courses or in courses numbered above 100. Another requirement for the A.B. or B.S. degree is 60 credits earned in upper division courses or courses numbered above 100, in satisfaction of which the student may offer only 36 of his law credits earned during his first year in the Law School. It follows that at least 24 of the 144 credits referred to must be upper division courses or courses numbered above 100. Upon completion of the 144 credits specified and the additional 36 credits in law, the student will receive his bachelor's degree in the respective college. The degree of bachelor of laws will be conferred upon completion of his work in the Law School.

All students are urged to take these combinations leading to the two degrees, as many Law Schools already require three years, and some four years, for entrance. In order to make the 144 credits in the three years, the student must carry an average of 16 hours per quarter, exclusive of military science or physical education. As the Law School can be entered advantageously only at the beginning of the autumn quarter, the entire 144 credits mentioned should, if possible, be completed within the customary three years.

Students from other institutions, entering this University with advanced standing, may take advantage of these combined courses, provided they are registered in the College of Liberal Arts or Science for at least one full year of work, and earn at least 45 credits in the University before entering the School of Law. This privilege will not be extended to normal school graduates attempting to graduate in two years, nor to undergraduates of other colleges who enter this University with the rank of senior.

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

Thesis.—It is the desire of the faculty to encourage original investigation and research by students. Each candidate for a degree is required to prepare and deposit with the dean of the Law School, on or before May first of his senior year, a thesis of not less than thirty folios in length, on some legal topic selected by the student and approved by the faculty. It must be printed or typewritten, and is to be kept permanently in the library of the Law School.

Each senior expecting to be graduated in June must select his thesis subject and file his selection in writing with the dean of the Law School, on or before November 15 of his senior year. Upon filing the selection of his subject, the student will be assigned on one of the member of the law faculty as thesis advisor and will be required to consult with his thesis advisor at regular intervals and report his progress. No thesis will be accepted by the dean as fulfilling the thesis requirement unless it has been first approved in writing by the thesis advisor, and unless all of the thesis regulations have been complied with.

Degrees.—The degree of bachelor of laws (LL.B.) will be conferred on all students who comply with the entrance and scholarship 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 the University. Those who maintain a uniformly distinguished record for excellence in their courses will receive this degree *cum laude*.

SUGGESTIONS FOR PRE-LAW REGISTRATION

To be admitted to regular standing in the Law School, students must have completed the requirements of the lower division prescribed for the College of Liberal Arts, or must have earned 90 credits in the College of Science, (exclusive of physical education or military science), which must include the required work specified. (See bulletins of these colleges.)

It is of first importance that, in general, the required courses, when available, should be those first registered for. By this means, a student will more easily avoid conflicts which, later on, may preclude him from completing the required courses in his two or three year pre-law curriculum. The law school curriculum contemplates entrance in the autumn quarter, and the student enters advantageously only at this time. This is of such importance, that, in cases where there are only a few deficiencies, they should, if possible, be removed during the intervening Summer Session or through the Extension Service.

Experience shows that many students, because of their selection of courses in the high school, do not meet the requirements for clear entrance in the Colleges of Liberal Arts or Science. Particularly is this true of the foreign language requirement in which two years' work is required in the high school. In the event no foreign language has been taken in the high school, 20 credits in one foreign language must be taken in the University, except that 15 credits in beginning Latin (Latin 1, 2, and 3) will satisfy this deficiency. Latin should be taken when possible. No university credit is allowed for clearing the deficiency in foreign language.

While only three years' work in English is required for entrance to the University, the student must either pass the University exemption examination in English composition or else take English 1 and 2 in the University. He is, however, urged to take these courses in the University, and they should be registered for in the first and second quarters, or as soon thereafter as available.

Among the required courses in the lower division are some which may have been taken in the high school, but in the event they have not, they must be taken in the University. If taken in the University, credit is, of course, given, the only effect being to cut down the student's number of electives.

If U.S. history has not been taken in the high school the student must take History 57, 58, and 59 in the University. If U.S. History has been taken, but civics not taken, the student must take Political Science 1 in the University. In addition to the U.S. history requirement, one year of other history must have been taken in the high school or the student will be obliged to take two quarters (10 credits) in the University. History 1 and 2 are recommended. When these requirements are met, either in the high school or the University, all pre-law students are strongly urged, in addition thereto, to take History 105 and 108, and their sequences, throughout their sophomore year. These courses combined, fill the 10 o'clock period for the year, and therefore the student is advised during his first year to so register as to leave this period free. These courses are open to Pre-Law sophomores.

Liberal Arts Pre-Laws.—The student must have had either physics or chemistry one year in the high school, or take two quarters (10 credits) in either one or the other of them in the University. He must also have had botany or geology or zoology, one year in the high school, or take two quarters (10 credits) in some one of them in the University. Experience shows that many students have not had both of the science groups. As they are laboratory courses and require two quarters' work, it is advisable to register for them as soon as available, because of possible conflict with other required courses. Courses offered in the high school as general biology will not satisfy the requirement for the second group, but where such courses consist substantially of one-half year each of botany and zoology, five hours of additional credit in one or the other will satisfy.

In the event the student has not had three years of an ancient foreign language (Greek or Latin) in high school, or its equivalent in the University, he must take two quarters (10 credits) in ancient life and literature. These courses are given under the titles of Greek and Latin, but in fact, are courses in the English language dealing with Greek and Latin life and literature. They are therefore required of all students who have had only a modern language and should also be taken by students who have had two years only of Greek or Latin and feel that they have lost touch with same. Otherwise the latter are advised to continue with their Greek or Latin and in the event they have taken Latin 1, 2, and 3, they are urged to continue with Latin 4, 5, and 6.

As to the subjects required in the first two years of the University: they are divided into four groups. Physical education or military science is required of all students. Five credits are required in philosophy. Philosophy 1, 2, or 3, or any two or three of these courses may be advantageously taken. Courses in philosophy must not be registered for during the first year, and they may be postponed until the junior year, if the student contemplates a three year Pre-Law course. Psychology 1 is required. Two quarters or ten credits in any one or combination of two of the following subjects are required: Economics, political science or sociology. Obviously, all are important as a background for the proper study of law, and course 1 in each, at least, should be taken.

College of Science Pre-Laws.—The foregoing suggestions as to Liberal Arts Pre-Laws apply generally to Science Pre-Laws with the following exceptions: The student in science must have or acquire in the secondary school or university, mathematics, geology or astronomy, 1 year or 10 credits; chemistry, 1 year or 10 credits; physics, 1 year or 10 credits; and botany or zoology, 1 year or 10 credits. His required subjects in the University include economics, history, language and literature, philosophy, political science, psychology, sociology, 20 credits, but only 10 credits will be counted in any one of these subjects. It will be noted, therefore, that the student has 2 additional science requirements, as compared with the Liberal Arts requirement. He must have both chemistry and physics and one year or 10 credits of mathematics, geology, or astronomy. He is not, however,

required to take any classical language in addition to his two years of foreign language, and in his requirements in the University, may select 20 credits among any of the subjects just above listed, limited, however, to 10 credits in any one subject.

Electives.—As the total of these required courses will not satisfy the total credits required in either college, the balance of the credits will be made up of electives. As the pre-law work contemplates a broad general training, the student is advised, in making his selection of electives, not to specialize at this time in any particular subject or group, but rather to take one or two additional courses in each or several of the various groups. In associated groups, such courses as Anthropology 51, Astronomy 1, Liberal Arts 1 and Liberal Arts 11 are suggested. The course in accounting, known as B.A. 65, Accounting Survey, is a service course for the student not in business administration, and is also recommended. Particularly is the student urged to take additional courses in English, in the event that he feels that his training in this field is inadequate.

Pre-Laws in Other Work Leading to Bachelor's Degree.—Students who have not complied with the foregoing requirements may be admitted to the Law School upon the completion of three years' work leading to a bachelor's degree in the University of Washington, or any institution ranking therewith, provided further, that such work shall meet with the approval of the Dean of the Law School.

Combined Curricula.—See page 169.

MISCELLANEOUS INFORMATION

Washington Law Review.—The *Washington Law Review* is a legal publication issued quarterly during the year under the direction of the law faculty, with the assistance of a student board of twelve to fifteen members chosen from the ablest students in the Law School. The *Review* serves as a medium of expression for the legal scholars of Washington and elsewhere, and is devoted particularly to the interpretation, advancement, and harmonious development of the law. The *Review* contains scholarly articles by judges and lawyers and discussions of important recent court decisions by students in the Law School, based on thorough research. A place on the student editorial board is one of the goals of every earnest law student, and the experience is invaluable to him in his later professional life.

The Carkeek Prize.—Mr. Vivian M. Carkeek of Seattle offers an annual cash prize of \$25.00 for the best student contribution to *The Washington Law Review* by a member of the senior class on a point of Washington law, or any point of peculiar interest to Washington attorneys.

The Jaggard Prize.—Miss Anna Wright Jaggard, daughter of the late Edwin Ames Jaggard, LL.D., justice of the supreme court of Minnesota, offers an annual cash prize of \$50 for the best thesis submitted by members of the senior class, candidates for the degree of bachelor of laws, on 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, later to be announced, are offered successive summers. This work counts toward a degree as a part of the regular instruction of the Law School.

Instruction in Other Departments.—Students in the Law School may pursue studies, for which they are prepared, in other departments of the University without charge other than the prescribed fee for excess hours, except that in laboratory courses the usual laboratory deposits will be required.

COURSES OF STUDY

For description of courses see Departments of Instruction section.

COLLEGE OF MINES

THE FACULTY, 1926-1927

Henry Suzzallo, Ph.D. (Columbia), LL.D. (California), LL.D. (British Columbia). *President*
 David Thomson, B.A. (Toronto).....*Dean of Faculties*
 Milnor Roberts, A.B. (Stanford).....*Professor of Mining Engineering and Metallurgy;*
Dean of the College of Mines
 Joseph Daniels, M.S. (Lehigh).....*Professor of Mining Engineering and Metallurgy*
 Hewitt Wilson, Cer.E. (Ohio State University).....*Associate Professor of Ceramics*
 Clarence Raymond Corey, E.M. (Montana State School of Mines), A.M. (Columbia),
Assistant Professor of Mining Engineering and Metallurgy
 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 Station, U. S. Bureau*
of Mines, Mine Safety Station
 Elmer C. Koivula, B.S. (Min.) (Washington).....*Assistant in Mining*
 Donald G. Coplen, B.S. (Min.-Geol.), (Washington).....*Assistant in Metallurgy*
 John R. Gednetz.....*Assistant in Ceramics*

Henry Kreitzer Benson, Ph.D. (Columbia).....*Professor of Chemical Engineering*
 Trevor Kincaid, A.M. (Washington).....*Professor of Zoology*
 Frederick Arthur Osborn, Ph.D. (Michigan).....*Professor of Physics*
 Robert Edouard Moritz, Ph.D. (Nebraska), Ph.N.D. (Strassburg)..*Professor of Mathematics*
 Carl Edward Magnusson, Ph.D. (Wisconsin).....*Professor of Electrical Engineering and*
Dean of the College of Engineering
 Everett Owen Eastwood, C.E., A.M. (Virginia), S.B. (Massachusetts Institute of
 Technology).....*Professor of Mechanical Engineering*
 David Connolly Hall, Sc.M., M.D. (Chicago).....*Professor of Hygiene*
 Charles Church More, M.S., C.E. (Lafayette), M.C.E. (Cornell).....*Professor of*
Structural Engineering
 William Franklin Allison, C.E. (Cornell).....*Professor of Municipal and Highway*
Engineering
 George Samuel Wilson, B.S. (Nebraska).....*Professor of Mechanical Engineering*
 Charles William Harris, C.E. (Cornell).....*Professor of Hydraulic Engineering*
 Edgar Allen Loew, E.E. (Wisconsin).....*Professor of Electrical Engineering*
 Loren Douglas Milliman, A.B. (Michigan).....*Associate Professor of English*
 Henry Louis Brakel, Ph.D. (Cornell).....*Associate Professor of Engineering Physics*
 Allen Fuller Carpenter, Ph.D. (Chicago).....*Associate Professor of Mathematics*
 Herman Vance Tartar, Ph.D. (Chicago).....*Associate Professor of Chemistry*
 George Irving Gavett, B.S. (C.E.) (Michigan).....*Assistant Professor of Mathematics*
 George Edward Goodspeed, S.B. (Massachusetts Institute of
 Technology).....*Assistant Professor of Geology*
 Gilbert Simon Schaller, B.S. (Illinois), M.B.A. (Washington).....*Assistant Professor of*
Shop Engineering

ADVISORY BOARD OF COLLEGE OF MINES

UNIVERSITY OF WASHINGTON

Ralph F. Barker.....*Manager Tacoma Smelter of American Smelting and Refining Co.*
 Tacoma.
 Roy H. Clarke.....*Mining Engineer*
 Peyton Building, Spokane.
 John Erikson.....*Mine Operator*
 Erikson Building, Seattle.
 A. B. Fosseen..*President and General Manager Washington Brick, Lime and Sewer Pipe Co.*
 Spokane.
 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.
 Paul S. MacMichael.....*Northern Manager and Vice-President Gladding-McBean Co.*
 Dexter Horton Building, Seattle.
 W. R. Rust.....*Founder of the Tacoma Smelter, President of Tacoma Exploration Company*
 Rust Building, Tacoma.
 Nathaniel D. Moore.....*General Manager of Pacific Coast Coal Company*
 Seattle.

STAFF OF NORTHWEST EXPERIMENT STATION

UNITED STATES BUREAU OF MINES, DEPARTMENT OF COMMERCE

Byron Matthew Bird, B.S. (Met.E.) (Washington).....*Acting Superintendent*
 Harry Fagan Yancey, Ph.D. (Illinois).....*Associate Chemist*
 Kenneth A. Johnson, B.S. (Washington).....*Junior Chemist*

SCOPE AND FACILITIES

Degrees.—The College of Mines offers specialized training in mining engineering, metallurgy, and ceramics. The four-year curricula lead to degrees as follows:

- I. Bachelor of science in mining engineering, B.S. (Min. E.)
- II. Bachelor of science in geology and mining, B.S. (Geol. and Min.)
- III. Bachelor of science in metallurgical engineering, B.S. (Met. E.)
- IV. Bachelor of science in coal mining engineering, B.S. (Coal Min. E.)
- V. Bachelor of science in ceramic engineering, B.S. (Cer. E.)

The degree of engineer of mines (E.M.) is given to graduates in mining engineering who have practiced their profession for at least three years and who present a satisfactory thesis. Graduates in metallurgy may receive the degree of metallurgical engineer (Met.E.) under similar conditions, and the appropriate advanced degrees are also open to graduates of other curricula.

Mining and Metallurgical Industries Available for Study.—Mining machinery of many kinds 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 Seattle, while patented machines, such as drills and concentrating tables, 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 illustrated in Seattle by the operations of the steam shovels, excavators which are used largely in iron and copper 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.

Other available works of interest include coal mines and coke ovens, with the largest production west of the Rocky mountains; gold, silver, copper, lead, magnesite, and diatomite mines; large cement plants, several stone quarries and dressing works; clay mines, clay, terra cotta and pottery works, gravel and sand pits with large production and modern methods; a region of varied geology with many economic minerals; the Tacoma smelter and refineries; the U.S. assay office; the Northwest Lead works; the West Seattle steel plant of the Pacific Coast Steel Co., numerous foundries, and plants engaged in electro-metallurgical work.

Laboratories.—For description of mining, metallurgical, and ceramic laboratories, see page 36.

MINING, METALLURGICAL, AND CERAMIC RESEARCH

The purpose of this department is to 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 students holding suitable bachelor of science degrees who 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 of special importance to this region.

Research Fellowships.—The college offers five fellowships for research in coal and clay in cooperative work with the United States Bureau of Mines. The fellowships are open to graduates of universities and technical colleges who are properly qualified to undertake research investigations. The value of each fellowship is \$720 to the holder, for the twelve months beginning July 1. Fellowship holders pay tuition and laboratory fees, but are reimbursed for the amounts so expended; they register as graduate students and become candidates for the degree of master of science in the proper subject, unless an equivalent degree has previously been earned.

Each applicant should send a copy of his collegiate record from the registrar of the college where he has graduated, or will graduate in June. He should also send a photograph and a detailed statement of his professional experience, if any, and give the names and addresses of at least three persons who are familiar with his character, training and ability. Applications should be submitted if possible by April 20 in order to allow ample time for consideration, and should be addressed to the Dean, College of Mines, University of Washington, Seattle, Washington.

Appointees to the fellowship report for duty on July 1, and are required to be on duty 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.

For the year 1926-1927 the following subjects have been selected for investigation: 1. Coal. (a) Beneficiation: Coal washing. Application of ore dressing principles to cleaning of coal; (b) Utilization: Briquetting of low grade coals.

2. Clay Materials. (a) Purification: Washing of kaolin and fire clays; (b) Problems in drying certain clays; (c) Efficiency studies in kiln-heating.

Arthur A. Denny Fellowship.—To encourage graduate work a fellowship of \$500 annual value is open to students in the College of Mines who are residents of the state of Washington. It is awarded for scholastic excellence and general merit, but only to students who need financial assistance. Applications must be made to the Dean of the College before March 15 preceding the academic year for which the fellowship is to be granted.

Investigations of Problems.—Under certain conditions, the University will 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 College's experts are not undertaken. The research is done under the direction of the department, and complete records of all the data obtained are filed with the department, which reserves the right to publish this information for the benefit of the mining and metallurgical industry.

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.

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 can be put. The methods of testing for permissible explosives at the Pittsburgh station and

the safe methods of charging, tamping, and firing are explained. Coal men interested in the washing of coals are given full practice with the several types of apparatus used for this purpose.

REQUIREMENTS FOR ADMISSION

Correspondence.—Credentials and all correspondence relating to admission to any college or school of the University should be addressed to the Registrar, University of Washington. Full information concerning admission, registration, expenses, may be found on pages 42, 50, 52.

Freshman Standing.—Freshman standing in the University is granted to any recommended graduate of a four-year accredited secondary school who meets the scholarship requirements outlined on page 42.

In addition to the three units of English and the two units of mathematics required for admission to all colleges of the University all students expecting to enter the College of Mines should offer the following subjects for entrance:

Advanced algebra	½ unit
Solid geometry	½ unit
Physics	1 unit
Manual Training, shopwork.....	½ unit

If the student has not included these subjects in his high school elections, it will be necessary for him to include them among his elections in college.

CURRICULA OF THE COLLEGE OF MINES

MINING ENGINEERING (OPTION I)

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Mathematics 51	4	Mathematics 52	4	Mathematics 53	4
Gen. Engineering 1.....	3	Gen. Engineering 2.....	3	Gen. Engineering 13....	3
Gen. Engineering 11.....	3	Gen. Engineering 12....	3	Gen. Engineering 21....	3
Chemistry 1 or 21.....	5	Chemistry 2 or 22.....	5	Chemistry 23	5
Mil. Sci. or Phys. Ed.. 1%		Mil. Sci. or Phys. Ed.. 1%		Mil. Sci. or Phys. Ed.. 1%	
	15+1%		15+1%		15+1%

SECOND YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Mathematics 61	3	Mathematics 62	3	English 4	3
Physics 97	5	Physics 98	5	Physics 99	5
Geology 1a	3	Geology 21	5	Geology 120	3
Geology 1b	2	Mining 52	3	Chemistry 111	5
Mining 51	3	Mil. Sci. or Phys. Ed.. 1%		Mil. Sci. or Phys. Ed.. 1%	
Mil. Sci. or Phys. Ed.. 1%					
	16+1%		16+1%		16+1%

‡Mining Practice in Summer Vacation.

THIRD YEAR

Civil Engineering 131... 3	Civil Engineering 132... 3	Geology 122	2
Geology 123	3	Electrical Eng. 121-122. 6	
Mining 101	3	Metallurgy 102	5
Metallurgy 101	5	Mining 106	1
Mechanical Eng. 54..... 1		Elective	2
	15		16

‡Practice in mining, metallurgy, geology, or ceramics, accompanied by a report on the work performed, is required of all students during a summer vacation following the sophomore or junior year.

184 + 10

45

48

47

Conflict

June

Curricula

177

FOURTH YEAR

Mining 151	3	Mining 192	2	Mining 107	1
Mining 191	2	Mining 162	4	Mining 152	5
Metallurgy 155	3	Geology 127	5	Mining 103	1
Metallurgy 162	2	Mining 103	1	Mining 182	3
Electives	3	Electives	3	Electives	4
Pol. Sci. 101	2				
	15		15		14

GEOLOGY AND MINING (OPTION II)

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Mathematics 51	4	Mathematics 52	4	Mathematics 53	4
Gen. Engineering 1.....	3	Gen. Engineering 2.....	3	Gen. Engineering 13.....	3
Gen. Engineering 11.....	3	Gen. Engineering 12.....	3	Gen. Engineering 21.....	3
Chemistry 1 or 21.....	5	Chemistry 2 or 22.....	5	Chemistry 23	5
Mil. Sci. or Phys. Ed..	1%	Mil. Sci. or Phys. Ed..	1%	Mil. Sci. or Phys. Ed..	1%
	15+1%		15+1%		15+1%

SECOND YEAR

Mathematics 61	3	Mathematics 62	3	Geology 4	3
Physics 97	5	Physics 98	5	Physics 99	5
Geology 1a	3	Geology 21	5	Geology 120	5
Geology 1b	2	Mining 52	3	Chemistry 111	5
Mining 51	3	Mil. Sci. or Phys. Ed..	1%	Mil. Sci. or Phys. Ed..	1%
Mil. Sci. or Phys. Ed..	1%				
	16+1%		16+1%		16+1%

THIRD YEAR

Civil Engineering 181...	3	Civil Engineering 132...	3	Geology 122	2
Geology 123	3	Geology 124	4	Geology 125	2
Mining 101	3	Metallurgy 103	4	Metallurgy 102	5
Metallurgy 101	5	Metallurgy 153	3	Mining 106	1
Mechanical Eng. 54....	1	Electives	1	English 4	3
	15		15	Electives	2
					15

‡Mining Practice in Summer Vacation.

FOURTH YEAR

Mining 151	3	Mining 192	2	Mining 107	1
Mining 191	2	Mining 162	4	Mining 152	5
Metallurgy 162	2	Geology 127	5	Mining 103	1
Geology 126	3	Mining 103	1	Electives	7
Geology 140	3	Electives	3		
Pol. Sci. 101	2				
	15		15		14

METALLURGICAL ENGINEERING (OPTION III)

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Mathematics 51	4	Mathematics 52	4	Mathematics 53	4
Gen. Engineering 1.....	3	Gen. Engineering 2.....	3	Gen. Engineering 13.....	3
Gen. Engineering 11.....	3	Gen. Engineering 12.....	3	Gen. Engineering 21.....	3
Chemistry 1 or 21.....	5	Chemistry 2 or 22.....	5	Chemistry 23	5
Mil. Sci. or Phys. Ed..	1%	Mil. Sci. or Phys. Ed..	1%	Mil. Sci. or Phys. Ed..	1%
	15+1%		15+1%		15+1%

SECOND YEAR

Mathematics 61	3	Mathematics 62	3	English 4	3
Physics 97	5	Physics 98	5	Physics 99	5
Geology 1a	3	Geology 21	5	Geology 120	3
Geology 1b	2	Mining 52	3	Chemistry 111	5
Mining 51	3	Mil. Sci. or Phys. Ed..	1%	Mil. Sci. or Phys. Ed..	1%
Mil. Sci. or Phys. Ed..	1%				
	16+1%		16+1%		16+1%

‡Practice in mining, metallurgy, geology, or ceramics, accompanied by a report on the work performed, is required of all students during a summer vacation following the sophomore or junior year.

THIRD YEAR

Civil Engineering 181... 3	Civil Engineering 182... 3	Electrical Engr. 121-122. 6
Mining 101 3	Electrical Eng. 101-102. 6	Metallurgy 102 5
Metallurgy 101 5	Metallurgy 103 4	Mining 106 1
Mechanical Eng. 54... 1	Metallurgy 163 3	Electives 3
Electives 1		
Pol. Sci. 101..... 2		
15	16	15

‡Mining Practice in Summer Vacation.

FOURTH YEAR

Mining 151 3	Mining 102 2	Mining 107 1
Mining 191 2	Metallurgy 163 3	Mining 152 5
Metallurgy 104 5	Metallurgy 165 3	Mining 103 1
Metallurgy 156 3	Geology 127 5	Metallurgy 166 3
Metallurgy 162 2	Mining 103 1	Electives 5
15	14	15

COAL MINING ENGINEERING (OPTION IV)

FIRST YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Mathematics 51 4		Mathematics 52 4		Mathematics 53 4	
Gen. Engineering 1.... 3		Gen. Engineering 2.... 3		Gen. Engineering 13.... 3	
Gen. Engineering 11... 3		Gen. Engineering 12... 3		Gen. Engineering 21.... 3	
Chemistry 1 or 21.... 5		Chemistry 2 or 22.... 5		Chemistry 23 5	
Mil. Sci. or Phys. Ed.. 1%		Mil. Sci. or Phys. Ed.. 1%		Mil. Sci. or Phys. Ed.. 1%	
15+1%		15+1%		15+1%	

SECOND YEAR

Mathematics 61 3	Mathematics 62 3	English 4 3
Physics 97 5	Physics 98 5	Physics 99 5
Geology 1a 3	Geology 21 5	Geology 120 3
Geology 1b 2	Mining 52 3	Chemistry 111 5
Mining 51 3	Mil. Sci. or Phys. Ed.. 1%	Mil. Sci. or Phys. Ed.. 1%
Mil. Sci. or Phys. Ed.. 1%		
16+1%	16+1%	16+1%

THIRD YEAR

Civil Engineering 181... 3	Civil Engineering 182... 3	Electrical Eng. 121-122. 6
Mining 101 3	Electrical Eng. 101-102. 6	Metallurgy 102 5
Mechanical Eng. 81... 3	Mining 122 3	English 4 3
Mechanical Eng. 82... 3	Metallurgy 103 4	Mining 106 1
Mechanical Eng. 88... 3		
15	16	15

‡Mining Practice in Summer Vacation.

FOURTH YEAR

Autumn Quarter	Credits	Winter Quarter	Credits	Spring Quarter	Credits
Mining 151 3		Mining 192 2		Mining 107 1	
Mining 191 2		Mining 171 3		Mining 193 1	
Metallurgy 155 3		Mining 176 5		Mining 182 3	
Mining 170 3		Mining 103 2		Mining 178 2	
Mechanical Eng. 54... 1		Electives 3		Electives 7	
Electives 1					
Pol. Sci. 101..... 2					
15		15		14	

‡Practice in mining, metallurgy, geology, or ceramics, accompanied by a report on the work performed, is required of all students during a summer vacation following the sophomore or junior year.

CERAMIC ENGINEERING (OPTION V)

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Mathematics 51	4	Mathematics 52	4	Mathematics 53	4
Gen. Engineering 1.....	3	Gen. Engineering 2.....	3	Gen. Engineering 13.....	3
Gen. Engineering 11.....	3	Gen. Engineering 12.....	3	Gen. Engineering 21.....	3
Chemistry 1 or 21.....	5	Chemistry 2 or 22.....	5	Chemistry 23	5
Mil. Sci. or Phys. Ed.. 1%		Mil. Sci. or Phys. Ed.. 1%		Mil. Sci. or Phys. Ed.. 1%	
	<u>15+1%</u>		<u>15+1%</u>		<u>15+1%</u>

SECOND YEAR

Mathematics 61	3	Mathematics 62	3	Ceramics 90	3
Physics 97	5	Physics 98	5	Physics 99	5
Geology 1a	3	Geology 21	5	Geology 120	3
Geology 1b	2	Mining 52	3	Chemistry 111	5
Mining 51	3	Mil. Sci. or Phys. Ed.. 1%		Mil. Sci. or Phys. Ed.. 1%	
Mil. Sci. or Phys. Ed.. 1%					
	<u>16+1%</u>		<u>16+1%</u>		<u>16+1%</u>

THIRD YEAR

Ceramics 100	3	Ceramics 101	3	Ceramics 102	3
Ceramics 104	3	Ceramics 105	3	Ceramics 110	2
Civil Engineering 131....	3	Civil Engineering 132....	3	English 4	3
Mining 101	3	Metallurgy 153	3	Metallurgy 102	5
Chemistry 181	5	Chemistry 182	5	Mining 106	1
	<u>17</u>		<u>17</u>		<u>14</u>

FOURTH YEAR

Ceramics 121	5	Ceramics 122	5	Ceramics 123	5
Mining 191	3	Mining 192	3	Mining 107	1
Electives	5	Metallurgy 103	4	Mining 193	2
Pol. Sci. 101.....	2	Mining 103	1	Electives	7
	<u>15</u>	Electives	<u>2</u>		<u>15</u>

COURSES OF STUDY

For description of courses see Departments of Instruction section.

COLLEGE OF PHARMACY

THE FACULTY, 1926-1927

Henry Suzzallo, Ph.D. (Columbia), LL.D. (California), LL.D. (British Columbia)	<i>President</i>
David Thomson, B.A. (Toronto)	<i>Dean of Faculties</i>
Charles Willis Johnson, Ph.C., Ph.D. (Michigan)	<i>Professor of Pharmaceutical Chemistry; Dean of the College of Pharmacy and State Chemist</i>
Eldin Verne Lynn, A.B. (Washington), Ph.D. (Wisconsin)	<i>Associate Professor of Pharmacology and Chemistry</i>
Henry August Langenhan, Ph.G. (Illinois), Ph.D. (Wisconsin)	<i>Associate Professor of Pharmacy</i>
Forest Jackson Goodrich, Ph.C., M.S. (Washington)	<i>Assistant Professor of Pharmacy and Materia Medica</i>
Henry M. Burlage, A.B. (Indiana), Ph.G., B.S. (Purdue), A.M. (Harvard)	<i>Instructor in Pharmacy</i>
Harriet V. Snidow, Ph.G., B.S. (Oregon A. C.), M.S. (Washington)	<i>Associate in Pharmacy</i>
Cornellus Osseward, Ph.G. (New York College of Pharmacy, Dept. of Columbia University), Ph.C. (Northwestern University)	<i>Lecturer on Pharmacy</i>
Mary Lucille Turnacliiff, Ph.C., B.S. (Washington)	<i>Assistant State Chemist</i>
Russell Cain, Ph.C., B.S. (Washington)	<i>Assistant State Chemist</i>
Arnold Lehman, Ph.C., B.S. (Washington)	<i>Arthur A. Denny Fellowship 1925-26</i>
Ludwig Metzger	<i>In Charge of Garden of Medical Plants</i>
<hr/>	
Frederick Morgan Padelford, Ph.D. (Yale)	<i>Professor of English and Dean of the Graduate School</i>
Frederick Arthur Oshorn, Ph.D. (Michigan)	<i>Professor of Physics</i>
Pierre Joseph Frein, Ph.D. (Johns Hopkins)	<i>Professor of Romance Languages</i>
John Weinzirl, Dr.P.H. (Harvard)	<i>Professor of Bacteriology</i>
Leslie J. Ayer, J.D. (Chicago)	<i>Professor of Law</i>
Howard Thompson Lewis, A.M. (Wisconsin)	<i>Professor of Economics and Dean of the College of Business Administration</i>
George Burton Rigg, Ph.D. (Chicago)	<i>Associate Professor of Botany</i>
Ernest Otto Eckelman, Ph.D. (Heidelberg)	<i>Assistant Professor of German</i>
Eli Victor Smith, Ph.D. (Northwestern)	<i>Assistant Professor of Zoology</i>

ORGANIZATION AND EQUIPMENT

The College of Pharmacy was organized in 1894 to provide opportunity for young men and women to become well trained practical pharmacists. The work of the original two-year course has been extended to three-four-and-five-year courses. In the three-year course training is offered in technical and commercial pharmacy; in the four-year course an opportunity is offered for training in more advanced scientific pharmacy with a liberal training in other sciences and arts. A four-year course is also offered which combines scientific training in pharmacy with business administration. The five-year or graduate course offers opportunity for more advanced training in scientific pharmacy and allied sciences and research in one of the most fertile fields of modern science. Graduate work may also be extended in courses leading to the doctorate degree.

REGISTRATION AS A PHARMACIST IN THE STATE OF WASHINGTON

1. An applicant for registration must be a graduate of a College of Pharmacy recognized by the Department of Licenses.
2. A graduate of the three-, four or five-year course of the *University of Washington College of Pharmacy* has the right to register as a pharmacist without further examination and without the requirement of practical experience in a pharmacy.
3. A graduate of any two-year course of a recognized College of Pharmacy must have two years of practical experience and pass the examination under the direction of the state department of licenses as listed in paragraph five.

4. A graduate of a recognized college of pharmacy located outside of the State of Washington may become a registered pharmacist as follows.
 - (a) A graduate of a two-year course must have two years of practical experience and pass an examination as listed under paragraph five.
 - (b) A graduate of a three-year course must have one year of practical experience and pass an examination as listed under paragraph five.
 - (c) A graduate of a four-year course is not required to have practical experience but must pass an examination as listed under paragraph five.
5. The examination embraces the following subjects: pharmacy, materia medica, chemistry, toxicology, and posology, compounding prescriptions, identification of drugs, and laws relating to the practice of pharmacy in Washington. The grade must not be less than 60% in any one subject and a general average of 70%.
6. Persons who register by examination in the State of Washington can become registered in forty-three other states of the Union without further examination. Graduates of the *University of Washington College of Pharmacy* are urged to register by passing the examination as listed in paragraph five so they may have the privilege of reciprocal registration in other states without examination.
7. A registered pharmacist must be over twenty-one years of age. Persons under twenty-one shall be classified as assistant registered pharmacists until the age of majority is attained.
8. Persons registered by examination in other states may register as a pharmacist in Washington without examination other than in the subject of laws relating to the practice of pharmacy in the state of Washington, providing such persons are graduates of recognized colleges of pharmacy.
9. Recognized colleges of pharmacy (see rule 10 of handbook on pharmacy law issued by the state department of licenses) are such colleges as hold membership in the American Association of Colleges of Pharmacy and such foreign colleges of pharmacy as meet the standards and requirements of the American Association of Colleges of Pharmacy.
10. Applicants for registration as a pharmacist should communicate with the state department of licenses, Olympia, Washington, for proper blanks and instructions. A fee of ten dollars for registration is payable to the state treasurer.

Higher Standards in Pharmacy.—The minimum course of study in the College of Pharmacy is *Three Years*. The aim of the course is to give thorough scientific training for retail pharmacists; if the student desires, he may elect certain studies in the College of Business Administration that will better fit him for the business side of retail pharmacy.

Retail pharmacy is recognized both as a profession and a business. The College of Pharmacy desires to meet these two conditions as far as possible. Special attention is given to a thorough scientific training for the compounding and dispensing of drugs and medicines. Such business training will be included as time will permit in the three-year course. Students desiring further business training can complete, in one year more, the four-year combined scientific and business course. In this four-year course the student receives training in economics, psychology, business law, accounting, advertising, salesmanship and business management, useful in the every day life of the retail pharmacy.

Students desiring more extensive training in scientific pharmacy may complete the three-year course by including advanced work in prescriptions,

manufacturing pharmacy, toxicology, physiological chemistry and bacteriology. Graduates of this course are trained for positions in strictly prescription stores and for work in clinical diagnosis.

Graduates of the four-year scientific courses are trained for positions as expert laboratory workers in State and Federal laboratories, bacteriologists for physicians, city boards of health, and for State and Federal laboratories, manufacturing pharmacists for large pharmaceutical houses, and as teachers in colleges of pharmacy.

It should be noted that the college sets a high standard for pharmaceutical training and that a number of opportunities are open to graduates who take the time to thoroughly prepare themselves for responsible positions.

Preparation for Medicine.—Students desiring training that will give them clear entrance to colleges of medicine and also professional training in pharmacy should refer to curriculum number 4, page 12 of this bulletin. Students completing this course receive both the Ph.C. and B.S. degrees at the end of the four-year course. Pharmaceutical training is an excellent preparation for medicine. It gives the student a knowledge of drugs and medicines that can be obtained in no other way and the graduate in pharmacy who completes medicine has the benefit of the two professions.

American Association of Colleges of Pharmacy.—The College of Pharmacy is a member of the American Association of Colleges of Pharmacy. The objects of the association 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.—The College of Pharmacy maintains on the campus a garden in which plants of pharmaceutical importance are cultivated. The area and scope of this garden have been gradually extended, until the college has a complete collection of medicinal plants which furnishes valuable material for classes in botany, materia medica and drug assay, and for research.

Service to Pharmacists of the State.—It is the desire of the college to render every possible service to pharmacists of the state. We therefore invite the pharmacists to write us in regard to their prescription difficulties and manufacturing problems. Many pharmacists are now availing themselves of this privilege, and it is our wish to extend this service to the entire profession. Send your prescriptions and problems with a history of difficulties encountered to Professor H. A. Langenhan, who is in charge of practical pharmacy courses in the College of Pharmacy.

Food and Drug Analysis.—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 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 Pharmacopoeia and National Formulary, pharmacognosy, materia medica and therapeutics, etc. A great many pharmaceutical chemists are needed to carry out the analytical processes involved in the enforcement of this legislation, but the number of men adequately trained is very 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 in close touch with government food and drug work. Courses are offered fitting students for this line of work.

Women in Pharmacy.—Opportunities for women in pharmacy are as great as for men. Women are finding a place in retail pharmacy, and as hospital pharmacists, and are becoming noted for the satisfaction they give in both the scientific and business side of the average drug store. Women graduates of the four-year course are giving excellent satisfaction as food and drug chemists, bacteriologists and as teachers in colleges of pharmacy.

Library Facilities.—A branch of the University library containing books and current publications on pharmacy and chemistry is maintained in the pharmacy building. Practically all the domestic and some foreign journals on pharmacy are received by the college. The student is required to make use of the library and to report from time to time on current topics of interest. (See Phar. 125, 126, 127, Departments of Instruction section.)

The Arthur A. Denny Fellowship.—The College of Pharmacy is indebted to the Arthur A. Denny estate for a fellowship that pays \$500 a year to the student selected for this honor. The fellowship is granted each year to a graduate of the four-year course in pharmacy. The graduate is selected on the basis of excellence in scholarship and promise of ability to do research work in some subject of pharmaceutical importance.

Observation Trips.—Observation trips made each year by classes in pharmacy to various manufacturing and wholesale establishments of Seattle and to large retail stores are an important feature of the work of the college. Among places visited in 1925-1926 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, and to the hydrastis and ginseng farm of Mr. C. E. Thorpe near the University campus.

Laboratories.—For description of pharmacy, materia medica and chemistry laboratories, see page 37.

REQUIREMENTS FOR ADMISSION

Correspondence.—Credentials and all correspondence relating to admission to any college or school of the University should be addressed to the Registrar, University of Washington. Full information concerning admission, registration, expenses, may be found on pages 42, 50, 52.

Freshman Standing.—Freshman standing in the University is granted to any recommended graduate of a four-year accredited secondary school who meets the scholarship requirements outlined on page 42.

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

Admission by Examination.—Any graduate of an accredited secondary school who fails to meet the scholarship requirement for admission, has the privilege of qualifying for admission by passing the regular University entrance examinations in a sufficient number of subjects in which he has fallen below the grade of 80, to bring his average grade up to the required

two-thirds above 80. The successful passing of these examinations, however, will require a very thorough review of the subjects concerned after the work has been completed in high school.

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

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.

DEGREES

1. The degree of pharmaceutical chemist (Ph.C.) will be conferred upon any student who has complied with the entrance conditions and completed the three-year course.

2. The degree of bachelor of science (B.S.) will be conferred upon any student who has fulfilled the entrance requirements and completed one of the four-year courses as outlined. This degree with honors may be conferred upon a student of the College of Pharmacy if recommended for this distinction by the pharmacy faculty.

3. The degree of master of science in pharmacy (M.S.) will be conferred upon any graduate of the four-year course who has completed one year of graduate work and presented a satisfactory thesis.

4. The degree of doctor of philosophy (Ph.D.) with major and thesis in the pharmaceutical field may be taken by meeting all requirements of the graduate school. The bulletin of the graduate school should be consulted for information concerning graduate degrees.

CURRICULA REQUIRED FOR GRADUATION

1. A three-year course which prepares its graduates for responsible positions as practical pharmacists. The first two years of all courses are the same. At the beginning of the third year the student must elect the type of training he wishes for the next one or two years. Opportunity is given to specialize in advanced prescription and manufacturing pharmacy, business courses including economics, business law, accounting, business report writing, advertising, salesmanship, income tax problems, etc. food chemistry, advanced materia medica and medicinal plant cultivation, advanced pharmaceutical chemistry, toxicology and clinical diagnosis, bacteriology, and other pre-medical subjects.

2. A four-year scientific course which offers well-rounded scientific and liberal training. Graduates of this course are prepared for positions as, (a) practical and manufacturing pharmacists; (b) teachers in colleges of pharmacy; (c) food and drug inspection chemists and bacteriologists in the United States Civil Service; (d) pharmaceutical journalism.

3. A four-year combined scientific and business course which includes the regular pharmacy work of the three-year course together with advanced training in pharmacy, and courses in the College of Business Administration and Schools of Journalism and Law which 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.

Note.—Any student who has not had one year of physiology in high school and who enters the College of Pharmacy deficient in 5 hours (one-half unit) of elective science may register for Physiology 6 or 7 to clear entrance and shall then later be held for five hours of advanced physiology to complete college requirement.

4. A four-year pharmacy course which includes all of the required work of the three-year course in pharmacy and such subjects as will give the graduate clear entrance to medical schools. A student completing this course and a course in medicine has the benefit of training in the two professions. The two degrees Ph.C. and B.S. are given at the completion of this course.

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 PHARMACEUTICAL CHEMIST. (Three-Year Course.)

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Pharmacy 1	5	Pharmacy 2	5	Pharmacy 3	5
Chemistry 8	5	Chemistry 9	5	Chemistry 10	5
Physiology 6	5	Botany 13	5	Botany 14	4
Mil. Sci. or Phys. Ed... 1½		Mil. Sci. or Phys. Ed... 1½		Pharmacy 4	2
				Mil. Sci. or Phys. Ed... 1½	

SECOND YEAR

Chemistry 37	5	Chemistry 38	5	Chemistry 39	5
Pharmacy 5	5	Pharmacy 6	5	Pharmacy 7	4
Pharmacy 9	3	Pharmacy 10	3	Pharmacy 11	3
Pharmacy 12	3	Pharmacy 13	3	Pharmacy 15	1
Mil. Sci. or Phys. Ed... 1½		Mil. Sci. or Phys. Ed... 1½		English 4	3
				Mil. Sci. or Phys. Ed... 1½	

THIRD YEAR

Pharmacy 101	2	Pharmacy 101	2	Pharmacy 103	2
Pharmacy 117	2	Pharmacy 118	2	Pharmacy 119	2
Bacteriology 101	5	Approved Elective	11	Approved Elective	9
Approved Elective	6			Pol. Sci. 101.....	2

Total scholastic hours for graduation—135 plus 10 hours military or physical education. Electives in junior year may be arranged to meet requirements of any one of the four-year courses.

2. WITH DEGREE OF BACHELOR OF SCIENCE. (Four-Year Scientific Course.)

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Pharmacy 1	5	Pharmacy 2	5	Pharmacy 3	5
Chemistry 8	5	Chemistry 9	5	Chemistry 10	5
Physiology 6	5	Botany 13	5	Botany 14	4
Mil. Sci. or Phys. Ed... 1½		Mil. Sci. or Phys. Ed... 1½		Pharmacy 4	2
				Mil. Sci. or Phys. Ed... 1½	

SECOND YEAR

Chemistry 37	5	Chemistry 38	5	Chemistry 39	5
Pharmacy 5	5	Pharmacy 6	5	Pharmacy 7	4
Pharmacy 9	3	Pharmacy 10	3	Pharmacy 11	3
Pharmacy 12	3	Pharmacy 13	3	Pharmacy 15	1
Mil. Sci. or Phys. Ed... 1½		Mil. Sci. or Phys. Ed... 1½		English 4	3
				Mil. Sci. or Phys. Ed... 1½	

THIRD YEAR

Pharmacy 101	2	Pharmacy 102	2	Pharmacy 103	2
Pharmacy 117	2	Pharmacy 118	2	Pharmacy 119	2
Pharmacy 125	1	Pharmacy 126	1	Pharmacy 127	1
Pharmacy 113	5	Pharmacy 114	5	Pharmacy 115	5
Bacteriology 101	5	Approved Elective	5	Pharmacy 112	3
				Approved Elective	2

FOURTH YEAR

Physics 1	5	Physics 2	5	Pol. Sci. 101.....	2
Pharmacy 195	5	Pharmacy 196	5	Pharmacy 197	5
Approved Elective	5	Approved Elective	5	Approved Elective	8

Total scholastic hours for graduation.....180 plus 10 hours in military science or physical education.

3. WITH DEGREE OF BACHELOR OF SCIENCE. (Four-Year Combined Scientific and Business Course.)

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Pharmacy 1	5	Pharmacy 2	5	Pharmacy 3	5
Chemistry 8	5	Chemistry 9	5	Chemistry 10	5
Physiology 6	5	Botany 13	5	Botany 14	4
Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%		Pharmacy 4	2
				Mil. Sci. or Phys. Ed... 1%	

SECOND YEAR

Chemistry 37	5	Chemistry 38	5	Chemistry 39	5
Pharmacy 5	5	Pharmacy 6	5	Pharmacy 7	4
Pharmacy 9	3	Pharmacy 10	3	Pharmacy 11	3
Pharmacy 12	3	Pharmacy 13	3	Pharmacy 15	1
Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%		English 4	3
				Mil. Sci. or Phys. Ed... 1%	

THIRD YEAR

Bus. Admin. 54 (Law).. 3	Bus. Admin. 55 (Law).. 3	Bus. Admin. 56 (Law).. 3
Pharmacy 101	Pharmacy 102	Pharmacy 103
Pharmacy 117	Pharmacy 118	Pharmacy 119
Pharmacy 125	Pharmacy 126	Pharmacy 127
Pharmacy 113	Pharmacy 114	Pharmacy 115
Bacteriology 101	Psychology 1	Pharmacy 112

FOURTH YEAR

Bus. Adm. 62 (Acc'tg.). 5	Bus. Adm. 63 (Acc'tg.). 5	Bus. Adm. 3 (Econom.). 3
Bus. Admin. 146..... 5	Bus. Admin. 147..... 5	Approved Elective 5
Pharmacy 195	Pharmacy 196	Pharmacy 197
		Pol. Sci. 101..... 2

Total scholastic hours for graduation.....180 plus 10 hours in military science or physical education.

4. WITH DEGREE OF BACHELOR OF SCIENCE. (Four-Year Pharmacy Course.)

FIRST YEAR

<i>Autumn Quarter</i>	<i>Credits</i>	<i>Winter Quarter</i>	<i>Credits</i>	<i>Spring Quarter</i>	<i>Credits</i>
Pharmacy 1	5	Pharmacy 2	5	Pharmacy 3	5
Chemistry 8	5	Chemistry 9	5	Chemistry 10	5
Physiology 6	5	Botany 13	5	Botany 14	4
Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%		Pharmacy 4	2
				Mil. Sci. or Phys. Ed... 1%	

SECOND YEAR

Chemistry 37	5	Chemistry 38	5	Chemistry 39	5
Pharmacy 5	5	Pharmacy 6	5	Pharmacy 7	4
Pharmacy 9	3	Pharmacy 10	3	Pharmacy 11	3
Pharmacy 12	3	Pharmacy 13	3	Pharmacy 15	1
Mil. Sci. or Phys. Ed... 1%		Mil. Sci. or Phys. Ed... 1%		Elective	3
				Mil. Sci. or Phys. Ed... 1%	

THIRD YEAR

Physics 1	5	Physics 2	5	Physics 3	5
Bacteriology 101	5	English 1	5	English 2	5
Foreign Lang. 5		Foreign Lang. 5		Foreign Lang. 5	

FOURTH YEAR

Pharmacy 101	2	Pharmacy 102	2	Pharmacy 103	2
Pharmacy 117	2	Pharmacy 118	2	Pharmacy 119	2
Pharmacy 125	1	Pharmacy 126	1	Pharmacy 127	1
Zoology 3	5	Zoology 4	5	Approved Elective 8	
Approved Elective 5		Approved Elective 5		Pol. Sci. 101..... 2	

Total scholastic hours for graduation.....180 plus 10 hours in military science or physical education.

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.

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.

6. WITH DEGREE OF DOCTOR OF PHILOSOPHY.

The degree of doctor of philosophy (Ph.D.) with major and thesis in the pharmaceutical field may be taken by meeting all requirements of the graduate school. The bulletin of the graduate school should be consulted for information concerning graduate degrees.

COURSES OF STUDY

For description of courses see Departments of Instruction section.

GRADUATE SCHOOL

THE FACULTY, 1926-1927

Henry Suzzallo, Ph.D. (Columbia), LL.D. (California), LL.D. (British Columbia) . . . *President*
 David Thomson, B.A. (Toronto) *Professor of Latin; Dean of Faculties, and Dean of the College of Liberal Arts*
 Frederick Morgan Padelford, Ph.D. (Yale) *Professor of English; Dean of the Graduate School*
 Henry Landes, A.M. (Harvard) *Professor of Geology and Mineralogy; Dean of the College of Science*
 Edmond Stephen Meany, M.L. (Wisconsin) *Professor of History*
 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 the Physics Laboratories*
 William Savery, Ph.D. (Harvard) *Professor of Philosophy*
 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 Romance Languages*
 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, Ph.D. (Wisconsin), E.E. (Minnesota) *Professor of Electrical Engineering; Dean of the College of Engineering*
 Everett Owen Eastwood, C.E., M.A. (Virginia), S.B. (Massachusetts Institute of Technology), *Professor of Mechanical Engineering*
 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*
 Henry Kreitzer Benson, Ph.D. (Columbia) *Professor of Chemical Engineering*
 John Weinzirl, Ph.D. (Wisconsin), Dr.P.H. (Harvard) *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 School of Education*
 Edwin John Vickner, Ph.D. (Minnesota) *Professor of Scandinavian Languages*
 Effie Isabel Raitt, M.S. (Columbia) *Professor of Home Economics*
 Stevenson Smith, Ph.D. (Pennsylvania) *Professor of Psychology*
 Allen Rogers Benham, Ph.D. (Yale) *Professor of English*
 Fred Carlton Ayer, Ph.D. (Chicago) *Professor of Education*
 John Nathan Cobb *Professor of Fisheries and Director of the College of Fisheries*
 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*
 George McPhail Smith, Ph.D. (Freiburg) *Professor of Inorganic Chemistry*
 Howard Thompson Lewis, A.M. (Wisconsin) *Professor of Economics; Dean of the College of Business Administration*
 Burt Persons Kirkland, A.B. (Cornell) *Professor of Forestry*
 Charles Edwin Weaver, Ph.D. (California) *Professor of Geology*
 John Locke Worcester, M.D. (Birmingham School of Medicine) *Professor of Anatomy*
 Howard Hall Preston, Ph.D. (Iowa) *Professor of Business Administration*
 George Wallace Umphrey, Ph.D. (Harvard) *Professor of Romance Languages*
 Edward D. Randolph, Ph.D. (Columbia) *Professor of Education*
 Joseph Daniels, M.S. (Lehigh) *Professor of Mining Engineering and Metallurgy*
 Charles William Harris, C.E. (Cornell) *Professor of Civil Engineering*
 Friedrich Kurt Kirsten, B.S., E.E. (Washington) *Professor of Electrical Engineering*
 William Daniel Moriarty, Ph.D. (Michigan) *Professor of Business Administration*
 William Edward Cox, A.M. (Texas) *Professor of Business Administration*
 Alexander C. Roberts, Ph.D. (Washington) *Professor of Education; Director of the Extension Service; Dean of the Summer Session*

*Absent, 1926-1927.

Charles Emanuel Martin, Ph.D. (Columbia).....	Professor of Political Science
Edgar Allen Loew, B.S. (E.E.) (Wisconsin).....	Professor of Electrical Engineering
Herbert Ellsworth Cory, Ph.D. (Harvard).....	Professor in Liberal Arts
Roy Martin Winger, Ph.D. (Johns Hopkins).....	Professor of Mathematics
Edward Godfrey Cox, Ph.D. (Cornell).....	Professor of English
Allen Fuller Carpenter, Ph.D. (Chicago).....	Professor of Mathematics
Roderick Duncan McKenzie, Ph.D. (Chicago).....	Professor of Sociology
Thomas Kay Sidey, Ph.D. (Chicago).....	Associate Professor of Latin and Greek
Edward McMahon, A.M. (Wisconsin).....	Associate Professor of American History
Henry Louis Brakel, Ph.D. (Cornell).....	Associate Professor of Engineering Physics
George Burton Rigg, Ph.D. (Chicago).....	Associate Professor of Botany
Charles Goggio, Ph.D. (Wisconsin).....	Associate Professor of Romance Languages
Herman Vance Tartar, Ph.D. (Chicago).....	Associate Professor of Chemistry
Eldin Verne Lynn, Ph.D. (Wisconsin).....	Associate Professor of Pharmacology and Chemistry
Henry A. Langenhan, Ph.D. (Wisconsin).....	Associate Professor of Pharmacy
Walter Isaacs, B.S. (James Milliken).....	Associate Professor of Fine Arts
Macy Milmore Skinner, Ph.D. (Harvard).....	Associate Professor of Business Administration
Thomas Gordon Thompson, Ph.D. (Washington).....	Associate Professor of Chemistry
Grace Goldena Denny, A.M. (Columbia).....	Associate Professor of Home Economics
William Henry George, Ph.D. (Harvard).....	Associate Professor of Political Science
Dudley David Griffith, Ph.D. (Chicago).....	Associate Professor of English
Samuel Herbert Anderson, Ph.D. (Illinois).....	Associate Professor of Physics
Bror Leonard Grondal, M.S.F. (Washington).....	Associate Professor of Forestry
Edwin Ray Guthrie, Ph.D. (Pennsylvania).....	Associate Professor of Psychology
Hewitt Wilson, Cert. Eng'r. (Ohio State University).....	Associate Professor of Ceramics
Theresa Schmid McMahon, Ph.D. (Wisconsin).....	Associate Professor of Economics
Edwin James Saunders, A.M. (Harvard).....	Assistant Professor of Geology
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	
Ernest Otto Eckelman, Ph.D. (Heldelberg).....	Assistant Professor of German
John William Hotson, Ph.D. (Harvard).....	Assistant Professor of Botany
George Edward Goodspeed, Jr., B.S. (Massachusetts Institute of Technology).....	Assistant Professor of Geology
Curtis Talmadge Williams, Ph.D. (Clark).....	Assistant Professor of Education
Louis Peter DeVries, Ph.D. (Wisconsin).....	Assistant Professor of Romance Languages
Leslie Spier, Ph.D. (Columbia).....	Assistant Professor of Anthropology
*Henry Stephen Lucas, Ph.D. (Michigan).....	Assistant Professor of History
Virginia Cunningham Patty, B.S. (Columbia).....	Assistant Professor of Home Economics
August Dvorak, Ph.D. (Minnesota).....	Assistant Professor of Education
Rachel Emilie Hoffstadt, Ph.D. (Chicago), Dr.S. (Johns Hopkins).....	Assistant Professor of Bacteriology
John Earl Guberlet, Ph.D. (Illinois).....	Assistant Professor of Zoology
Robert Cunningham Miller, Ph.D. (California).....	Assistant Professor of Zoology
Frank Joseph Laube, M.A. (Washington).....	Assistant Professor of Political Science
Ralph Mason Blake, Ph.D. (Harvard).....	Assistant Professor of Philosophy
Kenneth Cole, B.Lit. (Oxford).....	Assistant Professor of Political Science
Jessie Irene Rowntree, M.S. (Chicago).....	Assistant Professor of Home Economics
Anna Alfrida Storm, B.F.A. (Washington).....	Associate in Design
Helen Nelson Rhodes, (Columbia).....	Instructor in Design
Emily Josephine Kramer, M.A. (Chicago).....	Instructor in Design
Forest Jackson Goodrich, M.S. (Washington).....	Instructor in Pharmacy and Materia Medica
Graduate Council: Dean Padelord, Chairman; Deans Thomson, Roberts, Magnusson, and Lewis; Professors Meany, Osborn, Frye, Moritz, Dehn, Woolston, Williams and Guthrie.	

GENERAL STATEMENT

SPECIAL NOTE.—*For detailed information concerning special facilities for graduate work in the various departments, consult the bulletin issued by the Graduate School.*

The Aims of Graduate Study.—The principal aims of graduate study are the development of intellectual independence through cultivation of the scientific, critical and appreciative attitude of mind, and 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 on 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 consists of men offering courses primarily designed for graduate students.

Fees.—Graduate students pay a tuition fee of \$15 a quarter for the autumn, winter and spring quarters, if residents of the State of Washington or of Alaska, or \$50 a quarter for each of these quarters if non-residents. The regular fee for the summer quarter is \$20 for students at the University; \$25, including a \$5 laboratory fee, for students at the Biological Station.

Members of the staff on a full-time teaching schedule are relieved of all tuition. Teaching fellows, graduate scholars—formerly known as graduate assistants and graduate readers—and non-instructional employees of the University pay a tuition fee of one dollar per quarter for each credit hour on the election blank.

Incidental fees, such as library and laboratory fees, are required from all who receive graduate instruction.

LIBRARY FACILITIES

The University general library contains 153,879 volumes, and receives virtually all of the publications of learned societies. The law library contains approximately 46,975 volumes, and there are well equipped departmental libraries in chemistry, English, mathematics, education, and biological science. The Seattle public library of some 370,000 volumes is open to students without charge.

Collections of special significance are mentioned in the departmental announcements.

SPECIAL FACILITIES

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. The purpose of the foundation is (1) to conduct a laboratory for the mental and physical examination of children 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.

The Alice McDermott Memorial Fund.—The late Mrs. Josephine P. McDermott made provision in her will for the establishment of the Alice McDermott Memorial Fund at the University of Washington. The amount of this bequest is one hundred thousand dollars (\$100,000) available for one or both of the following purposes:

1. Research work in or in connection with the University of Washington tending to promote the prevention or cure of tuberculosis.

2. The purchase of radium for research work in connection with disease or for actual treatment thereof.

Engineering Experiment Station.—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.

The scope of the work is two-fold:

1. 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;

2. To undertake extended research and to publish reports on engineering and scientific problems.

Every effort will be made to cooperate effectively with professional engineers and the industrial organization 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.

For administrative purposes, the work of the station is organized into eight divisions: (1) Forest products, (2) mining, metallurgy and ceramics; (3) aeronautical engineering, (4) chemical engineering and industrial chemistry, (5) civil engineering, (6) electrical engineering, (7) mechanical engineering, (8) physics standards and tests.

Puget Sound Biological Station.—The Puget Sound Biological Station, open during the summer quarter for classes and to research workers by special arrangement at other times, is located at Friday Harbor in San Juan County. This region is unsurpassed in natural advantages for a marine biological laboratory, perhaps the most fortunate in the country. The very varied conditions result in the presence of a very diverse flora and fauna. The protected shores make it easy and comparatively safe to get about.

The sea life embraces a great abundance of the following animal forms: hydroids, echinoderms, shore crabs, worms, bivalves, gastropods, nudibranchs, star fish, sea urchins, anemones, sea-cucumbers and barnacles, medusae and jelly fish, and a hundred species of other fish. Water fowl nest on rocky cliffs.

All of the four groups of algae are abundantly represented, between 75 and 100 species being found, exclusive of microscopic forms. Among the brown algae, the kelps predominate, *Nereocystis* being the most abundant, though the other species of kelp are common. *Fucus* is the most prevalent of the rock weeds. Among the red algae are *Polysiphonia Gigartina*, *Porphyra* and *Ampiroa*; among the green algae, *Ulva*, *Enteromorpha* and *Codium*; and among the blue-green algae, *Nostoc* and *Dermocarpa*. Diatoms of many forms abound.

With this rich fauna and flora, some of which are available in shore work and others brought up by the dredge, there are large opportunities for work in taxonomy, morphology, cytology, ecology and physiology. Since the region is still somewhat new scientifically, there is much important work to be done in taxonomy and local distribution. As there are several forms of which the life history is not completely known, the morphological work is attractive. The problems in physiology, both in the field and in the laboratory, are numerous. The opportunities for work in ecology are excellent and many of them will have important economic bearing on fisheries problems. Thus among the important lines of investigation may be mentioned study of the diatoms, bacteria, and various fish parasites.

The University owns 484 acres with about two miles of shore line, and the state has made the whole county a marine preserve. Three new buildings have been erected within the last two years; two of them are permanent fireproof laboratory buildings. The station publishes a series, now in its third volume, known as the Publications of the Puget Sound Biological Station. There is a station library of about 1,000 volumes.

LABORATORIES

The University has well-equipped laboratories for advanced work in anatomy, botany, ceramics, chemistry, civil, chemical, electrical, mechanical and mining engineering, fisheries, forestry, geology, metallurgy, pharmacy, physics, psychology and zoology.

GRADUATE FELLOWSHIPS AND SCHOLARSHIPS

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

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

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

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

Research Fellowships in Mining and Metallurgy.—The College of Mines of the University in cooperation with the United States Bureau of Mines offers five fellowships in mining and metallurgical research. The fellowships are open to graduates of universities and technical schools who are properly qualified to undertake research work. The value of each fellowship is \$720 per year of twelve months. Fellowship holders are required to register as graduate students and to become eligible for the degree of master of science in mining engineering or metallurgy, unless an equivalent degree has previously been earned. Applications are due not later than April 20, and should be addressed to the Dean, College of Mines, University of Washington, Seattle, Washington.

Du Pont Fellowship.—Through its chemical department, Du Pont de Nemours & Co. offer a scholarship of \$700 in chemistry, known as the "Du Pont Scholarship," open to a senior student or graduate student in chemistry or chemical engineering.

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

The Effie I. Raitt Fellowship.—The Effie I. Raitt fellowship of \$600 is offered annually to a graduate student in home economics for research work in nutrition.

The Grace G. Denny Fellowship.—The Grace G. Denny fellowship of \$600 is offered annually to a graduate student in home economics for research work in household budgeting.

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

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

Rosenberg Scholarship.—A scholarship of \$200, known as the "Samuel Rosenberg Scholarship, endowed in loving memory by Ella S. Rosenberg, his wife," is open to graduate students in French.

ADMISSION

Three classes of students are recognized in the Graduate School:

1. Candidates for the master's degree.
2. Candidates for the doctor's degree.
3. Students not candidates for a degree.

Admission.—A graduate of the University or of any other institution of good standing will be admitted to the Graduate School. Before being recognized as a candidate for a degree, however, a student must be approved by a committee appointed by the dean of the Graduate School, which shall also constitute the advisory committee to oversee the student's subsequent work. Unless the committee is already sufficiently acquainted with the candidate's capacity and attainments, there shall be a conference of the committee and the candidate, the purpose of which is two-fold:

(a) To determine whether the student has the quality of mind and the attitude toward advanced work which would justify his going on for an advanced degree.

(b) To satisfy the major and minor departments and the graduate council that the student has the necessary foundation in his proposed major and minor subjects. If he lacks this foundation, he will be required to establish it through undergraduate courses or supervised reading.

If the student is from a college or university which falls below a satisfactory standard in curriculum, efficiency of instruction, equipment or requirements for graduation, he may be required to take other undergraduate courses in addition to those required as a foundation in the major and minor subjects.

As soon after matriculation as feasible, a candidate for an advanced degree must file with the dean of the Graduate School an outline of his proposed work, on a blank provided for that purpose. This blank is submitted to the advisory committee for acceptance or modification. When it has received approval of the graduate council and the student has been notified, he will be regarded as a candidate for a degree.

Students on the Staff.—Assistants, associates, or others in the employ of the University are normally permitted to carry a maximum of six hours of graduate work if full-time employees, and a maximum of 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 on graduate work during the summer quarter. Graduates of colleges or universities in attendance then are urged to enroll for the strictly graduate courses, as these courses give an opportunity to work with a select group of mature students toward the acquisition of an advanced degree.

Graduate students will enroll with the dean of the Graduate School.

Attendance during three summer quarters will satisfy the residence requirement for the master's degree. A fair amount of credit toward the doctor's degree may also be earned in the summer quarter.

Graduate Credit for Extension Courses.—(1) Students who have received bachelor's degrees elsewhere may earn graduate credits through the Extension Division under the following limitations:

a. Nine credits (one-fifth of the normal requirement for the master's degree) may be earned in approved Home Study or Extension class courses of graduate standing.

b. Such students must, however, meet the residence requirement of three full quarters.

(2) Students who have earned bachelor's degrees from the University of Washington may earn graduate credits through the Extension Division under the following limitations:

a. Nine credits (one-fifth of the normal requirement for the master's degree) may be earned in approved Home Study or Extension class courses of graduate standing.

b. Such students must meet a residence requirement of two and a half quarters.

DEGREES

THE DOCTOR'S DEGREE

Doctor of Philosophy.—Graduate students will be received as candidates for the degree of doctor of philosophy in such departments as are adequately equipped to furnish the requisite training. Each department introduces its program of courses with a specific statement of the graduate training that it is prepared to direct, and of the distinctive opportunities that it offers for graduate work. This degree is conferred only on those who have attained proficiency in a chosen field and who have demonstrated their mastery by preparing a thesis which is a positive contribution to knowledge.

The requirements for the degree of doctor of philosophy are as follows:

1. At least three years of graduate work, of which not less than one year must be spent in residence at the University of Washington. If a candidate is otherwise engaged in any regular employment, a correspondingly longer period of study will be required. Before being recognized as a candidate for the degree, a student must be approved by a committee as provided above.

2. Completion of courses of study in a major and one or two minor subjects. This requirement as to the number of minors, however, may in exceptional cases be modified by action of the Graduate Council, making it possible for the candidate to offer more than two minors, or no minor at all. What subjects may be offered as minors shall be determined by the major department with the approval of the Graduate Council. The marks for graduate students shall be "passed" or "failed." In courses open to

undergraduates and graduates, the passing grade for a graduate student shall be "B" or above if the course is in his major subject, "C" or above if the course is in his minor subject.

These courses of study cover at least two years of work. The work of the first year is virtually identical with that for the master's degree, and normally the candidate will wish to take this degree incidentally; the work of the second year is of still more advanced character. Not earlier than the end of the second year and at least a year before the time when the candidate expects to take the degree, the major and minor departments supplemented by a representative from the graduate council, shall submit the candidate to a careful oral and written examination, to determine whether he has the native equipment and the scholarship to warrant him in continuing.

3. The preparation of a thesis, as stated above, embodying the results of independent research. This thesis may properly be initiated in the second year, and should occupy the greater part of the third year. If the thesis is of such a character, or falls in such a department, that it requires library or laboratory facilities beyond the resources of the University, the student will be required to carry on his investigation at some other university, at some large library, or in some special laboratory. This thesis must be approved by a committee appointed by the major department of which the instructor in charge of the thesis shall be a member, and also by a special committee from the graduate council.

4. Examinations as follows:

The Preliminary Examination.—An oral, or oral and written examination, covering the major and minor subjects. In so far as the examination is oral, it shall be before a committee appointed by the dean of not less than three representatives of the major department, not less than one representative of each of the minor departments, and a representative of the graduate council. The preliminary examination will normally be taken not less than two quarters before the final examination.

The Final Examination.—An oral, or oral and written examination, before the same committee as above. If the preliminary examination was in all respects satisfactory, the final examination shall be on the field of the thesis and such courses as were taken subsequent to the preliminary examination. If the preliminary examination did not meet with the clear approval of the committee, the candidate's entire program, or such parts thereof as may have been designated by the committee, shall be subject to review.

If there is division of opinion in the committee in charge of either examination, the case shall be decided by the graduate council, with right of appeal to the graduate faculty.

5. Evidence of a reading knowledge of scientific French and German and of such other languages as individual departments may require. Such evidence must be filed with the dean and approved by him, and this should be done at least one academic year before the degree is granted. Only in rare cases shall the requirement of a reading knowledge of scientific French and German be waived, and then only when, in the judgment of the council, substitutions for either or both of these languages will be to the advantage of the student's training.

6. One copy of the thesis in typewritten form (or library hand) shall be bound at the expense of the candidate and deposited with the librarian for permanent preservation in the University archives, at least four weeks before the date on which the candidate expects to take the degree.

The thesis, or such parts thereof, or such a digest as may be designated by the council, shall be printed. The candidate shall contribute \$100 to a fund for printing of theses, whether his thesis appears in the University series or elsewhere. From this fund the library is provided with 300 copies and the candidate with 50 copies.

7. A card certifying that all courses and examinations have been passed and that the thesis has been accepted and properly filed in the library, shall be presented to the dean at least one week before graduation. This card must bear the signatures of all major and minor instructors in charge of the student's work, of the committee appointed by the major department to pass on the thesis, and of the librarian or his appointed representative.

THE MASTER'S DEGREE

Master of Arts.—The degree of master of arts implies advanced liberal training in some humanistic field, gained through intensive study of one of the liberal arts supplemented by study in one or two supporting subjects. This detailed study culminates in a thesis which, if not an actual contribution to knowledge, is concerned with the organization and interpretation of the materials of learning. Creative work of a high quality may be offered in lieu of a thesis.

Master of Science.—The degree of master of science implies training similar to the above in some province of the physical or biological sciences. The thesis for this degree, however, must be an actual contribution to knowledge.

The requirements for the degrees of master of arts and master of science are as follows:

1. At least three full quarters or their equivalent spent in undivided pursuit of advanced study. If a candidate has done graduate work elsewhere, his program may be slightly less exacting, but this work must pass review in the examination, and shall not reduce the residence requirement at this University.

2. Completion of a course of study in a major and one or two minor subjects and of a thesis which lies in the major field. The work in the major and minor subjects shall total not less than 36 hours, of which 24 are normally in the major. The thesis normally counts for 9 hours in addition. The marks for graduate students shall be "passed" or "failed." In courses open to undergraduates and graduates, the passing grade for a graduate student shall be "B" or above if the course is in his major subject, "C" or above, if the course is in his minor subject.

The requirements of a minor or minors may be waived, but only on recommendation of the head of the major department and with the consent of the graduate council.

No work in the major subject may be counted toward the master's degree until the candidate has complied with the departmental requirements as to previous work in that subject, which in no case shall be less than eighteen hours.

Elementary or lower division courses may not count toward the minor requirement, and teachers' courses may not count toward either the major or minor requirements.

The preparation of a thesis, as defined above.

4. An oral, or written, or an oral and written examination, given by a committee appointed by the head of the major department, including so far as feasible, all the instructors with whom the student has worked. If division of opinion exists among the examiners, the case shall be decided by the graduate council, with right of appeal to the graduate faculty.

5. The candidate's thesis shall be in charge of the instructor in whose field the subject falls, and it must be approved by a committee of the major department, of which the instructor in charge shall be a member. If the committee is divided in opinion, the case shall be decided by the graduate council, with right of appeal to the graduate faculty. At least two weeks before the date on which the candidate expects to take the degree, one copy of the thesis in typewritten form or printed form (or library hand, in case the thesis is of such a character that it cannot be typewritten) shall be deposited with the librarian for permanent preservation in the Uni-

versity archives. The thesis must meet the approval of the librarian as to form, and the cost of binding must be deposited with the thesis.

6 A card certifying that all courses and examinations have been passed, and that the thesis has been accepted and properly filed in the library, shall be presented to the dean at least one week before graduation. This card must bear the signatures of all instructors in charge of the student's work, of the instructors in charge of the thesis, and of the librarian or his appointed representative.

Master of Science in Technical Subjects.—The degree of master of science is given in technical subjects as follows:

- Master of Science in Chemical Engineering
- Master of Science in Civil Engineering
- Master of Science in Electrical Engineering
- Master of Science in Mechanical Engineering
- Master of Science in Ceramic Engineering
- Master of Science in Coal Mining Engineering
- Master of Science in Geology and Mining
- Master of Science in Metallurgy
- Master of Science in Mining Engineering
- Master of Science in Forestry
- Master of Science in Fisheries
- Master of Science in Pharmacy
- Master of Science in Home Economics

The requirements for these degrees are essentially the same as those for the degrees of master of arts and master of science.

Master's Degree in Technical Subjects.—The master's degree is given in technical subjects as follows:

- Master of Forestry
- Master of Business Administration
- Master of Laws
- Master of Fine Arts

The requirements for these degrees are essentially the same as those for the degree of master of arts and master of science, with the exception that all the work may be in the major.

PROFESSIONAL DEGREES

Professional Degrees.—The professional degrees of chemical engineer, civil engineer, electrical engineer, mechanical engineer, metallurgical engineer and engineer of mines may be conferred in three years on those who hold the bachelor of science degree in their respective lines from the University of Washington, who give evidence of having engaged continuously in acceptable engineering work and who present satisfactory theses. At least two weeks before the date on which the candidate expects to take the degree, one copy of the thesis in typewritten or printed form (or library hand, in case the thesis is of such a character that it cannot be typewritten) shall be deposited with the librarian for permanent preservation in the University archives. The thesis must meet the approval of the librarian as to form, and the cost of binding must be deposited with the thesis.

COURSES OF STUDY

For description of courses, see Departments of Instruction section.

EXPLANATION

This section of the catalogue contains a list of all courses of study offered in the University. The departments are arranged in alphabetical order.

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 withdrawal of a course, no fee will be charged.

Courses bearing numbers from 7 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 quarter's work.

The credit indicated in connection with each course is the "quarter credit," being based on the class period 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 * are not given in 1926-1927.

Courses preceded by ** are given if a sufficient number of students elect them.

DEPARTMENTS OF INSTRUCTION

AERONAUTICAL ENGINEERING

Aeronautical Laboratory

Professor Kirsten

101. Aerodynamics.—Use of the wind tunnel in determination of the characteristics of aerofoils, selection of aerofoils for a given purpose. Prerequisite, junior standing. Three credits; autumn, winter, spring. Kirsten.

111. Aerial Propellers.—Theory and design of airscrews including review of methods of calculating thrust and efficiency. Prerequisite, junior standing. Three credits; autumn. Kirsten.

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; distribution of weights and proportioning of parts. Prerequisite, A.E. 101. Three credits; winter, spring. Kirsten.

****141. Airships.**—Aerostatics, including study of lighter-than-air machines. Prerequisite, A.E. 101. Three credits. Kirsten.

****161. Aerial Transportation.**—Design and layout of landing fields and aircraft terminals. Aerial transportation as an industrial factor and as an instrument of warfare. Prerequisite, A.E. 111, 121, 141. Three credits. Kirsten.

ANATOMY

Science Hall and Anatomy Laboratory

Professor Worcester

GROSS ANATOMY

25.—Service course for hospital students. Two credits; autumn or spring. Worcester.

101, 102, 103. General Human Anatomy.—Thorough study of the human body. Osteological collections are available. Especially for students taking the pre-medical, nurses', or physical education courses; open to others. Prerequisite, Zool. 1 and 7 or their equivalent. Lab. fee, \$7.50. Three or six credits a quarter; autumn, winter, spring. Worcester.

104. Topographic Anatomy.—Cross and sagittal sections for correlation. Prerequisites, Anat. 101, 102, and 103. Lab. fee, \$5. Four credits; autumn, winter, and spring. Worcester.

108. Special Dissections.—For physicians or students who have completed the above courses in gross anatomy. Lab. fee, \$5. Hours and credits to be arranged; autumn, winter, spring. Worcester.

MICROSCOPIC ANATOMY

105, 106. Histology and Embryology.—Microscopic anatomy of developing and adult mammals studied both in their fresh and fixed conditions. Especially for students in pre-medical and nurses' courses but open to others. Prerequisite, Zool. 1 and 7 or their equivalent. Lab. fee, \$3. Six credits a quarter; autumn and winter. Worcester.

**Will be given if sufficient number of students elect the course.

107. *Neurology*.—Dissection of the human brain and cord and special organs of sense; comparative developmental history of the central nervous system; a microscopic study of the nuclei and fiber tracts. Prerequisites, Anat. 105 and 106 or their equivalents. Especially for pre-med students but open to others. Lab. fee, \$3. Six credits a quarter; spring. Worcester.

200. Graduate and research work in anatomy for those qualified. Credits and time arranged. Autumn, winter, spring. Worcester.

ANTHROPOLOGY

Education Hall

Assistant Professor Spier

51. *Evolution of Civilizations*.—A general survey of human history: origin and development of arts and industries; race questions. Five credits; winter. Spier.

52. *Primitive Social Life*.—Five credits; spring. Spier.

101. *Basis of Civilization*.—Factors that determine the growth of civilizations, as illustrated by the North American Indians. Prerequisite, Anthro. 51 or instructor's permission. Five credits; spring. Spier.

*110. *Peoples of Europe*.

*111. *Peoples of the Pacific Area*.—Background for political and social studies in the Pacific. Ethnography and racial origin of native peoples; modern populational movements. Prerequisite, Anthro. 51 or 52. Three credits. (Offered in 1927-1928.) Spier.

141. *Folk Tales*.—Historical and psychological analyses. Research problems. Prerequisite, Anthro. 51 or instructor's permission. Three credits; spring. Spier.

*143. *Origins of Art*.

163. *Racial History*.—Race classifications; growth of children; racial and social influences. Three credits; winter. Spier.

185. *Primitive Social and Political Institutions*.—Theories of development. Five credits; winter. Spier.

190, 191, 192. *Research*.—Instructor's permission necessary. Credits and hours to be arranged. Spier.

COURSES FOR GRADUATES ONLY

204, 205. *Anthropological Methods and Theories*.—Analysis of culture; historical and psychological methods; theories of culture growth. Three credits a quarter; winter, spring. Spier.

ARCHITECTURE

Education Hall

Professor Gould; Associate Professor May; Assistant Professors Herman, Gowen

All students contemplating the study of architecture should confer with the head of the department as to their special qualifications and reasons for entering the professional study of architecture. A student should have

*Not offered in 1926-27.

credits in plane geometry, algebra through quadratics, trigonometry, physics, and at least two years of foreign language. Forty hours of foreign language are required for graduation, twenty hours of which are provided in the curriculum. The romance languages, particularly French, should be chosen, though freedom of choice is allowed.

1-2. Architectural Appreciation.—Illustrated lectures giving an historic survey of domestic architecture. Exercises in drawing and simpler elements of buildings. Excursions to buildings and building supply companies. Two credits a quarter; autumn, winter. Gould.

3. Architectural Appreciation.—General survey of important periods of architectural history studied, wherever possible, in terms of present day conditions. Two credits; spring. Gould.

4-5-6. Elements of Architectural Design.—Problems in architectural drawing, such as walls, doors, windows, colonnades, and vaults. One hour lecture a week on the elements of architecture and library research. To be taken in connection with Arch. 7-8-9. Four credits a quarter; autumn, winter, spring. Herrman.

7-9-8. Graphical Representation.—Elementary principles of orthographic projections, geometrical determination of shades and shadows on architectural forms; and principles and methods of perspective as applied to architectural drawing. To be taken in connection with Arch. 4-5-6. One credit a quarter; autumn, winter, spring. Herrman.

47-48. Elementary Theory of Construction.—Analysis of fundamental structural problems by application of the laws of equilibrium. Three credits a quarter; autumn, winter. May.

51-52-53. History of Architecture.—Technical study of the architecture of Egypt, Greece, Rome, Byzantium, the Romanesque and Gothic. Principles of historic design in terms of structural elements; theory of planning. Illustrated lectures and library research. Prerequisite, Arch. 3. Two credits a quarter; autumn, winter, spring. Gould.

54-55-56. Architectural Design, Grade I.—Problems of design under individual criticism; order problems and simple problems of buildings. Work is done under the Society of Beaux Arts, New York, system and work is sent to New York for judgment in competition with work from the leading architectural schools of the country. (B.A.I.D., Class B, Analytique). Lab. fee, \$5. Prerequisite, Arch. 6. Three credits any quarter; autumn, winter, spring. Gould, Gowen.

60-61-62. Working Drawings.—Lectures on simple building construction methods. Drafting room practice in working drawings. Interpretation of rough sketches and design studies in terms of construction. Full size and large scale studies of detail. Inspection trips. Two credits a quarter; autumn, winter, spring. Herrman.

101-102-103. History of Architecture.—The Renaissance. Comparative study of the periods in European architecture. Illustrated lectures and library research. Prerequisite, Arch. 53. Two credits a quarter; autumn, winter, spring. Herrman.

104-105-106. Architectural Design, Grade II.—Advanced problems in design done under individual criticism. (B.A.I.D., Class B Projets). Lab. fee, \$5. Prerequisite, Arch. Design Grade I. Five credits any quarter; autumn, winter, spring. Herrman, Gould.

112-113. Freehand Drawing.—Studies of cast of the human figure, charcoal, flat wash, and pencil. Lab. fee, \$1. Prerequisite, P.S.D. 7. Two credits a quarter; autumn, winter. Pratt.

114. *Freehand Drawing, Water Color.*—Still life studies, and outdoor sketching in water color; lab. fee, \$1. Prerequisite, Arch. 113. Two credits; spring. Pratt.

116. *Specifications and Office Practice.*—Specifications and all contract forms used by the architect; modern business methods, ethics and office organization. Two credits; spring. Gould.

117. *Building Construction.*—General principles of structural design; girders, columns and roof trusses in timber and steel as applied by the architect. Prerequisite, C.E. 130. Three credits; winter. May.

118. *Building Construction.*—Principles of concrete design; slab, joists, tile and joist, columns, etc., as applied by the architect. Prerequisite, Arch. 117. Three credits; spring. May.

151. *History of Architecture.*—Modern architecture in America and Europe from the middle of the eighteenth century to the present time. Illustrated lectures, library research, class discussions and papers. Prerequisite, Arch. 103. Two credits; autumn. Gowen.

152. *Theory of Architecture.*—Theory of architectural design, relation of composition and scale, and planning. Class discussions and lectures. Prerequisite, Arch. Design, Grade II. Two credits; winter. Gowen.

153. *Architectural Materials.*—Properties of materials used in architectural construction and practice; steel, concrete, wood, plaster, paint, varnish, etc. Senior standing. Two credits; spring. Gowen.

154-155. *Architectural Design, Grade III.*—Advanced design under individual criticism. (B.A.I.D., Class A Projets). Lab. fee, \$5. Prerequisite, Arch. Design, Grade II. Seven credits a quarter; autumn or winter. Gowen.

156. *Thesis and Seminar.*—Architectural design problem with structural details and reports covering a complete architectural project. Individual criticism subject to program and requirements as determined by the faculty. One seminar class hour a week for discussions of projects and of topics of current interest to architects. Lab. fee, \$5. Prerequisite, Arch. Design Grade III. Eight credits; spring. Gowen.

157, 158, 159. *Architectural Problems.*—Class "A" B.A.I.D. Problems and advanced local problems in design. Prerequisite, Arch. 156. Three to seven credits; any quarter. (The amount of credit given will be proportionate to the duration in weeks of the problems taken, with a maximum of seven credits and a minimum of three.) Fee \$7.50 for the academic year or any quarter of the academic year unless student has previously, the same academic year, registered for Arch. 156, in which case the amount of that fee will be deducted. Gould, Gowen.

160, 161. *Pencil Sketching.*—Pencil sketches of architectural subjects—the first quarter from photograph, the second from actual subject. Criticism once a week on work done. Sketching to be done outside of class hours. Definite number of sketch points required for the course. One credit a quarter; autumn, spring. Gowen.

162-163. *Modelling.*—Modelling of architectural subject from program; work to be done outside of class hours or as arranged. Definite number of points required for the course. Senior standing. One credit; winter, spring. Gowen.

ASTRONOMY

The Observatory

Instructor Farwell

The work in astronomy is planned for (a) students who desire some knowledge of astronomy as part of a liberal education; (b) navigators and engineers who need some knowledge of the science as part of their technical equipment.

1. *General Astronomy*.—A descriptive, non-mathematical course, designed to give the student some idea of the solar system, the stars, and the place of the earth in the universe. Five credits; autumn, spring. Farwell.

53. *Practical Observing*.—Prerequisite, B.A. 52. Actual practice in finding latitude, longitude, and azimuth with the sextant. Lab. fee, \$1. One credit; spring. Farwell.

BACTERIOLOGY AND PATHOLOGY

Science Hall

Professor Weinzirl, Assistant Professor Hoffstadt, Lecturer G. A. Magnusson, Graduate Assistants Catle and Fitzgerald

COOPERATING LABORATORIES:

- A. W. Simpson, M.D., Director State Board of Health.
- P. C. West, M.D., Director Seattle Department of Health.
- E. D. Clark, Ph.D., Director National Cannery Association.
- W. E. Gibb, B.S., Director Virginia Mason Hospital.
- D. H. Nickson, M.D., Director Swedish Hospital.
- G. A. Magnusson, M.D., Director Physicians' Clinical.

The work in bacteriology provides training along the following lines: (a) As part of a liberal education; (b) as applied to medicine, nursing, pharmacy, fisheries, home economics, sanitary engineering, chemistry; (c) for the preparation of technicians and bacteriologists; (d) for advanced degrees.

4. *Food Bacteriology*.—Technique of handling bacteria. Fermentation, putrefaction, sterilization, sanitation, and canning. For short course fisheries, but open to others. Lab. fee, \$4. Four credits; winter. Weinzirl.

101. *General Bacteriology*.—Technique in growing and examining bacteria, identification of species, common disease bacteria. Prerequisite, junior standing except for bacteriology majors. Knowledge of biology and general chemistry is desirable. Lab. fee, \$4. Five credits; autumn, spring, summer. Weinzirl and Hoffstadt.

102. *Sanitary Bacteriology*.—Water supplies and sewage disposal; meat, milk and other foods; certain industrial applications. Prerequisite, Bact. 101. Lab. fee, \$4. Five credits; winter. Weinzirl and Hoffstadt.

103. *Public Hygiene*.—Conservation of health; prevention of diseases; school hygiene; industrial hygiene, etc. Prerequisite, junior standing except for bacteriology majors. Five credits; lectures only; spring. Lab. fee, \$1. Weinzirl.

104. *Serology*.—Types of immunity; immunization in animals and man; study of immune products. Prerequisite, Bact. 101. Lab. fee, \$5. Five credits; autumn. Hoffstadt.

105. *Infectious Diseases*.—Detailed study of the pathogenic bacteria, and methods of diagnosis of infectious diseases. Prerequisite, Bact. 101. Lab. fee, \$5. Five credits; winter. Hoffstadt.

106. *Clinical Diagnosis*.—Examination of blood, urine, gastric and intestinal contents, parasites, etc. Prerequisite, Bact. 101. Lab. fee, \$5. Five credits; spring. Magnusson and Hoffstadt.

112. *Pathology*.—Gross and microscopic study of inflammation, degeneration and tumors. Prerequisite, Anat. 105. Lab. fee, \$5. Five credits; autumn. Hoffstadt.

120, 121, 122. *Applied Bacteriology*.—By special arrangements the student may spend not less than 15 hours per week in state or city laboratories. Credit will depend upon a satisfactory statement from the director in charge of the laboratory. Five credits; autumn, winter, spring, summer. Weinzirl.

126, 127. *Journal Club*.—No credit; autumn, winter. Hoffstadt

COURSES FOR GRADUATES ONLY

204, 205, 206. *Advanced Bacteriology*.—Advanced work in definite fields on consultation. For 1927-8, and alternate years thereafter, the following topics will be handled in the conference: autumn, bacterial enzymes, Weinzirl; winter, bacterial plant diseases, Hotson; spring, industrial bacteriology, Weinzirl.

For 1926-7, and alternate years thereafter: autumn, compliment fixation, Hoffstadt; winter, ultraviruses and bacteriophage, Hoffstadt; spring, chemical pathology of the blood, Hoffstadt. Five credits; autumn, winter, spring, summer. Weinzirl.

207, 208, 209. *Seminar*.—Special topics. Credits to be arranged; autumn, winter, spring. Weinzirl.

210, 211, 212. *Research*.—Investigation of assigned problems. Open to qualified students after consultation. Credits to be arranged; autumn, winter, spring, summer. Weinzirl.

BOTANY

Science Hall

Professor Frye; Associate Professor Rigg; Assistant Professor Hotson

SUGGESTED SELECTIONS

For the required biological science in the Colleges of Liberal Arts and Science, only courses 1, 2, 3, 105, 106, 107 will be accepted.

For a major: Courses 105, 106, 107, 140, 141, 142, 143, 144, 145 of which 105, 106, 107 are required.

For teaching botany: 105, 106, 107, Edu. 160A, Bot. 140, 141, 142, 143, 144, 145, are suggested.

For pharmacy students: 13, 14.

For forestry students: 11, 12, 111, 140, 141, 142.

For fisheries students: 53.

1. *Elementary Botany*.—Structure and functions of roots, stems, leaves and seeds. For those who have had no botany in high school. Lab. fee, \$2. Five credits; autumn. Rigg and assistants.

2. *Elementary Botany*.—Types of the great groups of plants from the highest to the lowest. Open to students entering the second quarter without any previous botany. Lab. fee, \$2. Five credits; winter. Frye and assistants.

3. *Elementary Botany*.—Plant analysis; field work with local flora. Open to students entering without botany. Lab. fee, \$2. Five credits; spring. Frye and assistants.

11, 12. *Foresters' Botany*.—Types of plants illustrating the advance in complexity. For forestry students. Lab. fee, \$2. Five credits a quarter; winter and spring. Hotson and assistants.

13, 14. *Pharmacy Botany*.—Gross structure of vegetative and reproductive parts of seed plants, brief study of spore plants; microscopy of powdered drugs. Lab. fee, \$2. Five credits, winter; four credits, spring. Rigg and assistants.

53. *Aquatic Botany*.—Plants of fresh water habitats especially those involved in the study of fishes and their culture. Lab. fee, \$2. Five credits; spring. Rigg.

70. *Economic Botany*.—Plant products and their preparation as related to commerce. Two credits; autumn. Frye.

101. *Landscape Gardening*.—The plants used in beautifying lawns and houseyards, their propagation and use. Lab. fee, \$2. Three credits; spring. Hotson.

105, 106, 107. *Morphology and Evolution*.—Morphological study of types to show advances in complexity. Required for all majors unless courses 11 and 12 are taken in the freshman year. Prerequisite, 10 hours botany, or Zool. 1 and 2. Lab. fee, \$3. Five credits a quarter; autumn, winter, spring. Frye and assistant.

111. *Forest Pathology*.—Recognition and treatment of common wood destroying fungi. Prerequisite, 11 or 105. Lab. fee, \$2. Five credits; autumn. Hotson and assistant.

119. *Plant Histology*.—Preparation of slides for the microscope; a study of tissues. Prerequisite, 106. Lab. fee, \$3. Two to five credits; any quarter. Frye.

120. *History of Botany*.—The great ideas from the dawn of history to date. Three credits; autumn. Frye.

140, 141, 142. *General Fungi*.—Morphology and classification of fungi as a basis for plant pathology. Prerequisite, 11 or 105, junior standing. Lab. fee, \$2. Five credits a quarter; autumn, winter, spring. Hotson.

143, 144, 145. *Plant Physiology*.—Prerequisite, three quarters of botany and Chem. 21, 22. Lab. fee, \$3. Five credits a quarter; autumn, winter and spring. Rigg.

180, 181, 182. *Plant Pathology*.—Diseases of plants and the fungi which produce them. Prerequisite, ~~Bact.~~ 142. Lab. fee, \$2. Five credits a quarter; autumn, winter spring. Bot Hotson.

Teachers' Course in Botany.—See Educ. 160A.

COURSES FOR GRADUATES ONLY

200. *Proseminar*.—Semi-independent work by students. Open only on consultation with the head of the department. Lab. fee, \$2. Two to five credits; any quarter. Frye.

220. *Rusts*.—Prerequisite, ~~Bact.~~ 142. Lab. fee, \$2. Five credits; autumn. Bot Hotson.

233. *Research*.—Lab. fee, \$2. Two to five credits; any quarter. Frye.

247. *Diatoms*.—Prerequisite, ~~Bact.~~ 53 or 105. Lab. fee, \$2. Three credits; autumn. Bot Frye.

250. *Algae*.—Prerequisite, ~~Bact.~~ 105. Lab. fee, \$2. Credits to be arranged; autumn, winter. Bot Frye.

251. *Bryophytes*.—Prerequisite, ^{Bact} Bact. 106. Lab. fee, \$2. Credits to be arranged; any quarter. Frye.

271, 272, 273. *Experimental Morphology*.—Prerequisites, 106, 145, one year chemistry. Lab. fee, \$2. Two credits a quarter; autumn, winter, spring. Frye.

279. *Colloidal Biology*.—Prerequisites, ^{Bact} Bact. 143, Chem. 132. Lab. fee, \$2. Five credits; any quarter. Rigg.

280. *Micrometabolism*.—Prerequisites, 12 or 107, 145. Lab. fee, \$3. Five credits; any quarter. Rigg.

CERAMICS
Ceramics-Hall

See Mining, Metallurgy and Ceramics.

CHEMISTRY AND CHEMICAL ENGINEERING

Bagley Hall

Professors Benson, Johnson, Dehn, Smith; Associate Professors Tartar, Thompson, Lynn; Assistant Professors Beuschlein, Boynton, Powell; Instructor Sivertz; Associates Radford, Peterson, Jackson.

Instruction in this department is designed to satisfy, as far as possible, the requirements of students who desire to study chemistry as a means of culture and as a necessary complement of a liberal education; but as the subject is eminently practical, it is also the desire of those in charge to guide the student so that he may fit himself for work in lines in which chemistry has become an applied science.

REQUIREMENTS OF THE DEPARTMENT

Students wishing to specialize in chemistry may select one of the three courses: (1) the elective curriculum for those who want a general course in chemistry, leading to the degree of B.S. in the College of Science (see College of Science bulletin); (2) the suggested curriculum for those who intend to make use of chemistry as a vocation, leading to the degree of B.S. in Chemistry (see College of Science bulletin); (3) the prescribed curriculum in chemical engineering for those who plan to engage in manufacturing industries, leading to the degree of B.S. in Chemical Engineering (see College of Engineering bulletin). Courses 5, 6, 7, 8, 9, 10, 37, 38, and 39 may not be counted towards a major in the department.

The fee for each laboratory course is \$6.50 a quarter. This covers general laboratory expense such as gas, water and depreciation. For purchase of chemicals and apparatus, each student is required to buy a breakage ticket when he obtains his locker key. The cost of the tickets is \$5. Any unused portion will be refunded.

1-2. *General Inorganic Chemistry*.—Chemistry of the non-metallic elements. Open only to students not having had accredited high school chemistry. Three lectures and two laboratory periods a week. Five credits a quarter; any quarter. Smith, Tartar, Sivertz.

5-6. *General Chemistry*.—Open only to women in home economics, physical education liberal arts and fine arts. Three lectures and two laboratory periods a week. Five credits a quarter; winter, spring. Tartar.

7. *Nurses' Course*.—General chemistry for nurses. Three lectures. Two 3-hour laboratory periods. Five credits; autumn, spring. Benson.

8-9-10. *General Chemistry and Qualitative Analysis*.—Open only to pharmacy students. The work in the spring quarter is qualitative analysis. Three lectures and two laboratory periods a week. Five credits a quarter; autumn, winter, spring. Lynn.

21-22. *General Inorganic Chemistry*.—Chemistry of the non-metallic elements. Open only to students having had accredited high school chemistry. Three lectures and two laboratory periods a week. Five credits a quarter; any quarter. Smith, Tartar, Semon.

23. *Elementary Qualitative Analysis*.—Prerequisite, Chem. 2 or 22, or equivalent. Three lectures and two laboratory periods a week. Five credits; any quarter. Smith, Tartar, Sivertz.

37-38-39. *Organic Pharmaceutical Chemistry*.—Organic chemicals of the U.S. Pharmacopoeia. Open only to pharmacy students. Prerequisite, Chem. 10 or its equivalent. Three lectures and two laboratory periods a week. Five credits a quarter; autumn, winter, spring. Johnson.

52. *Chemical Technology*.—Application of mathematics, physics, and chemistry to unit chemical operations. No fee. Prerequisites Chem. 23, Physics 1 or 97 and Math. 61. Three lectures. Three credits; spring. Beuschlein.

55. *Forest Products*.—Prerequisite, Chem. 2 or 22. Three credits; spring. Benson.

101. *Advanced Qualitative Analysis*.—Two lectures and three laboratory periods a week. Prerequisite, Chem. 23 or its equivalent. Five credits; autumn, winter. Thompson.

104. *Food Chemistry*.—For home economics students. Methods of analysis of various foods and federal and state laws studied. Two lectures and two laboratory periods a week. Four credits; spring. Boynton.

109. *Quantitative Analysis*.—Gravimetric analysis. Prerequisite, Chem. 23 or its equivalent. Two lectures and three laboratory periods a week. Five credits; winter, spring. Thompson.

110. *Quantitative Analysis*.—Volumetric analysis. Two lectures and three laboratory periods a week. Prerequisite, Chem. 109. Five credits; autumn, spring. Thompson.

111. *Quantitative Analysis*.—Gravimetric and volumetric methods for students not majoring in chemistry. Prerequisite, two quarters of chemistry. Two lectures and three laboratory periods a week. Five credits; autumn, winter, spring. Thompson.

121, 122, 123. *Industrial Chemistry*.—Autumn—fuel, gases, cements, refractories, iron, steel, and alloys; winter—processes for manufacture of acids, alkalies; spring—organic industrial chemistry, oils, fats, paints, rubber, cellulose products. Three lectures and two laboratory periods a week. Prerequisite, Chem. 52, 111 or equivalent. Five credits a quarter, autumn, winter, spring. Benson, Beuschlein.

128-129. *Organic Chemistry*.—For medical, chemical, engineering and technical students. Three lectures and two laboratory periods a week. Prerequisite, Chem. 22 or its equivalent. Five credits a quarter; winter, spring. Powell.

131, 132, 133. *Organic Chemistry*.—For major students in chemistry and for students in the College of Science. Three lectures and two laboratory periods a week. Prerequisite, Chem. 23 or its equivalent. Five credits; autumn, winter, spring. Dehn.

134. *Manufacture of Industrial Organic Chemicals*.—Manufacture of

organic chemicals on a semi-commercial scale. Two laboratory periods a week. May be taken independently or as the laboratory equivalent of Chem. 129 or 133. Two credits; autumn. Powell.

135-136. *Organic Chemistry*.—For home economics students. Only women are admitted. Three lectures and two laboratory periods a week. Prerequisite, Chem. 6, or its equivalent. Five credits a quarter; autumn, winter. Powell.

140-141. *Elementary Physical Chemistry*.—Descriptive, non-mathematical, for pre-med and science students not majoring in chemistry. Chemistry majors may, with the instructor's permission, take this instead of 181-182. Two lectures and one laboratory period. Prerequisites, Chem. 111 or equivalent and ten hours of physics. Three credits a quarter; winter, spring. Sivertz.

144. *Physiological Chemistry*.—For fisheries and home economics students. Prerequisite, Chem. 129 or equivalent. Three lectures and two laboratory periods. Five credits; spring. Boynton.

ADVANCED UNDERGRADUATES AND GRADUATES

*150. *Industrial Seminar*.

161-162. *Physiological Chemistry*.—For students of medicine, biology, bacteriology and nutrition. Deals with chemical constitution, reactions, and products of living material both plant and animal. Prerequisite, Chem. 111 and 131 or equivalent. Three lectures and two laboratory periods. Five credits; autumn, winter. Boynton.

163. *Physiological Chemistry*.—Study of normal and pathological blood and urine. For students of medicine, nurses, and clinical technicians. Prerequisites, Chem. 111 and 131 or equivalent. One lecture and two laboratory periods. Three credits; spring. Boynton.

164. *Chemistry of Plant and Animal Tissues*.—Application of physiological chemistry to the study of biology. Prerequisite, Chem. 111 or 110 and 129. One lecture and two laboratory periods. Three credits; winter. Boynton.

165. *Chemistry of Nutrition*.—Enzyme and chemical reactions involved in digestion and metabolism. Prerequisite, Chem. 111 or 110 and 129. Two lectures and one laboratory period. Three credits; autumn. Boynton.

166. *Biochemical Preparations*.—Preparations of special substances involving biochemical methods. Two to three credits; autumn, winter, spring. Boynton.

171, 172. *Chemical Engineering*.—Basic operations common to chemical industries. Laboratory studies of typical apparatus. Three recitations and two laboratory periods. Prerequisite, Chem. 52, 123. Five credits; autumn, winter. Benson, Beuschlein.

173. *Chemical Engineering*.—Continuation of Chem. 172. Three drawing periods a week. No fee. Prerequisites, Chem. 52, 123. Three credits; spring. Benson, Beuschlein.

176, 177, 178. *Chemical Engineering Thesis*.—Subject to the approval of the head of the department, the student selects a suitable topic for investigation, which will be directed by the instructor concerned. A conference hour must be arranged. Final report must comply with the regulations of the University library. One to five credits a quarter; autumn, winter, spring. Benson, Beuschlein.

*Not offered in 1926-27.

181, 182, 183. *Physical and Theoretical Chemistry*.—Fundamental principles and theories of chemistry accompanied by physico-chemical measurements. Prerequisites one year (15 credits) college physics, and Chem. 110. Three lectures and two laboratory periods a week. Five credits a quarter; autumn, winter, spring. Tartar, Sivertz.

*190, 191. *History of Chemistry*. ج

Teachers' Course in Chemistry.—See Educ. 160B.

COURSES FOR GRADUATES ONLY

200. *Departmental Seminar*.—Required of all graduate students during residence. Assigned readings and reports on the chemical literature. No fee. One-half credit a quarter, maximum of two credits will be allowed to any student; autumn, winter. Thompson.

201, 202, 203. *Advanced Theoretical and Physical Chemistry*.—An advanced course giving a detailed study of different phases of the subject. Prerequisites, one year (15 credits) of college physics, calculus, and Chem. 182. No fee. Three lectures. Three credits a quarter; autumn, winter, spring. Tartar.

*204. *Chemistry of Colloids*.

✓205, 206, 207. *Inorganic Preparations*.—Preparation of special substances involving representative laboratory methods. Any quarter may be taken independently. Credits and laboratory period to be arranged; autumn, winter, spring. Smith.

208, 209. *Advanced Quantitative Analysis*.—Special methods of analytical chemistry. Either quarter may be taken independently. Prerequisite, Chem. 111 or its equivalent. One lecture and two laboratory periods. Three credits. autumn, winter. Thompson.

210, 211, 212. *Organic Preparations*.—Preparation of special substances involving representative laboratory methods. Any quarter may be taken independently. Credits and laboratory periods to be arranged. Autumn, winter spring. Dehn.

*219. *Advanced Chemical Engineering*.

221, 222, 223. *Advanced Inorganic Chemistry*.—Periodic system of the elements. Two quarters devoted to the elements and their ordinary compounds, and one quarter to the chemistry of the higher order compounds. Recommended for all majors and graduate students. No fee. Three credits a quarter; autumn, winter, spring. Smith.

230. *Organic Analysis*.—Special methods used in the analysis of organic substances. Prerequisite, Chem. 133 and 110. Laboratory periods to be arranged. Three or six credits; autumn, winter. Thompson.

231, 232, 233. *Advanced Organic*.—Detailed study of special fields of organic chemistry. Any quarter may be taken independently. Prerequisite, Chem. 129 or equivalent. No fee. Three lecture*. Three credits a quarter; autumn, winter, spring. Dehn.

249. *Graduate Seminar*.—Assigned readings and reports dealing with special topics. Offered as desired by members of the different divisions of the department. Hours and credit to be arranged. No fee. Autumn, winter, spring. Staff.

250. *Research*.—The work in research is of three types: (1) Special

*Not offered in 1926-27.

investigations by advanced students under direction of members of the staff; (2) Research for the master's degree. Maximum credit nine hours. (3) Research for the doctor's degree under direction of any member of the senior staff of the department. Maximum credit forty-five hours. Staff.

CIVIL ENGINEERING

Engineering Hall

Professors More, Allison, Harris; Associate Professor May; Assistant Professors Collier, Wilcox, Miller; Instructor Hamilton.

4. *Topographic Surveys.*—Field and office collection of information and platting of field notes for topographic surveys. For geology students. Lab. fee, \$2. Three credits a quarter; spring. Hamilton.

22. *Railroad Surveying.*—Plane curves, grades and earthwork. Elementary railroad engineering. Prerequisite, G.E. 21. Lab. fee, \$2. Four credits; autumn. Hamilton, Allison.

27. *Mine Surveying.*—Surface and underground practice; observation for meridian, topography; mining claim survey; tunnels, and vertical shaft work and connections; mapping. Prerequisite, G.E. 21. Sophomore mining engineers. Lab. fee, \$2. Three credits; winter. Hamilton.

55. *Forest Surveying.*—For students in forestry. Lab. fee, \$2. Two credits; winter. Hamilton.

56. *Forest Surveying.*—Chain, compass, transit and level surveying, with reference to work in forestry. Lab. fee, \$2. Five credits; spring. Hamilton.

71. *Quantity Surveys.*—Taking off quantities from plans preliminary to cost estimates. Prerequisites, G.E. 12, 13. One credit; winter. More.

75. *Civil Engineering Drawing.*—Finished drawings for contract and report exhibits, etc. Prerequisites, G.E. 12, 13. One credit; spring. More.

91, 92, 93. *Mechanics.*—For civil engineers.—Applications of elementary principles of statics, dynamics, and mechanics of materials. Prerequisite, G.E. 12. Three credits a quarter; autumn, winter, spring. More.

106. *Sanitation and Plumbing.*—For architects. Two credits; winter. Allison.

113. *Higher Surveying.*—Meridian observations; triangulation and base line measurements; computations and adjustment of measurements; plane table surveying. Prerequisite, G.E. 21. Lab. fee, \$2. Three credits; autumn. Collier.

114. *Field Engineering.*—Field and office practice in the survey of highways, railroads, canals, etc. Prerequisites, G.E. 21 and C.E. 22. Lab. fee, \$2. Four credits; spring. Collier.

115. *Railway Economics.*—Economic theory of railway location, operation and maintenance. Prerequisite, C.E. 114. Three credits; spring. Allison.

122. *Highways.*—Location and construction of standard types, with application to local conditions. Prerequisite, C.E. 22. Three credits; winter. Allison.

126. *Roads and Pavements.*—Materials, construction and maintenance. Laboratory study of materials used in pavement. Prerequisite, C.E. 122. Lab. fee, \$2. Five credits; autumn. Allison.

130. *Theory of Building Construction*.—For architects. Three credits; autumn. May.

131. *Mechanics*.—Algebraic and graphic application of elementary principles of statics. Prerequisites, Physics 97 and Math. 62. Three credits; autumn, winter, or spring. Miller, Hamilton, Collier, Hawthorn.

132. *Mechanics*.—Applications of elementary principles of dynamics. Prerequisite, C.E. 131. Three credits; autumn, winter, or spring. Miller, May, Collier, Hawthorn.

133. *Mechanics*.—Continuation of C.E. 131 and C.E. 132; and mechanics of materials. Prerequisite, C.E. 132. Three credits; autumn, winter, spring. Wilcox, Collier.

134. *Framed Structures*.—Application of mechanics to analysis of structural details and simple framed structures. Prerequisite, C.E. 93. Three credits; autumn. More.

135. *Advanced Mechanics*.—General theories of flexure. Problems in indeterminate structures. Senior and graduate engineers. Prerequisite, C.E. 93. Three credits; winter. More.

139. *Reinforced Concrete*.—Fundamental principles of reinforced concrete. Prerequisite, C.E. 134. Three credits; autumn. More.

142. *Hydraulics*.—Flow of water through pipes, orifices, over weirs, and in open channels; energy and reaction of jets with application to impulse wheels; review of hydrostatics. Prerequisite, C.E. 131 or C.E. 93. Lab. fee, \$2. Five credits; autumn, winter, spring. Harris, Hamilton, Wilcox.

143. *Hydraulic Engineering*.—Complete problems presenting hydraulic engineering. Prerequisite, C.E. 142. Three credits; winter. Harris.

145. *Hydraulic Machinery*.—Development and theory of water wheels and turbine pumps; design of a reaction turbine; hydrostatic machinery and dredging equipment. Prerequisite, C.E. 142. Three credits; spring. Harris.

147. *Hydraulic Power*.—Investigations for power development; generation of power; penstock and turbines; types of installations. Prerequisite, C.E. 142. Senior and graduate engineers. Five credits; autumn. Harris.

153. *Water Supply*.—Principal engineering operations necessary to secure suitable water supplies for cities, towns and industrial plants. Senior and graduate C.E. Prerequisite, C.E. 142. Three credits; spring. Allison.

154. *Sewerage and Drainage*.—Design and construction of sewerage and drainage systems for cities and towns. Senior and graduate C.E. Prerequisite, C.E. 142. Three credits; autumn. Allison.

155. *Water Supply Problems*.—Methods used in obtaining a suitable supply; purification of water. Senior and graduate C.E. and Ch.E. Prerequisite, C.E. 142. Three credits; winter. Allison.

157. *Irrigation Engineering*.—Investigation regarding duty of water and methods of obtaining it for irrigation purposes. Design and construction of irrigation works. Prerequisite, C.E. 142. Three credits; winter. Allison.

158. *Sewage Treatment*.—Supplementary to C.E. 154, especially relating to public health; sewage disposal; garbage collection and destruction. Senior and graduate C.E. and Ch.E. Three credits; spring. Allison.

160. *Building Construction*.—Building design and construction problems. Prerequisite, C.E. 134. Three credits; spring. More.

161. *Structural Design*.—Relation of theory of structure to engineering practice. Special application to roof and bridge trusses. Prerequisite, C.E. 134. Three credits; winter. More.

164. *Advanced Structural Design*.—Reinforced concrete, arches, statically indeterminate truss design. Prerequisite, C.E. 161. Five credits; spring. More.

167. *Materials of Construction*.—Properties of materials used in engineering construction, timber, concrete, steel, etc. Recitations and laboratory. Prerequisite, C.E. 93. Lab. fee, \$2. Five credits; autumn. Collier.

169. *Engineering Relations*.—Construction and operation of projects, and of the involved business relations. Prerequisite, senior standing. Five credits; spring. May.

192, 194, 196. *Research*.—Time to be arranged. Two to five credits. autumn, winter, spring. Harris.

198. *Thesis*.—Three to six credits; autumn, winter, spring. Harris.

210, 212, 214. *Research*.—For graduates. Time to be arranged. Two to five credits; autumn, winter, spring. Harris.

CLASSICAL LANGUAGES AND LITERATURE

Denny Hall

Professor Thomson; Associate Professor Sidey; Assistant Professor Densmore; Lecturer Stone

Requirements for a major: at least 36 hours in the department, chosen from courses other than Greek 8-9-10, 11, 13, 14, 15-16; Latin 1-2-3, 4, 5, 6, 11, 14-15-16. At least fifty per cent of the hours in the major must be in upper division courses. 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) 2 (3.1) 3 (1.2). *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. A maximum of five credits a quarter, beginning any quarter. Densmore.

4. *The Persian War Period*.—Wide readings in Herodotus. Prerequisite, Greek 3. Three credits; autumn. Densmore.

5, 6. *The World of Homer*.—Readings from the story of Achilles and the wanderings of Odysseus on a background of a general study of the history of the period down to Hesiod. Prerequisite, Greek 4. Three credits; winter, spring. Densmore.

*8-9-10. *Greek Art*.

11. *Greek Civilisation*.—Institutional and cultural survey of the Greek world from the earliest times to the Roman conquest. Illustrated lectures, conferences and discussions. Knowledge of Greek not required. Upper

*Not offered in 1926-27.

division students may earn upper division credit by special work under the direction of the instructor. Five credits; spring. Densmore.

*12. *Advanced Greek Civilization.*

13. *Greek Literature.*—The masterpieces in English translations. Knowledge of Greek not required. Five credits; autumn, winter, spring. Sidey.

15-16. *Greek Civilization and Literature.*—Duplication of Greek 11, but including the literature in translation as a fundamental expression of the Greek genius. Knowledge of Greek not required. Open to freshmen only. Five credits a quarter; autumn and winter. Densmore.

101, 102, 103. *The Periclean Age.*—Greek civilization from the founding of the Delian Confederacy to the death of Socrates. Readings, conferences, and reports. Prerequisite, Greek 5 or equivalent. Three credits a quarter; autumn, winter, spring. Densmore.

104, 105, 106. *Greek Poetry.*—Lyric poetry, tragedy, and pastoral poetry. Prerequisite, Greek 5 or equivalent. Two credits a quarter; autumn, winter, spring. Densmore.

151, 152, 153. *Plato.*—Intensive study of the Republic, the Laws (in part) and some of the shorter dialogues. Prerequisite, Greek 101, 102, 103. Three to five credits a quarter; autumn, winter, spring. Densmore.

*191, 192, 193. *Literary Criticism in Connection with Sophocles.*

II. LATIN

1-2-3. *Elementary Latin.*—First and second year high school Latin. For those who previously have had little or no Latin, and wish to bring their preparation up to college requirements. Given if any considerable number desire it. Five credits a quarter; autumn, winter, spring.

4, 5, 6. *Cicero or Virgil.*—Prerequisite, two years high school Latin or Latin 1-2-3 in the University. May be substituted for the requirement in ancient language, life and literature. Qualifies a student for Latin 21. Review of grammar and syntax. Selections from Cicero or Vergil. Five credits a quarter; autumn, winter, spring.

11. *Roman Civilization.*—The part played in history by the Romans; their contributions to modern civilizations. Lectures, illustrated, when possible; collateral reading and reports. No knowledge of Latin required. Five credits; autumn (open to entering freshmen only); winter (open to all); spring (open to all). Stone.

13. *Roman Literature.*—The masterpieces in English translations. Knowledge of Latin not required. Five credits; autumn, winter, spring.

14-15-16. *Roman Art.*—Roman architecture for two quarters, followed by sculpture, numismatics and minor arts. Illustrated by photographs and slides. Primarily for students of fine arts but open to all. Alternates with the course in Greek art. One credit a quarter; autumn, winter, spring. Sidey.

21. *Cicero: De Senectute; Latin Literature (Mackail).*—Comparison of Cicero's work with similar essays. Exercises in grammar and composition. Prerequisite, three and one-half years of high school Latin. Five credits; autumn. Stone.

22. *Catullus. Latin Literature (Mackail).*—The Latin Lyric. Emphasis on finished translation and comparison of the best English versions; gram-

*Not offered in 1926-27.

mar and composition. Prerequisite, three and one-half years of high school Latin. Three or five credits; winter. Stone.

23. *Vergil: Georgics and Bucolics; Latin Literature (Mackail).*—Prerequisite, three and one-half years of high school Latin. Three or five credits; spring. Stone.

50. *Livy.*—One book and selections from the other books. Prerequisite, Latin 21, 22, 23, or special permission. Five credits; autumn. Sidey.

60. *Horace.*—Selections from The Complete Works. Prerequisite, Latin 21, 22, 23, or special permission. Five credits; winter. Sidey.

71. *Plautus and Terence.—Selected Plays.*—Prerequisite, Latin 21, 22, 23, or special permission. Five credits; spring. Sidey.

106. *Syntax and Prose Composition.*—Prerequisite, Latin 50 or 60 or 71. Three credits; autumn. Thomson.

107. *The Age of Cicero.*—Selected portions of Cicero's letters and The Civil War of Caesar. Prerequisite, Latin 50 or 67 or 71. Three credits; winter. Thomson.

*108. *Vergil's Aeneid.*

*109. *Pliny's Letters and Tacitus, Germania.*

113. *Roman Home Life and Religion.*—Selections in Rogers and Harley's Reader, with collateral reading and reports. Prerequisite, Latin 50 or 60 or 71. Three credits; spring. Thomson.

151. *Cicero, Tusculan Disputations and Seneca, Moralia.*—Two to five credits; winter. Sidey.

152. *Quintilian, Book X and Horace, Ars Poetica.*—Two to five credits; spring. Sidey.

153. *Christian Latin.*—Selections from Minucius Felix, Augustine Lactantius and other early Christian writers. Open to graduates and advanced undergraduates. Two to five credits; autumn. Sidey.

*154. *Latin Epistolary Literature.*

*155. *Cicero: De Oratore or Orator and Pro Plancio.*

185, 186. *Vulgar Latin.*—Vocabulary and syntax; relation to archaic Latin, literary Latin and, especially, to the Romanic languages. Prerequisite, at least four quarters of college Latin and three years (or six quarters) of either French or Spanish or Italian. Three to five credits each quarter; winter, spring. Stone.

Teachers' Course in Latin.—See Educ. 160C.

COMPARATIVE PHILOLOGY

The following courses in Comparative Philology are available in the department of Scandinavian Languages and Literature:

190-191. *Introduction to the Science of Language.*—Two credits; autumn and winter. Vickner.

192. *Life of Words.*—Two credits; spring.

*Not offered in 1926-27.

DRAMATIC ART

Denny Hall

Associate Lovejoy, Assistant Professor Hughes, Associates James, Crawford

The work in this department is planned for two classes of students: (a) those who desire knowledge of dramatic art as part of a liberal education; (b) those who need knowledge of dramatic art as part of their technical training.

For a major the department requires 71 to 74 credits in dramatic art. Two degrees are offered: (1) Bachelor of Arts in Dramatic Art; (2) Bachelor of Fine Arts with a Major in Dramatic Art.

All courses in the department, with the exception of 101-102-103, and 107-108, may be entered at the beginning of the first, second or third quarters.

5. *Phonetics, Elementary Course.*—The sounds of spoken English analyzed as a basis for correcting racial, regional, class and individual defects. Articulation, pronunciation and ear training practice. Use of phonetic dictionary, cultivation of the speaking voice. Five credits; autumn, winter, spring. Crawford.

9. *Theater Backgrounds.*—A general introduction to the study of the modern theater and drama. Two credits; autumn. Lovejoy.

61, 62, 63. *Dramatic Interpretation.*—Selected plays are used as exercises in dramatic delivery and for the study of effectiveness in the reading of lines. Five credits a quarter; autumn, winter, spring. James.

101-102-103. *Play-acting.*—Practical course in the art of acting. Interpretation of standard and original plays. Three lectures and two 2-hour laboratory periods a week. Prerequisite, Dram. Art 5. Fee, \$1. Five credits a quarter; autumn, winter, spring. Lovejoy.

104, 105, 106. *Theatre Workshop.*—Construction of model and actual stage settings, properties, costumes, masks, stage lighting; general mechanics of the theatre. Three hours lecture, and six hours laboratory. Lab. fee, \$3. Five credits a quarter; autumn, winter, spring. James.

107-108. *Advanced Phonetics.*—A continuation of D.A. 5. Study of intonation. The oral study of literature. Mastery of foreign sounds. The purpose of this course is to make good speech natural and spontaneous in reading, speaking and acting. Prerequisite, Dram. Art 5. Five credits a quarter; winter, spring. Crawford.

111, 112, 113. *Play-writing.*—Principles of dramatic composition, with experimental creative work. Five credits a quarter; autumn, winter, spring. (May receive credit in English.) Hughes.

127. *The History of Theatre Art.*—Origin and development of theatre art. Physical structure of playhouses. Evolution of stage machinery and settings. Masks, marionettes. Realism, symbolism. Lectures and required readings. Five credits; autumn. (May receive credit in English). Hughes.

131, 132, 133. *Staging of Shakespeare.*—Designed to give the student a working knowledge of Shakespearean production. One play will be studied each quarter and entire plan of production covered. Cutting, interpretation, stage business, costuming, properties and scenery. Three credits; autumn, winter, spring. Lovejoy.

151, 152, 153. *The History of Dramatic Form.*—Origin and development of the drama. Representative plays of all important periods and

countries are studied and discussed. Three credits a quarter; autumn, winter, spring. (May receive credit in English.) Hughes.

Teachers' Course in Dramatic Art.—See Educ. 160L.

OTHER COURSES WHICH MAY RECEIVE CREDIT IN DRAMATIC ART

English 40.—*Introductory Public Speaking.*—Five credits; autumn, winter, spring. Breland.

English 41.—*Advanced Public Speaking.*—Three credits; winter, spring. Breland.

ECONOMICS AND BUSINESS ADMINISTRATION

Commerce Hall

Professors Lewis, Ayer, Gould, Preston, Moriarty, Cox, Dakan, Eldred; Associate Professors Smith, Skinner, Atkinson, Burd, Leib; Assistant Professors McMahon, Gregory, McIntyre; Lecturers McConahay, Robertson, Davis, Draper, Truax; Associate Van de Walker; Instructors Hamack, Farwell.

Those students in liberal arts or business administration choosing economics as their major, should consult with the head of the department or the professor in charge of advanced economics with regard to a proper selection of courses. The following courses may be regarded as available for such students: 1, 2, 60, 61, 103, 104, 106, 108, 121, 159, 160, 161, 162, 164, 165, 166, 168, 181, 201, 205, 207.

B.A. 1 and 2 are absolutely prerequisite for all B.A. courses except with the permission of the dean.

1, 2. *General Economics.*—General principles of economics. Fee, \$1. Five credits; autumn, winter, spring. Lewis, Preston.

3. *General Economics.*—Same as B.A. 1 above, abbreviated for students in chemistry, pharmacy, forestry, fisheries and engineering. Fee, \$1. Three credits; spring. Atkinson.

7. *Geographic Backgrounds of Industry.*—The world's principal agricultural and mineral resources; geographical distribution and development; governmental policies of conservation; world commerce, trade routes. Fee, \$1. Five credits; autumn, winter, spring. (B.A. 1 not prerequisite). Skinner.

15. *Typewriting. I.*—Fundamental principles of typewriting. Fee, \$10. No credit; autumn, winter, spring. Hamack, Ford.

16. *Typewriting II.*—Devoted to increasing the speed of the student on the typewriter. Fee, \$10. No credit; autumn, winter, spring. Swift, Hamack, Ford.

18. *Shorthand I.*—Fundamental principles of shorthand in the first twelve lessons of the manual. Fee, \$10. No credit; autumn, winter. Hamack, Swift.

19. *Shorthand II.*—Advanced shorthand. Prerequisite, B.A. 18. Fee, \$10. No credit; winter, spring. Hamack.

49. *Ship Operation.*—Types of vessels, with reference to materials and methods of construction, stress and stability of hulls, methods of propulsion, measurement and stowage of cargo. Fee, \$1. Five credits; autumn, winter. (B.A. 1 not prerequisite). Farwell.

52. *Navigation.*—Correction of courses; the sailings, dead reckoning, piloting, latitude, longitude, azimuth, amplitude, determinations of position at

sea by methods of Marc Saint Hilaire and Aquino; compass adjusting. Fee, \$1. Five credits; winter. (B.A. 1 not prerequisite). Farwell.

54. *Business Law*.—General introduction to municipal law, including jurisdiction of courts, pleading and procedure, etc., preparatory to reading of cases. Primary consideration is given in this and B.A. 55 and B.A. 56 to the law of contracts and sales of personal property, with incidental treatment of such subjects as damages, remedies, negotiation, business associations, etc., developed in discussion from an analysis of cases and problems. The course is designed to train the student in the analysis and solution of legal problems in ordinary business relations. Prerequisite, sophomore standing. Fee, \$1. Three credits; autumn. Ayer.

55. *Business Law*.—Continuation of B.A. 54 as outlined. Prerequisite, B.A. 54. Fee, \$1. Three credits; winter. Ayer.

56. *Business Law*.—Continuation of B.A. 54 and B.A. 55, but may be taken with prerequisite of B.A. 54 only. Fee, \$1. Three credits; spring.

57. *Money and Bank*. (M.W.P. 11-2) 5 A.W. 5. Ayer. *math* *13*

59. *Elements of Business Statistics*.—Application of statistics to business problems. Prerequisite, Fee, \$1. Five credits; autumn, winter, spring. Lieb.

60. *Labor in Industry*.—A study in the labor factor in modern industry; special reference to the theory of wages; the relation of the worker to the employer and the public; emphasis placed upon the effect on these relations of changing economic organization, markets and business cycles. Fee, \$1. Five credits; autumn, spring. McMahon.

61. *Social and Economic Standards of Living*.—Their origin and development; class standards and their influence on industry. A comparative study of budgets. Fee, \$1. Five credits; winter. McMahon.

62. *Principles of Accounting*.—Functions of accounts; trial balances; balance sheets; profit and loss statements; books of original entry; ledgers; business forms and papers. Fee, \$1. Five credits; autumn, winter, spring. Draper, Van de Walker, Cruzen, Coleman, Staten.

63. *Principles of Accounting*.—Accounts peculiar to partnerships and corporations; correct classification of accounts; manufacturing and cost accounts; controlling accounts and subsidiary ledgers; voucher systems. Prerequisite, B.A. 62. Fee, \$1. Five credits; autumn, winter, spring. Draper, Van de Walker, Cruzen, Coleman, Staten.

64. *Principles of Accounting*.—Preparation of balance sheets and profit and loss statements; factory costs; general principles of valuation; causes and methods of treating depreciation; capital and revenue concepts. Prerequisites, B.A. 62, 63. Fee, \$1. Five credits; autumn, winter, spring. Gregory, Draper, Van de Walker, Cruzen, Coleman, Staten.

65. *Accounting Survey*.—An elementary survey of the construction and interpretation of accounts; a service course designed solely for students in other colleges who have only one quarter available for accounting; not open to Business Administration students. Five credits; winter. Cox.

67. *Paper Work in Shipping*.—Forms used in documentation, entering and clearing, and in making coastwise and foreign shipments, with the solution of a number of practice problems. Fee, \$1. Five credits; autumn, winter. Gould.

81-82. *Secretarial Training I. and II.*—For students who have a thorough knowledge of shorthand and typewriting, covering the responsibilities placed on the secretary in handling correspondence, letter writing. Prerequisites, B.A. 15, 16, 18, and 19. Fee, \$5. Five credits; autumn, winter. Hamack.

83. *Office Training and Practice*.—General principles of business conduct, ethics of the office, shipping, filing systems, and general handling of work to be assigned as nearly like actual office work as possible. Prerequisites, B.A. 15, 16, 18, 19, 81-82. Fee, \$5. Three credits; spring. Hamack.

102. *Office Management*.—The office manager's problems of office administration. Attacks the problem of office control by the various activities and studies each in relation to all the others. Fee, \$1. Five credits; winter. Draper.

103. *Money and Banking*.—Introductory course. Functions of money; standards of value; financial conditions, and principles of banking with special reference to the banking system of the United States. Fee, \$1. Five credits; autumn, winter, spring. Preston.

104. *Economics of Transportation*.—Relation of transportation to industry and society; development and present status of American transportation systems; organization of the service; traffic associations; classification territories; routes; traffic agreements; rates and regulations. Fee, \$1. Five credits; autumn. Atkinson.

105. *Business Organization*.—Business corporations; associations, combinations; special reference to their functions, operation, advantages and disadvantages, relation to the anti-trust laws. Fee, \$1. Five credits; autumn. Leib.

106. *The Economics of Marketing and Advertising*.—Development of economic principles in marketing and advertising and their application to present day problems in those fields. Fee, \$1. Five credits; autumn, spring. Moriarty.

107. *Traffic Management*.—A study of the traffic problems of American railroads, including classifications, the rate structures of the chief rate-making territories and such matters as import and export rates, reconsignment and diversion, demurrage and claims. Prerequisite, 104. Fee, \$1. Five credits; winter. Atkinson.

108. *Risk and Risk Bearing*.—The risk factor in its economic and social consequence; ways of meeting risk; the general broad outline of life, fire and other insurance. Fee, \$1. Five credits; winter, spring. Smith.

110. *Advanced Accounting*.—Valuation of balance sheet and revenue statement items; surplus and reserves; dividends; sinking funds; liquidation of partnerships and corporations; consolidated balance sheets; reports of trustees and receivers. Prerequisite, B.A. 64. Fee, \$1. Five credits; autumn, winter, spring. Draper, Van de Walker.

111. *Advanced Accounting*.—Advanced partnership and corporation accounting; nature of profits; dividends; the legal status of same; statement of affairs; realization and liquidation accounts. Fee, \$1. Prerequisite, B.A. 110. Five credits; autumn, winter, spring. Cox, Draper.

112. *Advanced Accounting*.—Bond and stock issue problems; premiums and discounts on securities; funds and reserves; mergers and consolidations; graphs and comparative statements; estate accounting. Prerequisites, B.A. 110, 111. Fee, \$1. Five credits; autumn, winter, spring. Cox.

113. *Ports and Terminals*.—Factors of a well coordinated port; modern terminal facilities; representative river, lake and sea ports. Fee, \$1. Three credits; winter. Farwell.

115. *Business Correspondence*.—Business letters; analysis of principles; development of judgment on points of business policy. Prerequisites, English 1 and junior standing. Fee, \$1. Five credits; autumn, winter, spring. Burd.

117. *Exporting and Importing*.—Technique of exporting and importing; analysis of markets; preparation of documents and calculation of values of staples and of manufactured products and the financing of shipments. Prerequisite, B.A. 7. Fee, \$1. Five credits; autumn. Skinner.

119. *Water Transportation*.—Economics of shipping with particular reference to organization and management; ship building and operating costs; rate practice and control, pools, agreements, conferences; ocean routes; shipping subsidies, etc. Fee, \$1. Five credits; spring. Farwell.

121. *Corporation Finance*.—Financial problems connected with promotion of corporations, underwriting and sale of securities, management, expansion and reorganization of unsuccessful corporations. Prerequisites, B.A. 62, 63, 103. Fee, \$1. Five credits; autumn. Dakan.

122. *Principles of Investment*.—A study of the underlying principles of investment credit; and a description of the origin and purpose of the various credit instruments used; the selection of sound investments; the investment policy of individuals and institutions; care of investments; investment market and its relation to the money market. Prerequisite, B.A. 103. Fee, \$1. Five credits; winter. Dakan.

125. *Bank Administration*.—Methods and machinery of bank operations. Internal organization of the bank; relation of the different functions; accounting methods; finding costs for the bank; problems of bank administration. Prerequisites, B.A. 63, 103. Fee, \$1. Five credits; winter. Dakan.

126. *Commercial Credits*.—Extension of credit; the credit department; sources of information; credit analysis; credit insurance; practical problems. Prerequisite, B.A. 64, 103. Fee, \$1. Five credits; autumn. Preston.

127. *Foreign Exchange and International Banking*.—Theory of international exchange; rates of exchange; financing imports and exports; specie movements; foreign money market factors; foreign banking by American institutions; financing foreign trade; present status of foreign exchange. Prerequisite, B.A. 103. Fee, \$1. Five credits; autumn. Preston.

130. *Industrial Analysis and Control*.—Using cost statistics and reports as material, will deal with the development of policies for greater efficiency in management. Systems of accounting statistics with emphasis on manufacturing, selling, general administration and financial expenses with their significant ratios considered. Fee, \$1. Five credits; autumn. McIntyre.

*131. *Advanced Industrial Analysis and Control*.

134. *Market Organization*.—Survey of market processes and systems; purchasers' buying habits and producers' distribution channels; the middlemen and their functions; the retail outlets. Prerequisite. 106. Fee, \$1. Five credits; autumn. Burd.

135. *Marketing of Food Products*.—The economic and commercial problems involved in the distribution of foodstuffs from producer to consumer, both in raw material and as processed or manufactured commodities. Remedies of weaknesses in prevailing methods of marketing. Prerequisite, 106. Fee, \$1. Five credits; winter. Eldred.

136. *Market Analysis*.—Product analysis; price policies and sales strategy; sales promotion methods. Prerequisite. B.A. 134. Fee, \$1. Five credits; winter. Burd.

137. *Advertising Campaigns*.—Advertising appeals and their presenta-

*Not offered in 1926-27.

tion; advertising media and their selection; appropriations; campaign plans. Prerequisite, B.A. 134. Fee, \$1. Five credits; spring. Burd.

*138. *Sales Management.*

*139. *Social Insurance.*

*140. *Cooperative Marketing.*

141. *Fire Insurance.*—Theory and practice of fire insurance; study of the clauses in standard fire policies; apportionment of losses; rate making; fire prevention. Prerequisite, B.A. 108. Fee, \$1. Five credits; autumn. Smith.

142. *Life Insurance.*—Functions of life insurance; premiums; reserves; kind of companies and policies; dividends; lapses. Disability, group and industrial insurance. State regulations of life insurance business. Prerequisite, B.A. 108. Fee, \$1. Five credits; spring. Smith.

143. *Trade of Far and Near East.*—Resources and trade of China, Japan, Siberia, the Philippines, French Indo-China, Siam, India, the Malay Peninsula, the Dutch East Indies, Australia, Persia, Mesopotamia, Syria, Arabia, Turkey and the Balkan States. Prerequisite, B.A. 7. Fee, \$1. Five credits; winter. Skinner.

144. *Trade of Europe.*—Resources of Europe and Africa, and the trade relations of these sections with the rest of the world, especially the United States. Prerequisite, B.A. 7. Fee, \$1. Five credits; winter. Atkinson.

145. *Trade of the Americas.*—Resources and trade of Mexico and the Central American and South American countries. Prerequisite, B.A. 7. Fee, \$1. Five credits; spring. Skinner.

146. *Retail Sales Problems.*—Fundamental principles underlying retail selling. Problems of constructive merchandising, display, advertising, personnel, and the consumer from the point of view of the sales manager and the selling force. Prerequisite, B.A. 106. Fee, \$1. Five credits; autumn. Morse.

147. *Retail Buying Problems.*—The scientific and ethical principles underlying retail buying. Problems of the buyer in relation to customer's demand, markets, stock control, technique of buying, sales force, sales promotion, net profit. Prerequisite, B.A. 106. Fee, \$1. Five credits; winter. Morse.

148. *Retail Store Organization Problems.*—Fundamental principles underlying departmentalization; financial, personnel, merchandising, publicity and administrative organization. Prerequisite, B.A. 106. Fee, \$1. Five credits; spring. Morse.

*149. *Marine Insurance.*

150. *Railroad Finance and Administration.*—A study of the methods by which railroads are financed and administered; comparison with foreign systems; analysis of annual reports of leading systems; survey of railroad legislation. Prerequisites, B.A. 64, 103, 104. Fee, \$1. Five credits; spring. Atkinson.

*151. *Rail and Marine Rates.*

152. *Shipping and Consular Regulations.*—Navigation laws relating to prevention of collisions at sea; inspection of vessels; employment of seamen; carrying of cargo and passengers; towage and pilotage; wharfage and

*Not offered in 1926-27.

moorage; liability of vessels and owner; duties of consular officials; administration of navigation laws. Fee, \$1. Three credits; spring. Farwell.

154. *Cost Accounting I*.—Organization of cost department; relation of cost to other departments; production factors; cost finding methods; material and labor records; preparation of operating statements. Prerequisite, B.A. 112. Fee, \$1. Five credits; winter. McConahey.

155. *Cost Accounting II*.—Production and service departments; distribution of manufacturing expense; preparation of cost reports in planning and controlling production; standard costs, etc. Prerequisite, B.A. 112. Fee, \$1. Five credits; spring. McConahey.

156. *Auditing*.—Auditing procedure; balance sheet audits; analysis of asset and liability values; profit and loss statement audits; analysis of income and expense; certifications and reports; classifications of audits and investigations. Prerequisite, B.A. 112. Fee, \$1. Five credits; autumn. McConahey.

157. *Income Tax Accounting*.—Government decisions affecting the practical determination of taxable income; persons, corporations, partnerships subject to tax; exemption and exception; deductions and allowances; preparation and analysis of returns. Prerequisite, B.A. 112. Fee, \$1. Five credits; winter. McConahey.

158. *Managerial Accounting*.—Organization and duties of the accounting department in business from the standpoint of the management; the vital connection between management and accounts; how accounts should be handled to produce reports and statistics of the utmost value to the management. Prerequisite, B.A. 112. Fee, \$1. Five credits; autumn. McConahey.

159. *Advanced Money and Banking*.—Selected topics in monetary science and business finance; value of money; financial effects of the great war; the Federal Reserve system; agricultural credit; business cycles. Prerequisite, B.A. 103. Fee, \$1. Five credits; spring. Preston.

160. *Advanced Economics*.—Theories of price determination and distribution, and a critique of the inter-reactions of political and economic principles. Fee, \$1. Five credits; autumn, winter, spring. Moriarty.

161. *American Labor Problems*.—Relation between the development of the American Labor Movement and free lands, immigration, economic organization, prices, industrial crises. Fee, \$1. Five credits; autumn. McMahan.

162. *European Labor Problems*.—Labor movements of modern Europe; economic and political backgrounds, in relation to types of labor organizations. Fee, \$1. Five credits; winter. McMahan.

163. *Industrial Management*.—Problems of promotion and location of industrial plants. Selection of site, layout of processes, and control of material. Types of buildings, lighting, safety appliances, economic and psychological effect of scientific management. Fee, \$1. Five credits; autumn. Leib.

164. *Land Economics*.—Brief review of the colonization and economic development of the United States, designed to bring out the chief factors involved in land settlement and land utilization. Some attention will be given to certain economic and business phases of contemporary American agriculture, marketing problems, reclamation and land settlement policies. Fee, \$1. Five credits; winter. Eldred.

* Not offered in 1926-27.

*165. *Labor Legislation.*

*166. *Women in Industry.*

167. *Employment Management.*—Labor surveys, employment forms, job analysis and job specifications, time study, foreman training, wage determination, labor turnover, employees' associations and effective correlation of labor with manager and plant. Fee, \$1. Five credits; winter. Leib.

168. *History of Economic Thought.*—The chief contributors to economic theory from Adam Smith to Böhm-Bawerk as a basis for understanding present economic problems. Fee, \$1. Five credits; winter. Moriarty.

169. *Principles of Real Estate.*—The economic principles underlying the valuation of real estate, both urban and rural; relation of income and capital value; methods of appraisal; depreciation and obsolescence; leases; taxation and special assessments. Prerequisite, B.A. 164. Fee, \$1. Five credits; spring. Eldred.

*170. *Real Estate and Casualty Insurance.*

172. *Executive Technique.*—Internal organization of the business, departmental organization and coordination; various systems of management; use of reports and charts and consideration of problems presented by local industries. Fee, \$1. Five credits; spring. Leib.

173. *Commercial Policies.*—Commercial policies of the nations of the world in connection with the development of American foreign trade. Fee, \$1. Five credits; autumn. Atkinson.

175. *Advanced Business Statistics.*—Collection, presentation and interpretation of statistical data relating to business operations, including consideration of business barometers, market analysis, sales and advertising. Prerequisite, B.A. 59. Fee, \$1. Five credits; spring. Eldred.

176. *Investment Analysis.*—An analytical study of typical industrial, public utility and railroad securities. Analysis of financial operations, revenue and expense reports and their relation to investment values. The principles of valuation and rate structure of public utilities. Problems. Fee, \$1. Prerequisites, B.A. 64, 121, and 122. Five credits; spring. Dakan.

181. *Economics of Consumption.*—Historical development of human wants in relation to the economic laws of consumption; influence on the production and distribution of wealth. Attempts to control consumption through private and governmental agencies. Fee, \$1. Five credits; spring. McMahon.

184. *Auditing Technique.*—Prerequisite. B.A. 111, 112. Fee, \$1. Five credits; autumn, winter, spring. Robertson.

185. *C.P.A. Problems.*—Selected problems covering various accounting principles. Work taken from American Institute and state C.P.A. examinations. Emphasis placed on speed, accuracy and forms of presentation. Prerequisite, B.A. 111, 112. Fee, \$1. Five credits; spring. McConahey.

188 *ABC. Apprenticeship in Merchandising.*—Students are placed full time in autumn and spring quarters in actual business. Four-six credits; autumn, winter, spring. Morse.

189. *Bank Credit Administration.*—A study of the administration of bank credit based on actual problems selected from portfolios of Pacific Northwest banks. Fee, \$1. Three credits; winter. Truax.

191 *ABC. Research in Accounting.*—Two-five credits; autumn, winter, spring. Davis.

195 *ABC. Research in Foreign Trade and Transportation.*—Two-five credits; autumn, winter, spring. Skinner, Atkinson.

196 *ABC. Research in Management.*—Two-five credits; autumn, winter, spring. Leib, Gregory.

197 *ABC. Research in Business Finance.*—197A, attention given to international financial reconstruction. 197C, attention to monetary and price theory. Two-five credits; autumn, winter, spring. Preston.

198 *ABC. Research in Marketing and Advertising.*—Two-five credits; autumn, winter, spring. Burd.

COURSES FOR GRADUATES ONLY

201 *ABC. Graduate Seminar.*—Two-five credits; autumn, winter, spring. Lewis.

205 *ABC. Seminar in Value and Distribution.*—Two-five credits; autumn, winter, spring. Moriarty.

207 *ABC. Seminar in Labor.*—Two-five credits; autumn, winter, spring. McMahon.

Teachers' Courses in Business Administration

Commercial Teachers' Course.—See Educ. 160D.

Teachers' Course in Shorthand and Typewriting.—See Educ. 160DD.

EDUCATION

Education Hall

Professors Bolton, Ayer, Randolph, Roberts; Assistant Professors Williams, Dvorak; Lecturer Hughes; Associates Draper, Watson; and Assistants.

Note: All special teachers' courses are listed and numbered as education courses.

Course 101 is open to sophomores who have received 65 credits in college courses. It is prerequisite to all other courses in education for all students except college graduates and students entering from normal schools. Of the remaining courses in this group (1), 119 and 140 should be taken during the junior year. These courses are prerequisite to 145 which should be planned for the autumn or winter terms of the senior year. Placements for the spring term are limited. Courses 101, 119, 140 and 145 and one teachers' course in a special subject, numbered 160 are regularly required for the five-year normal diploma. Normal school students are not permitted to take courses 101, 140 or 145. They are required to take 119, 150, 152, and from group (2) five credits in courses numbered above 150.

As a result of a petition by the students an education library fee of 50 cents is charged each student for each course in education, except in courses 150, 160D, 160DD, 160Z, 196-197-198, 285-286-287. According to the agreement, students will not be required to purchase more than one text book in any one course.

I. ELEMENTARY COURSES

101. *Introduction to the Study of Education.*—General course covering the field of education. Open to sophomores who have earned 65 credits. Course 101 or approved equivalent is prerequisite to all other courses in education, except for normal school and college graduates or others who have had approved equivalent elsewhere. Five credits; autumn, winter, spring or summer. Watson, Ayer.

*115. *Child Study.*

✓ 119. *Secondary Education: Problems of the High School Teacher.*—Secondary school curricula and closely related problems. Should be taken during the junior year. Prerequisite, Educ. 101 or approved equivalent. Three credits; autumn, winter, spring, or summer. Draper.

✓ 140. *Psychology of Teaching Methods.*—An attempt to discover the psychological foundation of methods. The application of these to concrete illustrations of teaching. Especially applied to high school instruction. Should be taken during the junior year. Prerequisite, Educ. 101, 119 or approved equivalent. Students who plan to take 140 and 150 should take 150 first. Five credits; autumn, winter, spring, or summer. Williams.

✓ 145. *Practice Teaching.*—One lecture a week, conferences with the instructor, assigned readings, and one period each day devoted to observation and practice teaching under supervision in the Seattle city schools. Prerequisite, Educ. 101, 119, 140 or approved equivalent. Five credits; (For Phys. Educ. major, two, three or five credits). Application for practice teaching placement must be made before June of the junior year and plans should be made to take the course either autumn or winter terms of the senior year. Only a limited number can be accommodated in the spring term. Application blanks are available at the office of the dean of the School of Education. Assignments to the city schools are given out the opening day of each quarter. Autumn, winter, or spring. Hughes.

*146. *Practice Teaching II.*

Courses 101 and 140 are prerequisite, except as stated above, to courses 160A to 160Z. One of the "teachers' courses" is required for the normal diploma.

160A. *Teachers' Course in Botany.*—Discussion of texts, subject matter and methods of presenting the subject. Prerequisite, two years of botany. Two credits; autumn. Frye.

160B. *Teachers' Course in Chemistry, Laboratory Methods of Instruction.*—No lab. fee. Prerequisite, at least 20 credits of college chemistry of average B grade. Two credits; autumn, winter or spring. Smith.

160C. *Teachers' Course in Latin.*—Methods and problems in the teaching of high school Latin. Prerequisites, Latin 50 or 60 or 70. Except by special arrangement this course must be taken in combination with Latin 107. Two credits; autumn. Stone.

160D. *Commercial Teachers' Course.*—Typical business courses are examined and made the basis for discussions on needs of local business conditions. Study of the content of high school commercial courses and of texts. Prerequisites, twenty-five hours of the thirty-five required for a major in commercial teaching, including fifteen hours in accounting and B.A. 16, 19. Fee, \$1.50. Five credits; spring. Two hours only count as education credits, three hours as business administration. Draper.

160DD. *Teachers' Course in Shorthand and Typewriting.*—To prepare students for teaching shorthand and typewriting. Correlation of this work with actual work in business houses. Prerequisites, twenty-five hours of the thirty-five required for a major in commercial teaching, including B.A. 16, 19, 81, and 82. Fee, \$1.50. Five credits; spring. Two hours only count as education credit, three hours as business administration. Hamack.

160E. *Teachers' Course in English.*—Methods and problems in the

teaching of English in the high school. Two credits; autumn, winter, spring. Sperlin.

160F. *Teachers' Course in Geography*.—Teaching of geography, physical geography, commercial geography and geology in the schools. Prerequisites, one term of geology. physiography or geography. Two credits; winter. Saunders.

160G. *Teachers' Course in German*.—Aims and methods in their application to the teaching of German; lesson plans; courses of study for high schools; textbooks and aids in teaching; coaching of underclassmen in elementary classes. Prerequisite, Ger. 110. Two credits; spring. Eckelman.

160H. *Methods of History Teaching*.—With special reference to the work of the high school. Required of majors in history who expect to teach. Prerequisite, History 160. Two credits; winter. McMahon.

160I, 160J. *Teachers' Course in Home Economics*.—Curricula, methods of teaching and equipment. Prerequisite, H. E. 5, 116, 112, 113, 143, 144, 145; Arch. 1, 2; Physics 89-90; Bact. 101. Three recitations. Three credits each quarter; only two credits counted toward the normal diploma, the other three credits are counted in home economics. Autumn, winter. Raitt, Denny.

160K. *Teachers' Course in News Writing*.—Text, Borah's Newswriting for High Schools. Two credits; spring. Borah.

160L. *Teachers' Course in Dramatic Art*.—Two credits; spring. Lovejoy.

160M. *Teaching of Mathematics*.—Problems peculiar to the teaching of high school mathematics. Nature and value of mathematics with their pedagogic bearings. Critical review of courses and methods of teaching. Required of mathematics majors who are candidates for the normal diploma. Prerequisite, Math. 109. Three credits; (Two credits in education, one credit elective); spring. Jerbert.

160N. *Teachers' Course in Music Education*.—A study of principles and methods in teaching music in the public schools. Prerequisite, Music 113, 114. Two credits, spring. Dickey.

160O. *Civics in Secondary Schools*.—Attitude of approach, arrangement of material, methods of presentation; development of an appreciation of the reality of our political system; use of material, textbooks, current articles, legislative bills, sample ballots, observation of local government agencies. Two credits; spring. Laube.

160P. *Methods of Teaching Art*.—Courses of study, methods and material. Prerequisite, P.S. and D. 5-6-7, 9-10-11, 53, 54, 55, 56-57-58, 105. Two credits; autumn. Rhodes.

160R. *Teachers' Course in Physical Education*.—Curricula, application of educational principles to the teaching of physical education, administration in public schools. Prerequisites. Physical Educ. 101-102, 103, 104-105-106, 111-112, 113. Two credits; autumn. Gross.

160S. *Teachers' Course in Physical Education for Men*.—Prerequisite, Phys. Educ. 115. Two credits; spring. Arbuthnot.

160T. *Teachers' Course in French*.—Aims and methods best suited to attain them. Prerequisites, French 41, 101, 102, 103, 158, and 159. Two credits; spring. Frein.

160U. *Teachers' Course in Spanish*.—Methods of Teaching Spanish. Practice in the classroom. Prerequisites, Span. 101, 102; Span. 103, 191 must be taken concurrently with 159. Two credits; spring. Ober.

160X. *Teachers' Course in Piano Playing*.—Survey of teaching material, with supervised practice. Prerequisite, Music 165, 166. Two credits; spring.

Piano Teaching Methods.—See Music 165, 166.

160Z. *Teachers' Course in Zoology*.—For students preparing to teach zoology in high schools. Lab. fee, \$1.50. Prerequisite, 20 hours in zoology. Two credits; winter. Guberlet.

II. ADVANCED UNDERGRADUATES AND GRADUATES

To be admitted to courses in this group (II) students must have earned at least 10 credits in education, including courses 101, 140, or the equivalent. Normal school graduates are qualified to enter.

150. *Introduction to Educational Measurements*.—History and development of the use of tests and scales in education. Group intelligence tests, elementary statistical methods as applied to the handling of educational data, educational achievement or subject tests and scales. Lab. fee, \$3. Three credits; autumn, winter, spring or summer. (Two credits in Saturday section.) Dvorak.

151. *Educational Sociology*.—A systematic view of the larger relations underlying and surrounding the school, with the chief emphasis placed on generalization. Three credits; winter, spring or summer. Randolph.

152. *Social Surveys of School Studies and Activities*.—An attempt (a) to summarize the results to date of attempts by inductive methods to arrive at socially valid materials for the school studies; and (b) to evaluate the theories involved. Two credits; winter, spring or summer. Randolph.

154. *Junior High School*.—History of the reorganization movement; functions and features of the new organization. Prerequisite, Educ. 119. Two credits; autumn, winter, spring. Roberts, Draper.

*156. *High School Organization*.

157. *Extra-Curricular Activities*.—History of activities, values and objectives, classification of, participation of pupils in, teachers' relation to; records, etc. Prerequisite, Educ. 119. Two credits; autumn, winter. Draper.

159. *The High School Principal*.—A study of the high school principal as supervisor, administrator and director of extra-curricular activities. Problems based upon the organization of the school, the teaching staff, the high school population, curriculum making and extra-curricular activities will be considered. Prerequisite, Educ. 119. Two credits; autumn, spring. Draper.

161. *History of Education*.—Social interpretation of the historic beginnings of education, contributions of the Greeks and Romans, development of Christianity, medievalism, and the beginnings of modern education. Development of educational practices since the Renaissance. Five credits; winter. Randolph.

163. *History of American Education*.—Lectures, readings and investigations, focusing on the development of practices, theory, and instrumentalities rather than on the development of administrative organization. Five credits; spring. Randolph.

164. *The History of Secondary Education*.—The European background of our secondary school system; the Latin grammar school; the academy; the development of the modern high school with special emphasis on the

*Not offered in 1926-27.

period from 1893 down to the present time; the historical relationship to elementary and higher education; the economic, industrial and social conditions which have influenced the growth of the high school. Three credits; spring. Draper.

165. *Problem Children*.—Subnormal, superior, backward, eccentric, and delinquent children studied from the point of view of the teacher. Five credits; winter. Dvorak. ✓

170. *Educational Psychology*.—Psychological basis of educational processes. Native endowment as the basis for learning; individual differences; habit formation; technique of learning, the learning curve, transfer of training; emotional and volitional behavior. Five credits a quarter; winter, spring. Bolton.

172. *Psychology of Elementary School Subjects*.—Survey of experimental studies which furnish the basis for approved practice in learning and teaching reading, writing, arithmetic, spelling, drawing, language, history, geography. Prerequisites, Educ. 101, 140, 119. Three credits; winter or summer. Williams.

173. *Psychology of High School Subjects*.—Consideration of experimental studies which form the basis for learning and teaching subjects in the high school curriculum; English, mathematics, science, history, and foreign languages. Prerequisites, Educ. 101, 140, 119. Three credits; spring. Williams.

*174. *Psychological Problems of Vocational Education*.

176. *Educational Guidance*.—Methods and literature of personal, vocational, and educational guidance in the public schools, advisory systems, child accounting, classification, promotional plans, predictions, placement. For advanced students and teachers only. Five credits; winter. Ayer.

179. *The Health Education Movement*.—Its place in the elementary and secondary school program and in the community at large. The part of the school nurse, the physical education, home economics and classroom teachers in this work. Open to students majoring in any subject, who expect to teach in elementary or high schools. Three credits; winter. Soule. Rowntree.

181. *Educational Problems of Adolescence*.—Physical, intellectual, emotional, moral and social characteristics of adolescents, and the educative activities suited to the period of secondary school education. Five credits; autumn. Bolton.

186, 187, 188. *Elementary School Curriculum*.—The construction and organization of the elementary school curriculum. Subjects, time schedules, principles, objectives, activities, classification, adaptation, projects, platoon plan, etc. Two credits a quarter; autumn, winter, spring. Ayer.

191. *Educational Administration, State and County*.—Three credits; autumn. Ayer.

192-193. *Educational Administration: City School*.—For those preparing for superintendencies, principalships, and other supervisory positions. Three credits a quarter; winter and spring. Five credits in summer. Ayer.

195. *School Supervision*.—Analysis of the problems and technique of the improvement of school work through the in-service education of teachers. Five credits; spring. Ayer.

*Not offered in 1926-27.

196-197-198. *Intelligence and its Measurement.*—The concept of intelligence with its practical bearing on school and social ability. Specialized training in the Stanford-Binet individual examination. For advanced students, teachers and principals. Lab. fee, \$2 per quarter. Two credits a quarter; autumn, winter, and spring. Dvorak.

COURSES FOR GRADUATES ONLY

To be admitted to courses in this group (III) students must be college graduates, and must have earned at least 18 credits or the equivalent in education. The following courses may be counted toward the masters' and doctors' degrees.

201-202-203. *Problems in Modern Methods.*—For advanced students. A critical evaluation of methods in examinations, grading, supervised study, the project, socialized recitation, problem method, assignment, laboratory procedure, etc. A seminar. Two credits each quarter; autumn winter, spring and summer. Williams.

206. *Educational Statistics.*—Thorough course in the statistical treatment and interpretation of educational data. For advanced students, teachers and administrators. Three credits; autumn. Dvorak.

210. *Methods of Educational Research.*—Practices and methods in carrying out and writing up research problems. One credit; autumn and summer. Dvorak.

212-213. *Comparative Education.*—Modern education in foreign countries, especially in Germany, France, England, Norway, Sweden and Canada. Relation between social ideals of nations and their educational systems. Post-war reorganization. Influence upon educational theories and practices in America. Two credits a quarter; winter, spring. Bolton.

215. *Junior College.*—A study of the facts and conditions which have led to the development of the junior college movement with an investigation of the purposes, objectives, curricula, economic and educational advantages of the junior college. Three credits; spring. Dvorak.

*232-233. *Advanced Educational Psychology.*

235. *Survey of Recent Educational Literature.*—For teachers and administrators in active service (1) who desire to investigate current educational problems, and (2) who desire to trace old educational interests through recent educational writings. Readings, discussions, reports based on reviews of new books and surveys of present unsolved and controversial problems in magazine literature. Two credits; winter. Roberts.

261*-262-263. *Seminar in Educational Sociology.*—Introductory summary of the tendencies and recent contributions of educational sociology, followed by practical work upon selected problems. Two credits a quarter; winter and spring. Randolph.

*271-272-273. *Seminar in Educational Surveys.*

275-276-277. *Seminar in Secondary Education.*—A study of curricula adjustments of the elementary school and the high school with special attention to the junior high school. The relation of the high school to college and university, with emphasis upon the socialization of the high school curriculum. Studies in curricula reorganization. Two credits a quarter; autumn, winter, spring. Roberts.

*Not offered in 1926-27.

281. *Seminar in Character Education.*—An intensive study of the latest developments in character education. Examination of the abundant literature. Individual projects and reports. Two credits; autumn. Bolton.

285-286-287. *Seminar in Educational Measurements.*—Theory of educational measurements. Methods of test construction. Critical evaluation of new test material. Reports. For advanced students only. Lab. fee, \$2.50. Two credits a quarter; autumn, winter, and spring. Dvorak.

298-299-300. *Individual Research or Thesis Work.*—Original investigation of special problems. Results are usually reported in one of the seminars and when especially meritorious may be published. Special problems directed by members of the department. Credits to be arranged; autumn, winter, spring. Staff.

ELECTRICAL ENGINEERING

Engineering Hall

Professors Magnusson, Kirsten, Loew; Assistant Professors Shuck, Hoard, G. S. Smith; Instructors Eastman, Lindblom.

101. *Direct Currents.*—Short course in continuous current machinery, for non-electrical students, to be taken in connection with E.E. 102. Prerequisite, Phys. 98. Four credits; autumn, winter, spring.

Lindblom, Hoard Smith.

102. *Direct Currents Laboratory.*—Continuous current machinery, for non-electrical students. Prerequisite, Phys. 98. Lab. fee, \$4. Two credits; autumn, winter, spring.

Eastman, Lindblom.

105. *Electric Wiring and Illumination.*—A short course for architects. Two credits; autumn.

Shuck.

109. *Direct Currents.*—Theory of electric and magnetic circuits; construction, operation and characteristics of direct current generators and motors. To be taken with E.E. 110. Prerequisite, Phys. 98. Four credits; autumn, winter, spring.

Lindblom, Shuck, Smith.

110. *Direct Currents Laboratory.*—Direct current machinery. Prerequisite, Phys. 98. Lab. fee, \$4. To be taken in connection with E.E. 109. Two credits; autumn, winter, spring.

Shuck, Eastman, Hoard.

111. *Direct Currents.*—Continuation of E.E. 109 in direct current machinery. Storage batteries. Regulation and control of direct current systems. To be taken in connection with E.E. 112. Prerequisite, E.E. 109. Four credits; autumn, winter, spring.

Eastman, Shuck, Hoard.

112. *Direct Currents Laboratory.*—Experimental work on direct current dynamo machinery and on storage batteries. To be taken with E.E. 111. Prerequisite, E.E. 110. Lab. fee, \$4. Four credits; autumn, winter, spring.

Shuck, Lindblom.

**15. *Elementary Direct Currents.*—(Extension Night Class.) Laws of the electric and magnetic circuits with application to direct current machinery without the aid of advanced mathematics. For electricians having at least two years of practical experience with electrical machinery.

Shuck.

**20. *Elementary Alternating Currents.*—(Extension night class). Alternating current theory with experimental work on alternating current machinery. Prerequisite, E.E. 15.

Shuck.

**Will be given if sufficient number of students elect the course.

121. *Alternating Currents*.—Alternating currents, for non-electrical students. To be taken with E.E. 122. Prerequisite, E.E. 101. Four credits; autumn, winter, spring. Shuck.

122. *Alternating Currents Laboratory*.—Experimental work on alternating current machinery. To be taken with E.E. 121. Prerequisite, E.E. 102. Lab. fee, \$4. Two credits; autumn, winter, spring. Eastman, Shuck.

131. *Electric Communications*.—Wire and radio telephone and telegraph. Theory, construction and operation of electric communication systems. Central telephone station practice. Prerequisite, E.E. 109, 110. Four credits; autumn, winter. Eastman.

**132. *Telephones and Telegraphs*.—Details of automatic and manual switchboards; testing and locating faults; multiplex telegraphy; railway signal systems. Prerequisite, E.E. 131. Lab. fee, \$2. Three credits. Eastman.

141. *Illumination*.—Electric lamps; commercial photometry; adaptation of electric lighting to commercial requirements. Junior or senior elective. Prerequisite, E.E. 109, 110. Lab. fee, \$2. Four credits; spring. Shuck.

152. *Electrical Machine Design*.—Complete design of one direct current generator or motor. Prerequisite, E.E. 111, 112. Three credits; autumn, winter, spring. Loew.

**154. *Design of Electrical Apparatus*.—Switchboards, transformers, alternators, alternating current motors, etc. Prerequisite, E.E. 152. Four credits. Loew.

161. *Alternating Currents*.—Theory of singlephase and polyphase system; energy storage in magnetic and dielectric fields; vector diagrams and the symbolic methods of analysis; power factor and power measurements; hysteresis and eddy currents; theory of the transformer, singlephase and polyphase induction motors. To be taken with E.E. 162. Prerequisite, E.E. 111. Six credits; autumn, winter, spring. Loew, Hoard, Smith, Lindblom.

162. *Alternating Currents Laboratory*.—Experimental work with alternating current machinery. To be taken with E.E. 161. Prerequisite, E.E. 112. Lab. fee, \$4. Four credits; autumn, winter, spring. Hoard, Lindblom, Shuck.

163. *Alternating Currents*.—Theory of alternators, rotary converters, synchronous and commutator motors and transmission lines; high tension phenomena; corona; commercial wave forms; unbalanced and inter-linked systems. To be taken with E.E. 164. Prerequisite, E.E. 161. Six credits; autumn, winter, spring. Loew, Hoard, Smith.

164. *Alternating Current Laboratory*.—To be taken with E.E. 163. Prerequisite, E.E. 162. Lab. fee, \$4. Four credits; autumn, winter, spring. Shuck, Hoard.

171. *Electric Railways*.—Equipment, roadbed, construction and operation. Prerequisite, E.E. 109, 110. Four credits; winter. Hoard.

173. *Central Stations*.—Location, design and operation of electric central stations. Prerequisite, E.E. 163, 164. Four credits; autumn, spring. Kirsten.

175. *Power Transmission*.—Theory, design and operation of electric power transmission lines. Prerequisite, E.E. 163, 164. Four credits; autumn, spring. Loew.

**Will be given if sufficient number of students elect the course.

180, 182, 184. *Research*.—Two to five credits a quarter; autumn, winter, spring. Loew.

181, 183. *Radio*.—Radio systems; lineal, open and complex oscillations; coupled circuits; resonance; transmitters; receivers; vacuum tubes in radio work; quenched and undamped oscillations. Prerequisites, E.E. 161, 162. Lab. fee, \$2. Five credits a quarter; autumn, winter, spring Eastman.

186, 188. *Thesis*.—After consultation with the head of the department the student selects a suitable topic for investigation. Reports of progress are made weekly to the instructor in charge of the work selected. A complete report of the work is typewritten and bound and a copy deposited in the University library. Two to five credits a quarter; autumn, winter, spring. Magnusson, Kirsten.

191. *Engineering Equations*.—Mathematical investigation of electrical phenomena with quantitative solutions of typical engineering problems. Prerequisite, E.E. 161, 162. Three credits; winter. Loew.

190, 192, 194. *Seminar*.—Prerequisite, E.E. 163, 164. Four credits; autumn, winter, spring. Magnusson, Kirsten.

195. *Electric Transients*.—Exponential law of simple transients; single and double energy transients; current oscillations and traveling waves; natural period of transmission lines; short circuits transients; surges; corona; lightning phenomena. Prerequisite, E.E. 163, 164. Two credits; autumn, winter, spring. Magnusson.

196. *Electric Transients Laboratory*.—To be taken in connection with E.E. 195. Prerequisite, E.E. 164. Lab. fee, \$2. Two credits; autumn, winter, spring. Smith.

198. *Electric Transients Laboratory*.—Continuation of E.E. 196. Lab. fee, \$2. Two credits; autumn, winter, spring. Smith.

COURSES FOR GRADUATES ONLY

210, 212, 214. *Research*.—Two to five credits a quarter; autumn, winter, spring. Magnusson

ENGINEERING SHOPS

Assistant Professor Gilbert S. Schaller, Assistant Sullivan.

52. *Pattern Shop*.—Designing and building wooden patterns and foundry flask equipment. Lab. fee, \$2. One credit; autumn, winter, spring. Sullivan.

53. *Foundry*.—Bench and floor moulding, use of moulding machines, core making, cupola practice, and foundry management. Lab. fee, \$2. One credit; autumn, winter, spring. Sullivan, Schaller.

54. *Forge*.—Forge practice, acetylene welding and heat treatment of steels. Lab. fee, \$2. One credit; autumn, winter, spring. Schaller.

55. *Machine*.—Elementary machine shop practice and management. Lab. fee, \$2. One credit; autumn, winter, spring. Schaller, Sullivan.

56. *Assembly*.—Machine assembly, bench work and inspection, shipping. Prerequisite, Shop 53. Lab. fee, \$2. One credit; autumn, winter, spring. Sullivan.

105. *Advanced Machine Shop Practice, Millwrighting*.—Prerequisite, Shop 53. Lab. fee, \$2. One credit; autumn. Sullivan.

106. *Principles of Shop Management as Applied to Engineering Shops.*—Advanced machine shop practice. Jigs and fixtures. Prerequisite, Shop. 105. Lab. fee, \$2. One credit; winter. Sullivan.

107. *Industrial Management.*—Design and equipment of a representative manufacturing plant. Prerequisite, Shop. 106. Lab. fee, \$2. One credit; spring. Schaller.

115. *Shop Management.*—Correct designing of plants both as to location and physical characteristics, as well as a study of their effective operation. Prerequisite, Shop. 55. Lab. fee, \$2. Three credits; winter. Schaller.

120. *Factory Cost Analysis.*—Analysis of shop practice with view to determining costs of operation and products. Lab. fee, \$2. Three credits; autumn and spring. Schaller.

ENGLISH

Denny Hall

Professors Padelford, Parrington, Benham; Associate Professors Milliman, Cox, Griffith, Orr; Assistant Professors Harrison, Hughes; Lecturer Sperlin; Associates Lawson, Jones, Vickner, Kerrigan, Hall, Winther, Wagenknecht, Adams, Lewis, Mundle, Brown; Assistants and Teaching Fellows.

SUGGESTIONS FOR MAJOR STUDENTS

The major requirement in English is from 36 to 60 hours, of which at least 50 per cent must be in upper division courses. In addition, credits up to 10 hours may be counted for English 1 and 2. The plan of work suggested is (1) a minimum of 27 hours in lectures and discussion courses, and (2) normally a 9-hour course of individual reading in English and American literature under departmental tutors, extending throughout the senior year. The minimum requirement of 36 hours for a major subject is commonly inadequate to prepare for the senior examination and it will be well to increase the election very materially.

Senior Examination.—At the conclusion of the senior year all major students are required to take an examination in literature. The examination will presume (1) a knowledge of the general development of English literature from Anglo-Saxon times, and (2) a more detailed knowledge of important periods and writers. Courses 130 to 138 are extensive studies in the history of English literature, designed to answer the first requirement; around these should be grouped as many special intensive courses as possible. For American literature the important courses are 161, 162, 163.

1-2-3. *Elementary Composition.*—Principles and practice of composition, with conferences for personal criticism. 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 2, on the recommendation of the instructor. Five credits for two quarters; autumn, winter, spring. For Fine Arts students, three credits; autumn, winter, spring. Miss Lawson in charge.

4. *Elementary Composition.*—For students in engineering, forestry, fisheries, and pharmacy. Students are required to repeat the course if their work is not of high quality. Three credits; autumn, winter, spring.

Miss Lawson in charge.

5. *Elementary Composition.*—A second quarter's work for students in fisheries and forestry. Three credits; winter, spring. Miss Lawson in charge.

21. *Introduction to Poetry.*—Designed to develop appreciation and understanding of poetry. Study of the poetic mind and of the materials and

methods of poetic art. Illustrative reading from poets of all periods. Five credits; winter, spring. Hughes.

37. *Argumentation*.—Primarily for students in the College of Business Administration. Research, analysis, the use of evidence and the discovery of fallacies are stressed. Five credits; autumn, winter, spring. Orr in charge.

38. *Argumentation and Debating*.—A study of the principles of argumentation and their application in practical debate. Bibliographies, briefs, and oral and written arguments required of each student. Important questions studied and debated in class. Five credits; autumn and winter. Orr in charge.

40. *Introductory Public Speaking*.—This course seeks to remove self-consciousness; to discover a method of research that will arouse positive convictions; to teach a method for the effective organization of material; to establish the power to think creatively before people; to free the channels of expression so that the thought may be expressed effectively. Five credits; autumn, winter, spring. Orr in charge.

41. *Advanced Public Speaking*.—A more technical study of the problem of speech delivery than in English 40. Both voice and body are trained to be more responsive to the mind. Proper coordination is secured through practical speech problems. Correction of speech defects. Preparation and delivery of speeches of different types before actual audiences when possible. Individual conferences when necessary. Prerequisite, English 40. Three credits; winter and spring. Orr.

51, 52, 53. *Advanced Composition*.—Composition based upon models from current magazines. May be taken for upper division credit. Prerequisite, English 1-2. Two sections. Three credits; autumn, winter, spring. Milliman.

54, 55, 56. *Advanced Composition*.—Criticism and style designed to give a critical and philosophical basis to one's judgments on men, affairs, literature and art. May be taken for upper division credit. Prerequisite, English 1-2. Three credits; autumn, winter, spring. Adams.

61, 62, 63. *Verse Writing*.—Principles of versification, with practice in verse writing. Prerequisite, English 1-2. Two credits; autumn, winter, spring. Hughes.

64, 65, 66. *Literary Backgrounds*.—A historical survey of English classics emphasizing the study of literary forms and the relation of literature to social and political movements. Open to all. Required in the freshman year of pre-journalism majors. Five sections (Section A for pre-journalism majors and students of sophomore standing or above). Five credits; autumn, winter, spring. Griffith in charge.

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; autumn, winter, spring. Milliman.

70, 71. *Shakespeare*.—Detailed study of a few plays, with rapid readings of the remainder. Three credits; autumn, winter. Three sections. Padelford, Adams.

72. *Shakespeare*.—Study of the historical plays. Two sections. Three credits; spring. Adams.

73, 74, 75. *Introduction to Modern Literature*.—Essay studies of European and American thought in the nineteenth century and later; followed by readings in poetry, novel and drama involving similar ideas. Four sections. Three or five credits; autumn, winter, spring. Milliman, Harrison, Winther, Lewis.

98. *The Bible as Literature.*—The literature of the Old Testament. Open to all. Three credits; spring. Padelford.

101. *Debate.*—Students chosen for the debate squad may register for this course. The work is intensive, systematized instruction in practical debate. Regular meetings are held and definite tasks in research, analysis, and practical argumentation are assigned. Each member of the squad appears in public debate. Two credits for the winter quarter will be allowed on recommendation of the instructor in charge. Prerequisite, membership on the debate squad. Two credits; winter. Orr in charge.

102. *Advanced Composition for Engineers.*—In this course, the technical student who wishes to come in contact with authors representative of the thought or the culture of either the past or the present and to improve his own style of writing, is given opportunity to progress in accordance with his ability. Individual conferences, weekly. Prerequisite, English 4. Three credits; autumn, winter, spring. Hall.

104. *Contemporary Literature: American.*—Special studies in contemporary American literature for advanced students. Three credits; autumn, winter, spring. Cox, Harrison, Winther.

105. *Contemporary Literature: Continental.*—Special studies in contemporary Continental literature for advanced students. Three credits; autumn, winter, spring. Harrison, Cox, Winther.

106. *Contemporary Literature: English.*—Special studies in contemporary English literature for advanced students. Three credits; autumn, winter, spring. Cox, Harrison, Winther.

110, 111, 112. *Advanced Verse Writing.*—Given in conjunction with English 1, 62, 63. All the elementary credits must be earned before advanced credits will be given. Two credits; autumn, winter, spring. Hughes.

124, 125, 126. *The English Drama.*—Plays representative of the origin and development of English drama. Three credits a quarter; autumn, winter, spring. Benham.

*127, 128, 129. *Milton and His Contemporaries.*

130. *Medieval Literature: Survey.*—Old and Middle English classics studied in relation to the life and ideals of the Middle Ages. The epic, Caedmon, Cynewulf, King Alfred, The Pearl, Piers Plowman, Gower, Chaucer. Three credits; autumn. Griffith.

131. *Medieval Literature: Chaucer.*—The poetical works of Chaucer. Three credits; winter. Griffith.

132. *Medieval Literature: Romances.*—Medieval narrative literature, tales, lais, saint's legends, metrical romances. Three credits; spring. Griffith.

133, 134, 135. *Main Tendencies in English Literature, I.*—English national ideals from 1400 to 1700. The autumn quarter is devoted to the progress of the Renaissance in English literature and culture, the winter quarter to the Reformation in England, and the spring quarter to a consideration of Milton and Dryden. Three credits; autumn, winter, spring. Benham.

136, 137, 138. *Main Tendencies in English Literature, II.*—English national ideals from 1700 to 1900. The fall quarter is devoted to eighteenth century prose and poetry, the winter quarter to nineteenth century prose, and the spring quarter to a consideration of Matthew Arnold and William Morris. Three credits; autumn, winter, spring. Parrington.

139. *Speech Composition*.—Construction of the longer and more formal type of address, such as the lecture, the sermon, the eulogy, the commemorative address, etc. The laws governing effective speech composition are studied. The best types of modern public addresses are analyzed for structure and style. Consideration of the problems of attention, interest and successful appeal to action. Practice in the development of an effective oral style through the writing of the formal public address. Prerequisite, English 40. Three credits; autumn. Orr.

*141, 142, 143. *Social Ideals in Literature*.

144. *Studies in Eighteenth Century Life and Literature: Johnson and His Age*.—The classical, critical, humanistic, philosophical, and historical interests as reflected in Johnson and his contemporaries. Individual problems to be worked out by students. Three credits; autumn. Cox.

145. *Studies in Eighteenth Century Life and Literature: The Dawn of Romanticism in Poetry*.—From Thomson to Wordsworth. The changing forms, spirit, and materials of poetry. Influences at work. Special problems to be worked out by students. Three credits; winter. Cox.

146. *Studies in Eighteenth Century Life and Literature: Social Life of the Period*.—Travel, the arts (painting, architecture, furniture and interior decoration), classic and Gothic antiquities, the changing industrial and economic situation. Special problems to be worked out by students. Three credits; spring. Cox.

*147, 148, 149. *The English Novel*.

161, 162, 163. *History of American Culture*.—A consideration of American ideals and their expression in literature. The fall quarter is devoted to early New England, the winter quarter to the Knickerbocker School and the literature of the South, and the spring quarter to the New England Renaissance. Three credits; autumn, winter, spring. Parrington.

164, 165, 166. *American Literature Since 1870*.—Autumn, the beginnings of realism; winter, tendencies from 1900 to 1915; spring, contemporary fiction and poetry. Three credits; autumn, winter, spring. Parrington.

170, 171, 172. *Shakespeare*.—His work as a whole in the light of Elizabethan dramatic conditions. Three credits; autumn, winter, spring. Winther.

*174, 175, 176. *Nineteenth Century English Poetry*.—Wordsworth, Shelley, Keats, Tennyson, Browning, Swinburne, Morris, Arnold, Rossetti. Three credits; autumn, winter, spring. Padelford.

*183, 184, 185. *General Literature*.

189. *Oral Reading*.—Principles of expressive reading. Training in the natural use of the voice in reading, teaching and conversation. Practice reading in class, with criticism and suggestions. Offered especially to those who expect to teach English. Prerequisite, upper division standing. Three credits; autumn, winter, spring. Orr.

190. *Public Speaking in the High School*.—A survey of the courses offered in the high schools of the state. A review of the fundamental principles that apply to all effective speaking. A discussion of the aims, standards and methods with special reference to high school courses and high school contests in speaking. The organization of high school courses in public speaking and debate. Methods of coaching debates. Prerequisite, English 38 and 40, and upper division standing. Two credits; spring. Orr.

191, 192, 193. *Major Conference*.—Individual conferences to correlate studies and for guidance in individual reading. Each student is expected to meet his instructor once a week in conference. Three credits; autumn, winter, spring. Cox, Harrison, Winther, Wagenknecht.

Teachers' Course.—See Educ. 160E.

COURSES FOR GRADUATES ONLY

For other graduate courses that may be counted toward an English major for an advanced degree, see French 210, 211, 212, *French Criticism*; and Liberal Arts 214, 215, 216, *Studies in Realism*.

201, 202, 203. *Introduction to Graduate Study*.—Methodology and bibliography of the English language and literature. One credit; autumn, winter, spring. Benham.

204, 205, 206. *Seminar in Chaucer*.—The works of Chaucer and the problems of Chaucerian scholarship. Two to eight credits; autumn, winter, spring. Griffith.

*207, 208, 209. *English Literature from Chaucer to Spenser*.

*211, 212, 213. *Seminar in Sixteenth Century Literature*.

*217, 218, 219. *Seminar in Shakespeare*.

221, 222, 223. *British Culture in the Seventeenth Century*.—Studies in the Renaissance and Reformation as they affect England, 1601-1700. Puritan and Cavalier. Donne, Milton, Browne, Herbert, Herrick, Hobbes, Locke and Dryden. The Jacobean and Restoration Drama. The beginnings of English science. Two to eight credits; autumn, winter, spring. Benham.

224, 225, 226. *Seminar in American Literature*.—Intensive studies in early American literature. Two to eight credits; autumn, winter, spring. Parrington.

230, 231, 232. *Old and Middle English*.—Early English grammar readings in Old and Middle English authors. Three credits; autumn, winter, spring. Vickner.

240, 241, 242. *Seminar in Nineteenth Century Literature*.—Intensive study of writers of the early nineteenth century. Two to eight credits; autumn, winter, spring. Padelford.

250, 251, 252. *Thesis Research*.—Time and credit to be arranged. Autumn, winter, spring. Stag.

OTHER COURSES WHICH MAY RECEIVE CREDIT IN ENGLISH

Play-writing.—See Dramatic Art 111, 112, 113.

History of Theatre Art.—See Dramatic Art 127.

History of Dramatic Form.—See Dramatic Art 151 152, 153.

COURSES IN FOREIGN LITERATURE TAUGHT IN ENGLISH

(For details see foreign language departments)

French 118, 119, 120; German 106, 107, 108; Greek 13; Latin 13; Italian 181, 182, 184; Oriental Literature and Languages 80, 50, 51, 52; Scandinavian 180, 181, 182.

Not offered in 1926-1927.

COMPARATIVE PHILOLOGY

The following courses in Comparative Philology are available in the department of Scandinavian Languages and Literature.

190, 191. *Introduction to the Science of Language*.—Two credits; autumn, winter. Vickner.

192. *Life of Words*.—Two credits; spring. Vickner.

FISHERIES

Fisheries Hall

Professors Cobb, Kincaid; Associate Professor ———; Instructors Crawford, ———.

1, 2. *Introduction to Fisheries*.—General review and history of the world's fisheries. Two credits a quarter; autumn, winter. Cobb.

6. *Pacific Fisheries*.—General review and history of fisheries of the countries bordering on the Pacific Ocean. Winter quarter is open to short course students. Two credits; winter, spring. Cobb.

(Courses 7, 8, 10, 11, 12—See short course circular.)

30. *Food Laws*.—Study of federal, state and foreign laws regulating the sale of food products. One lecture a week. One credit; winter.

50. *Elements of Fisheries*.—Fishery science, stressing economic and cultural aspects of the subject. Lectures, demonstrations, and occasional trips. Offered only to students not enrolled in the College of Fisheries. Three credits; spring.

53, 54. *Ichthyology*.—Structure, classification and habits of economic fishes. Prerequisite, Zool. 1, 2. Lab. fee, \$3. Five credits a quarter; autumn, winter. Crawford

60. *Aquatic Animals other than Fish*.—The natural history of aquatic animals other than fish, such as whales, seals, oysters, clams, crabs, etc. Prerequisite, Zool. 1, 2. Fee, \$3. Three credits; spring. Crawford.

101, 102, 103. *Fish Culture*.—Developmental history and artificial propagation of economic fishes, lobsters, etc. Prerequisite, Fish. 53, 54, and Zool. 5. Lab. fee, \$3. (Fish. 101 repeated in spring quarter.) Five credits a quarter; autumn, winter, spring. Crawford.

104, 105. *Fishery Methods*.—Construction and uses of apparatus. Three lectures and two laboratory periods. Lab. fee, \$3. Five credits a quarter; winter, spring. Cobb.

107. *Fresh, Frozen and Cured Fishery Products*.—Commercial methods in the handling, care, and transportation of fresh and frozen fishery products; methods of curing and preservation by drying, salting, smoking and spicing. Prerequisite, Fish. 54. Three lectures and two laboratory periods. Lab. fee, \$4. Five credits; autumn.

108. *Canning of Fishery Products*.—Commercial methods of canning aquatic animals in either tin or glass. Prerequisite, Fish. 130. Three lectures and two laboratory periods. Lab. fee, \$4. Five credits; spring.

**112. *Oyster and Clam Culture*.—Development and propagation of oysters and clams. Prerequisite, Fish. 60. Lab. fee, \$3. Five credits; autumn.

**Will be offered if a sufficient number of students elect the course.

115. *The Economic Fishery Resources of North America*.—Fishery resources of the North American continent and adjacent seas, their development and commerce, and government policies of conservation. Three credits; spring. Cobb.

130. *Fundamentals of Canning*.—Principles on which canning is based; sterilization, including heat penetration, effect of acid foods on bacteria, and fill of can; exhaust and vacuum, including methods of obtaining, purposes, and effect of temperature and altitude upon vacuum; corrosion of tin plate. Prerequisite, Bact. 101. Five credits; autumn.

**140. *Aquarium Management*.—Study and care of ornamental fresh water fishes in balanced and running water aquaria. Prerequisite, Bot. 53. Three lectures and three two-hour laboratory periods. Lab. fee, \$3. Five credits; autumn. Crawford.

147. *Preparation of Secondary Products*.—Manufacture of fish meal, fertilizer, oils, glues, leathers and furs from aquatic animals. Prerequisite, Fish. 107 and 108. Three lectures and demonstrations. Three credits; spring.

150, 151, 152. *Problems in Fish or Shellfish Culture and Fisheries Technology*.—Students with proper preparation, which should include 15 hours in fish culture, or 15 hours in shellfish culture and Fish. 53, 54, 60, or 15 hours in fishery methods and preparation of fishery products, will be assigned special problems to be worked out under the direction of the instructor. Lab. fee to be arranged. Five credits a quarter; autumn, winter, spring. Cobb and staff.

154. *Diseases of Fish*.—Nature and causes of disease in fish. Three lectures and two laboratory periods. Lab. fee, \$4. Five credits; autumn. Guberlet.

**175. *Exploration of the Sea and its Relation to Economic Food Fishes*.—The influence of various factors in the conditions of life of economic food fishes in the sea. Three credits; spring.

**190. *Fishways and Fish Stops*.—The design, construction and uses of fishways and fish-stops. Two lectures and one laboratory period. Three credits; autumn. Cobb.

195, 196. *Seminar*.—Assigned readings and reports in current periodical literature. Bibliographical work, discussions and symposiums on subjects of general interest to advanced students in fisheries. Prerequisite, senior or graduate standing in fisheries. Two credits; autumn, spring. Cobb.

COURSES FOR GRADUATES

201, 202, 203. *Research Problems*.—Investigation of assigned problems. Open to qualified graduates after consultation. Credits and time to be arranged. Autumn, winter, spring. Cobb and staff.

FORESTRY AND LUMBERING

Anderson Hall

Professors Winkenwerder, Kirkland, Clark; Associate Professor Grondal.

1. *Elementary Dendrology*.—Nomenclature, classification and identification of trees, including all northwest species and one type species of each genus of the important timber trees of North America. Required of freshmen. Two recitations, one quiz and two 3-hour laboratory periods a week, field trips additional. Lab. fee, \$2. Five credits; autumn or spring.

Winkenwerder, Kirkland and assistants.

**Will be given if sufficient number of students elect the course.

2. *General Forestry*.—To familiarize the student with the field of work he is about to enter. Required of all freshmen. Three credits; autumn.

Winkenwerder.

3. *General Forestry*.—Continuation of For. 2, but need not be preceded by it. Three credits; winter.

Winkenwerder.

4. *Forest Protection*.—Its economic importance; forest fires, their prevention and control. Required of freshmen. Three credits; spring or winter.

Winkenwerder.

5. *Woodcraft*.—Food and clothing, camp equipment and sanitation, packing a horse, and general woodcraft. One-half of the course is devoted to first aid work. A section will be arranged for students not enrolled in forestry if not less than 12 apply. Two lectures a week; demonstrations and practice work additional. Lab. fee, \$2. Two credits; autumn.

Clark, Kirkland, Hall.

6. *General Forestry*.—For students not majoring in forestry. Prerequisite to all other courses in forestry for non-majors in forestry, offered primarily for business administration students who desire to prepare for work in lumber marketing. Others admitted until section is full. Three credits; winter.

Winkenwerder.

51. *Forest Mensuration*.—Principles and methods of computing, scaling, cruising, mapping; construction of volume tables, taper tables, and form factors. Three recitations, two 3-hour laboratory periods. Prerequisite. Math. 51, C.E. 55. Lab. fee, \$2. Five credits; winter. Clark and assistant.

52. *Forest Mensuration*.—Methods of studying growth in diameter, height and volume; sample plot methods, construction and use of growth and yield tables. Three recitations and two 3-hour laboratory periods. Prerequisite, For. 51. Lab. fee, \$2. Five credits; spring.

Winkenwerder and assistant.

53. *Construction*.—Trails, roads, logging railroads, telephone lines, wooden bridges, cabins, barns, and fences; land clearing, United States Forest Service improvement work, and logging construction. Required of sophomores. Prerequisite, G.E. 21 or C.E. 55. Lab. fee, \$2. Three credits; autumn.

Clark and assistants.

57a. *Silvics*.—Climate, soil and life factors which determine character of forest vegetation. Form and characters of the individual tree. Life history of the forest. Silvical characteristics of tree species. Lectures and quiz. Required of sophomores. Prerequisite, 10 hours botany, For. 1. Three credits; autumn or winter.

Kirkland.

57b. *Field Methods in Silviculture*.—To accompany 57a. One 3-hour laboratory period. Elective. Lab. fee, \$2. One credit; autumn. Kirkland.

58. *Silviculture*.—Regeneration of forests by natural reproduction, seedling or planting. Care of young, middle-aged and older stands. Nursery practice. Required of sophomores. Prerequisite For. 57a. Lab. fee, \$2. Five credits; spring.

Kirkland.

101. *Wood Technology*.—Wood structure and identification of commercial timbers of the United States; physical properties of woods; kiln drying. Required of juniors. Prerequisite to all courses in forest products; prerequisites, college botany, For. 1, 10 hours chemistry and Physics 1. Lab. fee, \$2. Five credits; autumn.

Grondal.

104. *Timber Testing*.—General mechanics, stresses, tests, theory of flexure, moisture and strength; mechanical properties of wood. Required of juniors. Prerequisite, Math. 56, For. 101, Physics 1 and 2. Lab. fee, \$2. Five credits; winter.

105. *Wood Preservation*.—Nature of decay of timber; methods and economics of preservation. Laboratory work with the college treating plant and reports on local creosoting plants. Required of juniors and graduates. Prerequisites, For. 101 and ten hours of chemistry. Lab. fee, \$2. Five credits; spring. Grondal.

110. *Characteristics of Trees*.—Identification, distribution, life habits, and uses of trees of the Pacific Northwest. Offered only to students not enrolled in forestry. Two lectures weekly and occasional field trips. Two credits; spring. Winkenwerder.

119. *Forest Administration*.—Objects, principles and methods of administering private and public forests and forest industries. Prerequisite, For. 126 or may be taken concurrently. Three credits; winter. Kirkland.

126. *Forest Economics*.—Forests of the United States, their uses and relation to other industries and resources. Statistics of production and consumption. Required of juniors or seniors in forestry and open to students in other departments. Prerequisite, B.A. 1 or 3. Three credits; winter. Kirkland.

151. *Forest Finance and Valuation*.—Mathematics of forest finance and operations; cost of growing timber; valuation of land for forest production. Required of students in senior or graduate year. Prerequisites, For. 52 and 58. Five credits; autumn. Kirkland.

152. *Forest Organization*.—Principles of forest organization and regulation of the cut; advantages of foresight and planning in forest operations for a term of years; sustained yield management of forests; forest working plans. Required of students in senior or graduate year. Prerequisite, For. 151. Five credits; winter. Kirkland.

153. *General Lumbering*.—Comparative methods of lumbering on the Pacific Coast and in other lumbering regions of the United States. Prerequisite to all courses in logging and milling. Required of juniors. Five credits; autumn. Clark.

157. *Lumber and its Uses*.—Wood structure, leading to identification of local species; physical and mechanical properties of wood. Primarily for business administration students (not open to students majoring in forestry). Three credits; winter. Grondal.

158. *Forest Utilization*.—Pulp and paper manufacture, tannic acid, naval stores and other secondary forest products; lumber and its economic uses in construction. Required of juniors and graduates. Prerequisite, For. 101, and 10 hours of chemistry. Five credits; winter. Grondal.

160, 161, 162. *Forest Investigations*.—The object of this course is to enable students to prepare themselves for work in certain special fields for which the College of Forestry offers no regular courses, such as grazing, city forestry, tree surgery, forest recreation, etc. Credits to be arranged any quarter. Instructor assigned according to nature of work. Registration in this course subject to the approval of the dean of the college. Lab. fee, \$3. Winkenwerder, Grondal, Kirkland.

183. *Milling*.—The sawmill; yard arrangements; practical operation, practical problems at local sawmills. For seniors and graduates. Prerequisites, M.E. 82, For. 104, 153, 158. Five credits; autumn. Grondal.

184. *Manufacturing Problems*.—Technical trade requirements, routine of sawmill practice; relation of waste to marketing, lumber grades and their uses. Exports. Prerequisite, For. 183. Three credits; winter. Grondal.

185-186-187. Logging Engineering.—Logging machinery and equipment, organization of logging companies, construction of railroads, camps, etc. Lectures, demonstrations at plants manufacturing logging machinery, and field work in nearby logging camps. During the third quarter all the work is transferred to the field, where extensive work in logging engineering is conducted. No credit is given for courses 185 and 186 unless followed by 187. Primarily for seniors and graduates. Prerequisites, For. 52, 53, 58, 104, 153, M.E. 82, C.E. 22. Lab. fee for 187, \$3. Four credits a quarter, autumn and winter. Sixteen credits; spring. Clark.

188, 189. Advanced Forest Products.—Advanced studies in wood technology and utilization, with individual problems. A laboratory course. Prerequisite, For. 101, 158. Lab. fee, \$3. Five credits; spring, winter. Grondal.

COURSES FOR GRADUATES ONLY

201. Forest Geography.—Advanced dendrology. Silvicultural regions, their relation to regional industrial development and general problems of lumbering and management. Three credits; autumn. Winkenwerder.

202. Thesis.—Autumn, winter, or spring; three to six credits per quarter, total requirement nine credits. Instructors assigned according to nature of work. Staff.

208, 209. Seminar.—Reviews, assigned readings, reports, and discussions on current periodical literature and the more recent Forest Service and state publications. Two credits a quarter; autumn, winter. Kirkland, Winkenwerder.

213, 214, 215. Research.—Credits to be arranged; any quarter. Instructors assigned according to nature of work. Lab. fee, \$3. Staff.

221. Forest History and Policy.—Forest policy of the United States; forestry in the states and inland possessions; the rise of forestry abroad. Three credits; autumn. Kirkland.

223. Advanced Forest Management.—About one week of field work on a tract of 50,000 to 100,000 acres. Formation of a working plan for regulation of the yield and organization of all forest work on the area, with estimates of outlay and income. The basic field data are supplied. Eight credits; spring. Kirkland.

224. Advanced Milling and Marketing.—Sawmill design and a detailed study of special problems in sawmill operation and management. Five credits; spring. Grondal.

GENERAL ENGINEERING

Education Hall

Assistant Professors Wilcox, Collier, Warner; Instructors Amalleff, Chittenden, Hawthorn, Dodd, Van Horn, Farquharson, White.

1. Engineering Drawing.—Lettering; engineering sketching, fundamental principles of working drawings. Lab. fee, \$2. Three credits; autumn, winter, spring. Wilcox.

2. Engineering Drawing.—Use of instruments; reading of drawings; detail and assembly drawings; tracing, standards and conventions. Prerequisite, G.E. 1. Three credits; autumn, winter, spring. Wilcox.

7. Engineering Drawing.—A special short course for Forestry and

Fisheries. Lettering, use of instruments, orthographic projection, working drawings and tracings. Lab. fee, \$2. Three credits; winter, spring. Wilcox.

11. *Engineering Problems.*—Training in methods of attacking, analyzing and solving engineering problems. Coaching in proper methods of work and study, including training in systematic arrangement and clear workmanship. Deal principally with the dynamic side of the problems. Three credits; autumn, winter, spring. Wilcox.

12. *Engineering Problems.*—Continuation of the work in G.E. 11, most of the time being devoted to statics and mechanics of materials. Prerequisites, G.E. 1, G.E. 11 and Math. 51. Should be preceded or accompanied by Math. 52. Three credits; autumn, winter, spring. Wilcox.

13. *Engineering Problems.*—Detailed analysis and solution of engineering problems dealing with space and dimensions by the use of graphic methods. Prerequisites, G.E. 1 and G.E. 2. Three credits; autumn, winter, spring. Wilcox.

21. *Plane Surveying.*—Surveying methods, instruments, computations, mapping, U.S. public land surveys. Prerequisites, G.E. 1, 2 and Math. 51. All freshman engineers. Lab. fee, \$2. Three credits; autumn, winter, spring. Wilcox.

GEOLOGY

Science Hall

Professors Landes, Weaver; Assistant Professors Saunders, Goodspeed.

Courses in the department are grouped to lead into different fields of geological work, as follows:

General Geology: Courses 1a-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.

The year in geology for Liberal Arts and Business Administration students may be satisfied by the following combinations: Courses 1a, 1b and 2; 1a, 1b and 11; 10 and 11; 1a, 1b and 112.

To satisfy a science requirement, courses 1a and 1b may be taken the same quarter, or 1a must be taken first, followed by 1b. As free electives, credit will be given if these courses, 1a and 1b are taken separately.

1a. *General Geology.*—Materials of the earth, rocks, minerals, and rock structure. Lectures and laboratory work with occasional half-day field trips. Lab. fee, \$1. Three credits; autumn, winter, spring. Goodspeed.

1b. *General Geology.*—Geological agencies and processes affecting the earth's surface. Lectures and laboratory work with occasional half-day field trips. Lab. fee, \$1. Two credits; autumn, winter, spring. Saunders.

2. *General Geology.*—Historical. Continuation of course 1 dealing with the origin and evolution of the earth. Lectures and laboratory work, with some field excursions. Prerequisite, Geol. 1a, 1b. Lab. fee, \$2. Five credits; autumn, winter, spring. Weaver.

4. *Principles of Geology.*—Historical. The earth's origin and the general history of the continent. For College of Mines students only. Lectures, recitations and field trips, without laboratory work. Prerequisite, Geol. 1a, 1b. Three credits; spring. Weaver

†10. *Modern Geography*.—Problems of modern geography; scientific investigation of geographic environment and its influence; use of maps and charts; geographic control of production and trade; major geographic features of the continents. Lab. fee, \$1. Three or five credits; autumn.

Saunders.

†11. *Weather and Climate*.—Weather elements and controls; causes and effects of atmospheric conditions; principles and methods of weather forecasting and use of instruments. With or without laboratory work. Lab. fee, \$1. Three or five credits; winter.

Saunders.

21. *Mineralogy*.—Crystallography, followed by descriptive mineralogy and blowpipe methods. Prerequisite, Geol. 1a, 1b, and at least a high school course in chemistry. Lab. fee, \$2. Five credits; winter.

Landes.

101. *History of Geology*.—The rise of geology as a science, the men who were its founders and the wealth of literature available to the student. Prerequisites, Geol. 1a, 1b and 2. Three credits; autumn.

Landes.

105. *Geology for Engineers*.—Survey of the field of general geology for the special needs of students in civil, electrical, or mechanical engineering. Prerequisite, junior standing in the College of Engineering. Lab. fee, \$2. Five credits; winter.

Goodspeed.

107. *Geology of Washington*.—Lectures with assigned readings and laboratory study. Prerequisite, one quarter of general geology or physiography. Three credits; spring.

Landes.

111. *Climatology*.—Broader aspects of climate controls and characteristics of different climates and climatic provinces, with special reference to United States and the Pacific Coast. Prerequisite, Geol. 10 or 11 or equivalent work. Three credits; spring.

Saunders.

†112. *Physiography of the United States*.—Physiographic regions of the United States and their effects on development and history of the country. With or without laboratory work. Prerequisite, Geol. 10 or Geol. 1a and 1b. Lab. fee, \$1. Three or five credits; autumn.

Saunders.

113. *Physiography of Europe*.—Physiographic regions of Europe and effects of topography and climate on development and relations of different countries. Lectures and map study. Prerequisite, Geol. 10 or Geol. 1a and 1b. Three credits; winter.

Saunders.

114. *Oceanography*.—The ocean, oceanic circulation and temperatures in their geographic relations and influence. Prerequisite, Geol. 10 and 11 or equivalent work. Two credits; spring.

Saunders.

*116. *Economic Geography of Washington*.

117. *Geography of Asia*.—Study of the continent by natural regions based on geography, topography and climate. Three credits; spring.

Saunders.

118. *Geography of South America*.—Physiographic and geologic features, climate and resources of the continent and their effects on development and relations of different countries. Three credits; winter.

Saunders.

120. *Petrology*.—Rocks, their components, occurrence, and structural relations. Occasional field trips. Lab. fee, \$2. Prerequisite, Geol. 1a, 1b and 21. Three credits; spring.

Goodspeed.

121. *Advanced Mineralogy*.—Opaque, metalliferous minerals studied with the reflecting microscope, or "mineragraphy"; relation of the latter to

†May be taken without laboratory for three credits.

*Not offered in 1926-27.

geologic, mining and metallurgical problems. Prerequisite, Geol. 123. Three credits; autumn. Goodspeed.

122. *Field Methods*.—Principles and methods of geologic surveying and mapping. Detailed field work in small areas, with field trips. Prerequisite, Geol. 1a, 1b, 2, 21 and 120. Two credits; spring. Goodspeed.

123. *Optical Mineralogy*.—Use of the Polarizing microscope in the examination of minerals and rocks in thin sections. Prerequisite, Geol. 1a, 1b and 120. Lab. fee, \$2. Three credits; autumn. Goodspeed.

124. *Petrography*.—Principles of petrography and petrographic methods in the systematic study of igneous, sedimentary and metamorphic rocks. Prerequisite, Geol. 123. Lab. fee, \$2. Four credits; winter. Goodspeed.

125. *Advanced Petrography*.—Continuation of the work in petrography with special reference to sedimentary petrography. Prerequisite, Geol. 124. Two credits with additional credits optional; spring. Goodspeed.

126. *Economic Geology*.—Economic deposits of the principal non-metallic minerals, their production and uses. Lectures and discussion of papers. Prerequisites, Geol. 1a, 1b and 21. Three credits; autumn. Landes.

127. *Economic Geology*.—Economic deposits of the chief metallic minerals, their production and uses. Lectures and discussion of papers. Prerequisites, Geol. 1a, 1b, 21 and 124. Five credits; winter. Landes.

128. *Economic Geology*.—Petroleum fields of the world. Lectures and discussion of papers. Prerequisites, Geol. 1a, 1b, and 2. Three credits; spring. Landes.

130. *Economic Geology*.—Minor or less known non-metallic minerals of commercial importance. Prerequisite, Geol. 126. Two credits; winter. Landes.

131. *General Paleontology*.—Principles of paleontology and a general systematic study of fossils. Prerequisite, Geol. 2. Lab. fee, \$2. Five credits; winter. Weaver.

132. *Invertebrate Paleontology*.—A study of the more important type fossils of each geologic period. Prerequisite, Geol. 131. Lab. fee, \$2. Five credits; spring. Weaver.

140. *Structural and Stratigraphic Geology*.—Certain structural and stratigraphic features, and their practical applications. Prerequisites, Geol. 2, 120, and 122. Three credits; autumn. Weaver.

Teachers' Course in Geology.—See Educ. 160F.

COURSES FOR GRADUATES ONLY

200. Field studies or advanced work in general geology. Credits and hours to be arranged. Each quarter. Staff.

210. Advanced or research work in geography, climatology or physiography. Credits and hours to be arranged. Each quarter. Saunders.

220. Advanced or research work in mineralogy, petrography and metamorphism. Credits and hours to be arranged. Each quarter. Goodspeed.

225. Advanced or research work in economic geology. Credits and hours to be arranged. Each quarter. Landes.

230. Advanced or research work in paleontology and stratigraphy. Credits and hours to be arranged. Each quarter. Weaver.

GERMANIC LANGUAGES AND LITERATURE

Home Economics Hall

Assistant Professor Eckelman; Associate Wesner; Assistant Terzieff.

Requirements for a departmental major: at least 35 hours in the department chosen from courses other than German 1, 2, 3. At least 50 per cent of the hours in the major must be in upper division courses. For the departmental or academic major, who wishes a recommendation to teach: the same, including German 110, Educ. 160G and at least nine credits in literature.

Credit is allowed for any quarter in any course except 1-2.

All courses are conducted in German unless otherwise specified.

1-2. *First Year*.—Stage pronunciation, grammar, reading of easy prose and verse, conversation. Five credits a quarter; autumn, winter, spring.

Wesner, Terzieff, Ankele.

3. *First Year Reading*.—Reading of modern prose, conversation, composition, continuation of grammar. Prerequisite, Ger. 1-2 or one year in high school. Five credits a quarter; autumn, winter, spring.

Wesner, Terzieff.

5. *Second Year Reading*.—Pronunciation, vocabulary building, reading of modern prose, simple conversation. Prerequisite, Ger. 3 or two years high school. Three credits; autumn, winter.

Wesner.

6. *Second Year Rapid Reading*.—Modern prose, vocabulary building, simple conversation. Prerequisite, Ger. 5 or 10; Ger. 3 Grade A, or on consent of instructor. Three credits; winter spring.

Wesner.

10, 11, 12. *Second Year Review Course*.—Modern prose, grammar review with emphasis on syntax, simple conversation. Prerequisite as for German 5. Two credits, autumn, winter; three credits, spring.

Wesner.

60, 61. *Lower Division Scientific German*.—Introduction to chemical German. Class work. Suitable outside reading. Vocabulary building. Prerequisite, Ger. 5, 10 or 11; Ger. 3 Grade A or B, or combinations, with consent of instructor. Three credits; autumn, winter.

Eckelman, Wesner.

70. *German Literature in Translation*.—The best novels of the nineteenth century. A study of representative writers and of the forces that molded their work. Lectures, discussion, written reports. No knowledge of German required. Three credits, autumn.

Eckelman.

*100. *Schiller*.

*104. *Recent Writers*.—The best prose and dramatic literature adapted to rapid reading and representative of German middle class and industrial life. Written and oral reports. Prerequisite, Ger. 6 or 12 or three years of high school German. Three credits; autumn.

Eckelman.

106. *German Literature in Translation*.—Goethe, the poet. An introductory study primarily of his lyrics, the approach to an understanding of the personality of the artist. Lectures, discussion, written reports. No knowledge of German required. Three credits, spring.

Eckelman.

108. *German Literature in Translation*.—The drama, primarily of the nineteenth century. The forerunners of Ibsen in Germany; Hauptmann; the post-war expressionism. A study of post-classical conceptions of the tragic. Lectures, discussion, written reports. No knowledge of German required. Two credits, winter.

Eckelman.

110. *Advanced Composition*.—Grammar and syntax, translation and orig-

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inal composition, oral work, letter writing, themes. Prerequisite, Ger. 6 or 12, 5 and 10 or 11. Two credits, winter. Eckelman.

115, 116. *Upper Division Scientific German*.—Scientific essays, monographs, technical periodicals. Each student does private reading in his own field under guidance of the instructor and major professor. Conferences. Prerequisite, Ger. 5 and 10, 60 or 61, or three years in high school. Two or three credits a quarter; winter, spring. Eckelman.

*118-119-120. *German Prose Reading*.

*121. *Phonetics*.

*130-131-132. *German Institutions*.

*133-134-135. *Modern Novels*.

*136. *Modern Drama*.

*140. *Studies in German Literature*.

142. *Lyrics and Ballads*.—The Romanticists. Uhland, Heine, Mörike, Storm. Schiller's ballads. Class reading and assigned topics. Prerequisite, Ger. 6 and 10 or 11. Three credits; spring. Eckelman.

151. *Lessing*.—Life and dramatic works. Minna von Bernhelm, Emilia Galotti, Nathan der Weise. Assigned topics. Prerequisite, Ger. 6 or 12 or equivalent. Three credits; winter. Eckelman.

*152, 153. *Goethe's Lyrics and Dramatic Works*.

180, 181, 182. *Nineteenth Century Literature*.—The drama and novel to 1880. Kleist, Grillparzer, Hebbel, Ludwig, Raabe, Keller, Storm, C. F. Meyer. Primarily for graduates. Three credits; exceptional students may earn six credits; autumn, winter, 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. *Middle High German*.

*256-257-258. *Gothic*.

*259. *Old Saxon*.

Teachers' Course in German.—See Educ. 160G.

COMPARATIVE PHILOLOGY

The following courses in Comparative Philology are available in the department of Scandinavian Languages and Literature:

190-191. *Introduction to the Science of Language*.—Two credits; autumn, winter. Vickner.

192. *Life of Words*.—Two credits; spring. Vickner.

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HISTORY

Denny Hall and Philosophy Hall

Professors Meany, Richardson; Associate Professor McMahon; Assistant Professors Lucas, ———; Associates Buchanan, ———; Instructors Quainton, Dobie; Professor Gowen and Lecturer Hall of the Department of Oriental Languages and Literature.

Requirements of the Department

The University requirements in history may be satisfied by one of the following courses:

Medieval and Modern European History (1-2). It is desirable that this course be selected in fulfillment of the history requirements and that it be taken in the freshman year. It is repeated each 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 upperclassmen.

Ancient History (71-72-73). Open without prerequisites to sophomores and upperclassmen.

For a major at least fifty per cent of the credits in the department must be obtained in courses carrying upper division credit. Course 1-2 is required of all history majors.

It is recommended that all history majors shall take in excess of departmental requirements additional work in history and in certain related fields such as political and social science, modern foreign languages and literature, English and American literature, and philosophy. Selection should be made, under advice, among the following courses and sequences in correlated fields:

I. Political and Social Sciences.—Anthropology, (one of the following) 51, 101, 110, 185; Economics and Business Administration, 1, 103, 127; or 1, 61, 162; or 1, 160, 168; or Geology 10, followed by Economics 7; Political Science 1, 111; or 1, 112; or 151, 152, 153; Sociology 1, 150; Zoology 16.

II. Language and Literatures.—English 133, 134, 135 to be taken in correlation with History 5-6 and to be followed by English 136, 137, 138; English 67, 68, 69; or 161, 162, 163; or 164, 165, 166, in correlation with American history courses.

Survey courses in foreign languages: French 118, 119, 120; German 106, 108; Italian 184; Scandinavian 109, 110, 111; or 180, 181, 182; Oriental Languages and Literature 116, which correlates with ancient and medieval history courses.

Medieval Latin (Latin 153) is desirable for those who intend to study history for advanced professional purposes, and, in general, a reading knowledge of the basic language in the chosen field is indispensable for satisfactory graduate work.

III. Philosophy.—Philosophy 2 or 101-102-103.

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 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.

1-2. Medieval and Modern European History.—General survey from the Roman world empire of Augustus to our own times. Five credits a quarter; autumn, winter, spring. Quainton, Buchanan, Dobie.

The above course is repeated beginning with the winter quarter.

5-6. *English Political and Social History*.—Political, social, economic and intellectual development of the English people from the Saxon conquest to the present time. Five credits a quarter. By special work under direction of the instructor upper division students may receive upper division credit. Autumn, winter. Richardson.

8. *Westward Movement in the U.S. to 1812*.—The advance of the frontier and its effect on American ideals from the colonial period to the war of 1812. Two credits; autumn. Dobie.

9. *Westward Movement in the U.S., 1812-1860*.—The frontier from the war of 1812 to the civil war. Two credits; winter. Dobie.

10. *The Agrarian Crusade in the U.S., 1860-1924*.—The agrarian movements for control, their causes and results. Two credits; spring. Dobie.

25. *Introduction to History of Asia*.—This course aims to give a resume of the main currents of human movement in the history of the continent of Asia. Five credits; autumn. Gowen.

57-58-59. *History of the United States*.—A general survey with emphasis on political and economic history. Not open to freshmen. Three credits a quarter; autumn, winter, spring. McMahon.

60. *Makers of the Nation*.—Period of Revolution and the Constitution. Two credits; autumn. Meany.

61. *Makers of the Nation*.—Period of the Monroe Doctrine and Boundary settlements. Two credits; winter. Meany.

62. *Makers of the Nation*.—Period of National Development. Two credits; spring. Meany.

71-72-73. *Ancient History*.—History of the ancient world to the times of Augustus. By special work under direction of the instructor upper division students may receive upper division credit. Not open to freshmen. Three credits a quarter; autumn, winter, spring.

81-82-83. *England Since the Accession of George I*.—Construction of the British commonwealth, Imperial problems, internal economic and institutional developments, growth of democracy. Prerequisite, Hist. 1-2 or 5-6. By special work under direction of the instructor upper division students may receive upper division credit. Not open to freshmen. Two credits a quarter; autumn, winter, spring. Quainton.

*85-86. *Medieval Civilization*.

101. *Alexander the Great: His Empire and His Successors*.—Three credits; autumn.

102. *The Greek Federal Leagues: Their History and Institutions*.—Three credits; winter.

*103-104. *The Roman Empire from Augustus to Justinian*.

105-106-107. *English Constitutional History*.—Development of legal and governmental institutions of the English people to the present time. Valuable for students of political science and law as well as history. Prerequisite, Hist. 5-6, except for upper division students who are majoring in economics, sociology and political science, or who are taking 5-6. Open to pre-law sophomores who have taken 5-6 in freshman year. Pre-law sophomores who elect this course and have not taken 5-6 are required to take

*Not offered in 1926-27.

Hist. 108-109-110. Three credits a quarter; autumn, winter, spring.
Richardson.

108-109-110. *English Political History, Pre-law*.—Open only to pre-law sophomores and majors in political science, economics and history who are taking Hist. 105-106-107. All pre-law sophomores who are taking 105-106-107 and who have not taken 5-6 or are not taking it, are *required* to take this course. Two credits a quarter; autumn, winter, spring.

Richardson, Buchanan.

111. *Greek Political Institutions*.—Three credits; spring. ———.

*114. *Renaissance and Reformation*. ———

*117. *France from the Reformation to the French Revolution*.

*121-122-123. *Prussia and Northern Europe in the 17th and 18th Centuries*.

125. *Turkey and the Near East, 1453-1925*.—The Near Eastern question; the rise, expansion and decline of the Ottoman Empire; the awakening and development of the Balkan peoples. Prerequisite, Hist. 1-2, or 131. Five credits; spring.
Quainton.

129. *The French Revolution and Napoleonic Era*.—Prerequisite, Hist. 1-2. Five credits; autumn.
Quainton.

130. *Europe, 1814-1870*.—Prerequisite, Hist. 1-2. Five credits; winter.
Quainton.

131. *Europe Since 1870: The War and its Background*.—Historical background, fundamental causes and progressive development of events and issues in the world war. Five credits; spring.
Richardson.

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. *History of the United States, 1789-1815*.

*144. *History of the United States, 1815-1846*.

*145. *History of the United States, 1846-1860*.

147. *History of the Civil War Period*.—Open only to juniors, seniors and graduates. Three credits; autumn.
McMahon.

148. *History of the Reconstruction Period*.—Open only to juniors, seniors and graduates. Three credits; winter.
McMahon.

149. *History of National Development*.—Development of the American nation from the close of the reconstruction period to the present time. Open to juniors, seniors, graduates. Five credits; spring.
McMahon.

153. *The Pacific Rim*.—History of the countries bordering upon the Pacific Ocean with especial reference to recent changes. Open to juniors, seniors and graduates. Three credits; autumn.
Meany.

154. *Spain in America*.—Rise and fall of Spanish power in America, and an outline of the history of the Spanish-American republics. Open to juniors, seniors and graduates. Three credits; winter.
Meany.

155. *History of Canada*.—Canadian development to the present time. Open to juniors, seniors and graduates. Three credits; 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 a quarter; autumn, winter, spring. Meany

160. *History in the High School*.—The meaning, value, aims and place of history in the high school curriculum; historical problems. Prerequisite for Educ. 160H. Two credits; autumn. McMahon.

163-164-165. *Northwestern History*.—From the earliest voyage to the Pacific Northwest to the organization of the present form of government. Open to juniors, seniors and graduates. Two credits a quarter; autumn, winter, spring. Meany.

175. *History of China I*.—From the beginnings in the Upper Yellow river valley B.C. 3000 to the Manchu Dynasty, A.D. 1644. Five credits; autumn. Hall.

176. *History of China II*.—From 1644 to present, with special emphasis on the Chinese Republic. Five credits; winter. Hall.

178. *History of Japan I*.—From the emergence from barbarism and contact with Chinese culture of fifth century A.D. to the end of the Tokugawa Shogunate. Five credits; winter. Gowen.

179. *History of Japan II*.—From the Restoration to the present, with special attention to Japan's colonial expansion. Five credits; spring. Hall.

Teachers' Course in History.—See Education 160H.

COURSES FOR GRADUATES ONLY

201-202-203. *Methods of Historical Research and Criticism*.—The sessions of this class will frequently exceed one hour. One credit a quarter; autumn, winter, spring. Richardson.

*204-205-206. *Historiography*.

207-208-209. *Problems and Sources of Greek and Roman History*.—Two to five credits a quarter; autumn, winter, spring.

*211-212-213. *Research in European History (1300-1600)*.

215-216-217. *Seminar in English History*.—Two credits a quarter; autumn, winter, spring. Richardson.

221-222-223. *Seminar in American History*.—Two credits a quarter; autumn, winter, spring. McMahon.

227-228-229. *Seminar in State History*.—Two credits a quarter; autumn, winter, spring. Meany.

HOME ECONOMICS

Home Economics Hall

Professor Raitt; Associate Professor Denny; Assistant Professors Patty, Bliss, Koehne; Instructors Dresslar, Lusby

(For curricula in Home Economics see College of Science Bulletin.)

Food Selection and Preparation.—Courses 1, 4, 5, 9, 116, 120, 121, 183, 200.

*Not offered in 1926-27.

Nutrition.—Courses 2, 104, 105-106, 107-108, 190, 191, 204, 205, 206.

Household Sanitation, Furnishings, Administration.—Courses 3, 43, 109, 143, 144, 145, 148, 203.

Textiles and Clothing.—Courses 8, 25, 101, 102, 112-113, 127, 130, 131, 133, 135, 188, 207, 208, 209, 210, 211, 212.

Institutional Management.—Courses 122, 123, 124, 125.

Home Economics Education.—Courses 7, 111, 202, Educ. 160I, and 160J.

*1. *Food Preparation.*

*2. *Elements of Nutrition.*

*3. *Elements of Home Management.*

4. *Food: Selection and Preparation.*—Credit for cookery in high school exempts students from this course. Three 2-hour periods, recitation and laboratory work. Lab. fee, \$6. Three credits; autumn, spring. Bliss.

5. *Food: Selection and Preparation.*—A study of food materials; composition, cost and market conditions as a basis for selection. Principles of food preparation and practice in cookery of such food materials as cereal products, vegetables, fruit, dairy products, meat and fish. Prerequisites, H.E. 4, Chem. 5-6, Physiology 7. Two lectures and three 2-hour periods, recitation and laboratory work. Lab. fee, \$6. Five credits; autumn, winter. Dresslar.

7. *Home Economics Survey.*—Introduction to college work, opportunities offered by the University. The place of home economics, its history, objectives, professional opportunities. Related subjects. Personal accounts and budgets. Two credits; autumn, spring. Raitt.

8. *Clothing.*—Construction of garments requiring hand and machine sewing. Study of materials and design. Comparison with ready-made clothing. Credit for high school clothing exempts students from this course. Three 2-hour periods, recitation and laboratory work. Lab. fee, \$2. Three credits; autumn. Patty.

9. *Food: Selection and Preparation; Elements of Nutrition.*—Composition, principles underlying cookery; nutritive value of foods. Sanitation in relation to market condition and care of food after purchase. Open to student nurses only. Two lectures, one hour quiz and three 2-hour periods, recitation and laboratory practice. Lab. fee, \$6. Six credits; autumn, spring. Dresslar.

25. *Textiles and Clothing.*—Identification and testing of fabrics. Economics of the textile industry. Comparative values in all types of clothing. Hygiene of clothing. Care and renovation. Clothing budgets. Two lectures and three 2-hour periods, recitation and laboratory work. Lab. fee, \$3. Five credits; autumn, winter, spring. Denny.

43. *Home Sanitation.*—Selection, care and use of equipment. Cleaning and renovation of the materials of the household. Laundering, relation to textiles, equipment, practice. Efficiency studies. Three 2-hour periods, recitation and laboratory work. Lab. fee, \$2. Three credits; spring. Dresslar.

Principles of Nutrition.—(See Phys. Educ. 54-55-56.)—Food and nutrition in relation to health. Required of second year women. One lecture a week. Two-thirds of a credit; autumn, winter, spring. (Credit in physical education only.) Course 54 prerequisite to 55. (One section each quarter,

*Not offered in 1926-27.

three hours a week for two credits, thus completing the requirement in a Bliss.
single quarter.)

101, 102. *Needlecraft*.—History of lace and needlecraft. Application of principles of design to problems in needlework related to dress and house furnishings. Prerequisite, H.E. 8 and P.S.D. 9. Two 2-hour periods, recitation and laboratory work. Lab. fee, \$2. Two credits a quarter; autumn, winter. Denny.

104. *Nutrition*.—A study of the value of each food material, essentials in the diet. Diet as a factor in the maintenance of health. Open to men only. Of special interest to house managers, pre-medical students, athletes, and men in the colleges of mines, forestry, fisheries, and the department of military training. Lecture and discussion. Two credits; spring. Rowntree.

105-106. *Nutrition: Elementary Dietetics*.—*Normal Human Nutrition and Diet for the Sick*.—For nurses, social service students and those wishing to obtain practical knowledge of nutrition as a part of a liberal education. Prerequisites, H.E. 4, Chem. 5-6, Physiology 7. Three lectures, two 2-hour periods, recitation and laboratory work. Lab. fee, \$6. Five credits a quarter; autumn, winter. Rowntree.

107-108. *Nutrition: Dietetics*.—*Principles of Human Nutrition*.—Nutritive value of foods, normal and specific physical requirements at different ages, metabolism, food habits, group feeding problems. For teachers of home economics and those who will enter professions related to food and nutrition. Prerequisites, H.E. 5, Chem. 135-136. Pre-medical students, chemistry and physiology majors may enroll with instructor's consent. Three lectures. Two 2-hour periods, recitation and laboratory work. Lab. fee, \$6. Five credits a quarter; autumn, winter. Rowntree.

109. *Elements of Home Economics*.—Service course for students training for social service. Consideration of household budgets, elements of nutrition and home sanitation. Five credits; winter. Raitt.

111. *Child Care and Development*.—Heredity and eugenics. The psychology of children of pre-school age; physical care; hygiene of clothing. Prerequisites, Psych. 1, Nursing 5, H.E. 25. Prerequisite or parallel, H.E. 105 or 107. A preferred elective for majors in home economics. Field work and excursions on Saturdays. Lab. fee, \$3. Three credits; spring. Kincaid, S. Smith, Soule, Denny.

112-113. *Clothing: Costume Design and Construction*.—Principles of design applied to dress and accessories. Practice in selection and construction. Prerequisite, H.E. 8 and P.S.D. 9. Five 2-hour periods, recitation and laboratory work. Lab. fee, \$3. Five credits a quarter; autumn and winter; winter and spring, respectively. Patty.

116. *Food: Selection and Preparation*.—Continuation of H.E. 5. A study of batters and doughs, meal planning and table service. Two lectures and three 2-hour periods, laboratory practice and recitation. Lab. fee, \$6. Five credits; winter, spring. Dresslar.

120. *Food: Advanced Food Preparation*.—Finer processes in technique with emphasis upon esthetic values. Contribution of various countries to the art of cookery. Food customs and their significance. A survey of the literature of the subject. Laboratory practice, meal service and catering. Prerequisite, H.E. 116. Two 3-hour periods. Lab. fee, \$6. Three credits; winter. Dresslar, Lusby.

121. *Food: Large Quantity Cookery*.—Preparation of food in large

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quantities for cafeterias, tea rooms, dormitories, hospitals and camps. Prerequisites, H.E. 116. Laboratory practice. Two lectures, three 3-hour laboratory periods, recitation and laboratory work. Lab. fee, \$3. Five credits; spring. Lusby.

122. *Institutional Buying*.—Marketing, buying, institution food equipment and supplies. Planning menus for dormitories, hospitals, cafeterias and tearooms. Prerequisites, H.E. 5, 116, 106 or 108, 124. Three recitations. Three credits; winter. Lusby.

123. *Institutional Management*.—Problems of various types of institutions, relating to their organization and operation, relation to the state and community, employment of help. Three lectures. Prerequisites, H.E. 5, 116, 107-108, and 122. Three credits; spring. Raitt.

124, 125. *Practice Work*.—Eight hours a week in the University Commons and University dormitories followed by eight hours a week in various institutions under supervision of the instructor. One hour conference a week. Two 4-hour periods or one full day should be arranged in the schedule. Prerequisites, H.E. 116, 106 or 108, Econ. 11. Three to six credits a quarter; autumn, spring. Lusby.

127. *Non-Textiles*.—Merchandise from non-textile sources; paper, leather, rubber, fur, and metals. Raw materials, sources of supply, manufacture, methods of judging. Classification of stores' departmental stock. Three recitations. Lab. fee, \$3. Three credits; winter. Denny.

130, 131. *Clothing: Commercial Clothing Construction*.—Laboratory practice on a commercial basis. Study of trade conditions. Experience in costume shops. Prerequisites, H.E. 113, P.S.D. 9 and 169. Five 2-hour periods, recitation and laboratory work. Lab. fee, \$3. Three credits a quarter; winter and spring. Patty.

133. *Clothing: Costume Design*.—Development of fashion from ancient times to the present with emphasis upon the best art periods. Adaptation to the present mode. Prerequisites, H.E. 113, P.S.D. 169. Three 2-hour periods, two lectures. Lab. fee, \$3. Five credits; spring. Patty.

135. *Millinery*.—Design, selection, practice in construction, renovating, trade methods and materials. Prerequisites, H.E. 8 or equivalent, P.S.D. 9. Three 2-hour laboratory periods, recitation and laboratory work. Lab. fee, \$3. Three credits; spring. Patty.

143. *Home Furnishing*.—Application of structural art principles to choice and arrangement of household furnishings. Comparative costs. Prerequisite, P.S.D. 9. Two lectures and one 2-hour period, laboratory work, and Saturday excursions. Lab. fee, \$3. Three credits; autumn, winter. Denny.

144, 145. *Household Management*.—Economics of the household, personal and household accounts and budgets. Organization of the household. Scientific management. Prerequisites, Econ. 1, Soc. 1, junior standing. Two credits a quarter; winter, spring. Raitt.

148. *Practice Cottage*.—Seniors live in practice cottage in groups of three for three weeks. They are responsible for organization of the group, financial management, records, housekeeping, hospitality and meals. Two credits; autumn, winter, spring. Bliss.

183. *Food: Experimental Cookery*.—Attention is given to acquiring correct technique in scientific investigation of problems in connection with food. Prerequisite, H.E. 116. Three 2-hour periods, recitation and laboratory work. Lab. fee, \$3. Three credits; spring. Dresslar.

188. *Advanced Textiles*.—Historic art fabrics. Intensive study of a modern fabric. Methods of commercial testing. Prerequisites, H.E. 25, Econ. 1. Two 2-hour periods, recitation and laboratory work. Lab. fee, \$3. Two credits; spring. Denny.

190. *Nutrition: Nutrition of Children*.—Work centers around the University Cooperative Child Nutrition Service. Consultation with physicians and instructor, follow-up case work in homes of the children and visits to institutions for child care. Prerequisites, H.E. 105 or 107. Two hours recitation, three hours laboratory period, three hours field work. Open to graduate and advanced undergraduate students. Lab. fee, \$2. Four credits; autumn, winter, spring. Rowntree.

191. *Nutrition: Dietotherapy*.—Considerations of particular dietary needs of the sick and convalescent. Relation of certain disorders to nutrition. The function of nutrition as a curative and preventive factor in disease. Prerequisite, H.E. 107. Open to graduates and advanced undergraduates. Three lectures and recitations, one laboratory period. Visits to hospitals. Lab. fee, \$4. Four to five credits; spring. Rowntree.

Teachers' Course in Home Economics.—See Educ. 160I, 160J.

COURSES FOR GRADUATES ONLY

*200. *Special Food Problems*.—Research.

202. *Seminar*.—The present status of home economics education with special reference to the work in the State of Washington. Prerequisites, 30 credits in home economics. Credits to be arranged; autumn, winter. Raitt.

*203. *Research*.

204, 205, 206. *Research in Nutrition*.—Animal experimentation on some special problem. Open to graduate students. Prerequisites, H.E. 107-108, Chemistry and Physiology majors may take this course with consent of instructor. Hours and credits to be arranged. Lab. fee, \$2 per hour credit; autumn, winter, spring. Rowntree.

207, 208, *209. *Research in Textiles*.—Prerequisites, H.E. 25, Econ. 1. Credit to be arranged. Lab. fee, \$1 per credit hour; autumn, winter, spring. Denny.

210, 211, 212. *Research in Costume Design*.—Prerequisites, H.E. 112-113, 133. Credit to be arranged; autumn, winter, spring. Patty.

JOURNALISM

Commerce Hall

*Assistant Professor Borah, Acting Director; Associate Professor Jones; Assistant Professor Kennedy; Associate*_____.

1. *Journalism as a Profession*.—Survey of newspaper making in its various phases. For freshmen only. Lab. fee, \$1. One credit a quarter; autumn.

51. *News Writing*.—Practice in news writing; study of news sources. Required in the sophomore year of pre-journalism majors. Lab. fee, \$2. Five credits; autumn, winter, spring. Borah, _____.

61. *The Community Newspaper*.—Editorial, advertising and circulation problems peculiar to the community weekly. Required in the sophomore

*Not offered in 1926-27.

year of pre-journalism majors. Lab. fee, \$1. Three credits; spring. Jones.

90, 91, 92. *Current Events*.—Current state, national and world movements. One quarter required of majors in journalism. Lab. fee, \$1 a quarter. One credit a quarter; autumn, winter, spring. Jones, Borah.

101. *Reporting*.—Study of all types of stories covered by a reporter. Required of majors in journalism. Prerequisite, Jour. 51. Lab. fee, \$2. Five credits; autumn, winter. Borah.

104. *Newspaper Administration*.—Newspaper organization and management. Prerequisite, Jour. 51. Two credits; spring. Spencer.

*105. *The Sporting Page*.

109. *Literary and Dramatic Reviewing*.—Routine work of literary and dramatic editors. Prerequisite, Jour. 51. Two credits; winter. Borah.

115. *Elements of Publishing*.—Head styles; proof-reading; binding; engraving; press work; problems of production. Required of journalism majors. Lab. fee, \$2. Three credits; autumn. Kennedy.

120. *Copy Reading*.—Required of majors in journalism. Prerequisite, Journ. 101. Lab. fee, \$2. Five credits; winter, spring. ———, Borah.

128. *Work of the Foreign Correspondent*.—Prerequisite, Jour. 101. Lab. fee, \$1. Three credits; winter. ———.

130. *Fundamentals of Advertising*.—Lab. fee, \$2. Five credits; autumn. Jones.

131. *Display Advertising*.—Prerequisite, Jour. 130. Lab. fee, \$2. Five credits; winter. Jones.

133. *Advertising Typography*.—Type families; application of type; advertising type units; type problems. Prerequisite, Jour. 115. Lab. fee, \$2. Five credits; spring. Kennedy.

135. *Publicity*.—General publicity methods. Lab. fee, \$1. Two credits; spring. ———.

136. *Comparative Journalism*.—Prerequisite, Jour. 51. Lab. fee, \$2. Three credits; winter. Borah.

138. *History of American Journalism*.—Required of majors in journalism. Prerequisite, Jour. 51. Lab. fee, \$2. Five credits; spring. Jones.

140. *The Business Office*.—Simplified accounting for newspaper plants; business office management. Required of majors in journalism. Prerequisite, Jour. 115. Lab. fee, \$2. Five credits; winter. Kennedy.

145. *Law of the Press*.—Required of majors in journalism. Prerequisite, Jour. 51. Lab. fee, \$1. Three credits; spring. Jones.

150. *Editorial Writing*.—Required of majors in journalism. Prerequisite, Jour. 101 and 120. Five credits; autumn. Jones.

160. *Trade Journalism*.—Prerequisite, Jour. 51. Lab. fee, \$1. Five credits; winter. Jones.

170, 171, 172. *Magazine and Feature Writing*.—Practice in writing special newspaper and magazine articles; study of current magazines and newspaper supplements. Articles are graded according to their probable

*Not offered in 1926-27.

marketability. Lab. fee, \$2 a quarter. Two credits a quarter; autumn, winter, spring.

173. *The Short Story*.—Critical appreciation of the short story. Lab. fee, \$2. Three credits; autumn.

174, 175. *Short Story Writing*.—Prerequisite, Jour. 173. Lab. fee, \$2 a quarter. Three credits a quarter; winter, spring.

250. *Research in Journalism*.—Admission only by consent of the instructor. Three to five credits; autumn, winter, spring.

Teachers' Course in News Writing.—See Educ. 160K.

LAW

Commerce Hall

Professors Schweppe, Martin, Lantz, Goodner, Bissett, Ayer, Bishop; Lecturers O'Bryan, Beardsley

FIRST YEAR

All first year courses required.

100. *Agency*.—Wambaugh's Cases, 2nd Ed. Five credits spring.

Schweppe.

103-104. *Contracts*.—Corbin's Cases. Five credits per quarter; autumn and winter.

Lantz.

106-107. *Criminal Law and Procedure*.—Derby's Cases, 2nd Ed., supplemented by Washington Criminal Code and Cases. Three credits per quarter; autumn and winter.

O'Bryan.

108-109. *Pleading*.—Harker's Cases on Common Law Pleading, and Sunderland's Cases on Code Pleading, and Washington Code and Cases. Three and five credits respectively; winter and spring.

Goodner.

115. *Property I.—Personal*.—Bigelow's Cases. Three credits; autumn.

Bissett.

116. *Property II.—Real*.—Bigelow's Cases. Five credits; spring.

Bissett.

117-118. *Torts*.—Ames' and Smith's Cases, Pound's Ed. Four credits per quarter; autumn and winter.

Ayer.

SECOND YEAR

110. *Persons*.—Woodruff's Cases. Three credits; winter.

Goodner.

121. *Legal Ethics*.—Costigan's Cases. Two credits; autumn.

Goodner.

125-126. *Equity*.—Ames' Cases, autumn; Chafee's Cases, winter. Five credits per quarter; autumn and winter.

Bishop.

128. *Damages*.—Beale's Cases on Damages, supplemented by Washington cases. Three credits; spring.

O'Bryan.

129-130. *Evidence*.—Wigmore's Cases. Three credits per quarter; autumn and winter.

Schweppe.

134, 135, 136. *Legal Bibliography; Use of Law Books; and Brief-Making*.—Two credits per quarter; autumn, winter, spring. *Winter quarter required of all second-year students.*

Beardsley

137. *Negotiable Instruments*.—Huffcut's Cases. Three credits; winter. Bissett.
138. *Quasi-Contracts*.—Woodruff's Cases. Three credits; spring. Lantz.
139. *Property III*.—Aigler's Cases. Five credits; autumn. Bissett.
- 142-143. *Public Utilities*.—Beale and Wyman's Cases. Three credits per quarter; winter and spring. Bishop.
146. *Sales*.—Woodward's Cases, 2nd Ed. Five credits; spring. Ayer.
- †161. *Procedure IV*.—Procedure in civil actions in the Superior Court of Washington. Three credits; autumn. Goodner.
179. *Partnership*.—Gilmore's Cases, supplemented by Washington Cases. Three credits; spring. O'Bryan.
181. *Landlord and Tenant*.—Washington Cases. Three credits; spring. Bissett.

THIRD YEAR

133. *Insurance*.—Vance's Cases. Three credits; winter. Lantz.
- *145. *Irrigation Law*.—Case book to be selected. Three credits autumn. (To be given in 1927-28.) O'Bryan.
- *153. *Property IV*.—Kales' Cases on Future Interests. Three credits. Bissett.
156. *Bankruptcy*.—Holbrook and Aigler's Cases. Five credits; spring. Goodner.
158. *Mining Law*.—Costigan's Cases. Three credits; autumn. O'Bryan.
159. *Wills*.—Costigan's Cases. Three credits; autumn. Goodner.
- †163. *Procedure VI*.—Probate proceedings, covering administration of estates, probate of wills, appointment of guardians, etc. Four credits; winter. Goodner.
165. *Admiralty*.—Ames' Cases. Three credits; autumn. Lantz.
168. *Conflict of Laws*.—Lorenzen's Cases, 2nd Ed. Five credits; spring. Lantz.
- 170-171. *Constitutional Law*.—Hall's Cases. Three credits per quarter; autumn, winter. Schweppe.
176. *Mortgages*.—Campbell's Cases. Three credits; spring. Bishop.
183. *Suretyship*.—Ames' Cases. Three credits; spring. Bishop.
- 184-185. *International Law*.—The general principles of international law as developed by custom and agreement, and as exhibited in decisions of international tribunals and municipal courts, diplomatic papers; treaties, conventions, in legislation, in the works of authoritative writers, and in the conduct of nations. Scott's cases. (May receive Political Science credit.) Three credits a quarter; autumn, winter. Martin.
- 187-188. *Private Corporations*.—Canfield and Wormser's Cases, 2nd Ed. Three credits per quarter; autumn and winter. Ayer.

†During the second and third years, five hours of class work in the Procedure courses may, in the discretion of the instructor, be required for the prescribed credits.

*Not offered in 1926-27.

191. *Property V: Community*.—Bissett's Cases. Five credits; winter. Bissett.

193. *Trade Regulations*.—Oliphant's Cases. Three credits; spring. Lantz.

196. *Trusts*.—Costigan's Cases. Five credits; autumn. Bishop.

*197. *Administrative Law*.—Freund's Cases. Three credits; spring. Bishop.
(To be given in 1927-28.)

NOTE.—An average of 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, and payment of an additional fee of \$1 per credit hour in excess of fifteen.

LIBERAL ARTS

Denny Hall

Professor Cory

1. *Introduction to Modern Thought*.—Especially for lower division students, but open to all, and designed to help students to get their intellectual bearings. Required reading and lectures on the new theories of matter; the making of earth; the origin and nature of life; mind and behavior; utilitarian, ethical and aesthetic values. Five credits. Upper division students may obtain upper division credits on the basis of extra reading and conferences. Repeated autumn, winter and spring. Cory.

11. *Introduction to the Study of the Fine Arts*.—Lectures on the nature of beauty and its relation to usefulness, goodness, and truth by the instructor in charge. Demonstrations and discussions of the techniques and provinces of dancing, music, architecture, sculpture, painting, poetry, and drama by specialists from the faculties of Fine Arts and Liberal Arts. Five credits; repeated autumn, winter, and spring. Cory.

214, 215, 216. *Studies in Realism, Literary and Philosophical*.—An attempt to develop from current theories a constructive view. Two to eight credits a quarter; autumn, winter, spring. Cory.

LIBRARY SCIENCE

Library

Professor Henry; Associate Professor Smith; Associate Lewis; Instructors Alfonso, Putnam, Hall.

The following courses are open only to students registered in the Library School.

175. *Classification and Subject Headings*.—Decimal classification studied in detail, followed by the survey of Expansive and the Library of Congress classifications. Assignment of book numbers. Use of subject headings and classification and assignment of subject headings to specified books. Three credits; autumn. Alfonso.

176, 184. *Cataloging*.—These courses include lectures, recitations and problems in dictionary cataloging, shelf-listing and alphabetizing. Include ordering, handling and use of Library of Congress printed cards and authorities for the correct entry of books. Lectures on the adaptation of standard rules to the needs of the small library. Three credits; autumn, winter. Alfonso.

* Not offered in 1926-27.

177, 185, 193. *Reference*.—These courses give a working knowledge of important types of reference books and develop the power of research. Lectures cover books and methods. Practical problems and work with government documents. Two credits a quarter; autumn, winter, spring. Smith.

192. *Library Economy*.—Ordering, receiving, accessioning and mechanical preparation of books; elementary trade bibliography; correspondence and records. Two credits; spring. Putnam.

194. *Subject Bibliography*.—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.

186, 195. *Practice*.—Each student is expected to do 300 hours of practice or laboratory work under expert personal supervision. The practice work is given in both the University Library and the Seattle Public Library and consists of 15 hours per week for twenty weeks. Five credits a quarter; winter, spring.

178. *History of Books and Libraries*.—Lectures, readings and reports. Two credits; autumn. Henry.

187. *Library Organization and Extension*.—Legalization and organization of a general library system for city, county or state, as the unit of organization. Organization of various types of libraries with varying degrees of equipment. Two credits; winter. Henry.

179, 188, 196. *Book Selection*.—To cultivate taste and good judgment in evaluation of books through a study of the principles of book selection, annotation and book reviewing. Three credits; autumn. Two credits; winter and spring. Lewis.

197. *Library Administration and Library Literature*.—Lectures, readings and discussions on library legislation, local taxation, library budget, and all means of realizing the educational and social functions of the library. Reading and class discussion of literature of libraries and librarianship. Two credits; spring. Henry.

189. *Work with Children and Schools*.—To meet the needs of general library assistants and librarians in charge of small libraries. 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. Hall.

198. *Special Lectures by Active Librarians*.—Ten lectures, each on some vital problem of library service or administration, by persons selected because of their experience and success in dealing with the problems treated. One credit; spring.

MATHEMATICS

Philosophy Hall

Professors Moritz, Bell, Winger; Associate Professor Carpenter; Assistant Professors Gavett, Neikirk; Associates West, Cramlet, Taylor, Jerbert; Instructor Mullemeister.

The courses in mathematics are planned to meet the needs of three distinct professions: (1) The teaching of mathematics in the high schools; (2) The teaching of mathematics in colleges and universities; (3) Statistical and actuarial occupations.

Suggested courses of study leading to these professions will be found in the College of Science bulletin.

REQUIREMENTS OF THE DEPARTMENT

For a major in mathematics, 36 credits; including courses 5 and 109.

Candidates who are not majors in mathematics but wish to teach 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, spring.

2. *Solid Geometry*.—Prerequisite, one year of plane geometry. Five credits; autumn, winter.

4. *Plane Trigonometry*.—For students in the Colleges of Liberal Arts, Science, Education, Fisheries, Law, and Pharmacy. Prerequisites, one and a half years of algebra and one year of plane geometry. Five credits; autumn. Winger, Mullemeister.

5. *College Algebra*.—Prerequisite, Math. 1 or one and one-half years high school algebra. Five credits; winter. Winger, Mullemeister. Cramlet.

6. *Analytical Geometry*.—Especially for students in the College of Science. Prerequisite, Math. 1, 2, and 4. Five credits; spring. Winger, Mullemeister.

11–12. *Theory of Investments*.—Primarily for commerce students. First quarter: preliminary processes of algebra; interest and annuities; second quarter: annuities, amortization, capitalization and depreciation, sinking funds, etc. Life contingencies, applied to the computation of single and annual premiums. Prerequisite, one year algebra, one year geometry. Five credits a quarter; autumn, winter, spring.

13. *Elements of Statistical Method*.—Fundamental methods of statistical investigation and interpretation, with applications to problems in social, natural, economic and business fields. Emphasis will be given to critical examination of data, defining of statistical units, properties and appropriate uses of the more common averages and various methods and co-efficients of comparison. Application of various calculating instruments demonstrated. Prerequisite, one year algebra, one year plane geometry. Fee, \$1. Five credits; each quarter. Gavett.

51. *Trigonometry*.—Primarily for engineering, mines and architecture students. Prerequisites, one and one-half years algebra and one year plane geometry. Four credits; autumn, winter, spring.

52. *College Algebra*.—Primarily for engineering, mines and architecture students. Prerequisite, Math. 51. Four credits; autumn, winter, spring.

53. *Analytical Geometry*.—Primarily for engineering, mines and architecture students. Prerequisite, Math. 52. Four credits; each quarter.

54, 55, 56. *Mathematics for Foresters and Architects*.—Advanced numerical and graphical methods and solution of plane triangles by trigono-

metric methods. Prerequisite, one and one-half years algebra, one year plane geometry. Three credits a quarter; autumn, winter, spring.

West, Neikirk, Cramlet.

61, 62, 63. *Calculus*.—Primarily for students in the Colleges of Engineering and Mines. Prerequisites, Math. 2 and 53. Three credits a quarter; autumn, winter, spring.

ADVANCED UNDERGRADUATES AND GRADUATES

101. *Spherical Trigonometry*.—Prerequisite, Math. 2 and 4. Two credits; autumn. Moritz.

102, 103. *Solid Analytical Geometry*.—Prerequisite, Math. 108 or 63. Two credits a quarter; winter, spring. Moritz.

107, 108, 109. *Calculus*.—Elements of differential and integral calculus, primarily for students in the College of Science. Prerequisite, Math. 6. Five credits a quarter; autumn, winter, spring. Moritz.

114, 115. *Ordinary and Partial Differential Equations*.—With applications to problems in physics, chemistry, astronomy and engineering. Prerequisite, Math. 109 or 63. Three credits a quarter; autumn, winter. Carpenter.

117, 118, 119. *Projective Geometry*.—Classical theory through Pascal and Brianchon. Selected topics in involution, binary forms, algebraic invariants, the conic as a rational curve and a ternary form. To meet needs of teachers and professional mathematicians. Prerequisite, calculus, unless it is taken concurrently. Two credits a quarter; autumn, winter, spring. Winger.

*151. *Mathematical Theory of Finance*.

*152. *Mortality Tables*

*153. *Insurance*.—Premiums and Reserves.

*161, 162, 163. *Analytical Mechanics*.

164, 165, 166. *Mathematic Physics*.—For students of science, aiming to give the student sufficient mathematics to enable him to read the easier scientific papers in the current literature. It presupposes a thorough grasp of elementary physics and mathematics through the calculus. Differential equations should be taken before or concurrently. Three credits a quarter; autumn, winter, spring. Neikirk.

Teachers' Course in Mathematics.—See Educ. 160M.

COURSES FOR GRADUATES ONLY

*201, 202, 203. *Differential Geometry*.

204, 205, 206. *Modern Algebra*.—Three credits; autumn, winter, spring. Moritz.

*207-208-209. *Theory of Relativity*.

*211, 212, 213. *Foundations of Mathematics*.

*214, 215, 216. *Modern Analysis*.

*217, 218, 219. *Elliptic and Theta Functions*.

*221, 222, 223. *Higher Plane Curves*.

* Not offered in 1926-27.

*224, 225, 226. *Real Variables.*

*227, 228, 229. *Theory of Numbers.*

*231, 232, 233. *Theory of Infinite Processes.*

235, 236, 237. *Metric Differential Geometry.*—Two credits; autumn, winter, spring. Bell.

*251, 252, 253. *Mathematical Journal and Research Club.*

MECHANICAL ENGINEERING

Engineering Hall

Professors Eastwood, Wilson; Associate Professor Winslow; Assistant Professors McIntyre, McMinn, Edmonds

70. *Elements of Gas Engines.*—Arranged for the short course students in fisheries and others. Two credits; winter. Wilson.

81. *Mechanism.*—Operation of machines involving the transmission of forces and the production of determinate motions. Prerequisite, G.E. 13, Math. 52. Three credits; autumn, winter, spring.

McIntyre, McMinn, Edmonds, Winslow.

82. *Steam Engineering.*—Various steam apparatus used in modern steam plants; construction, use, and reason for installation. Not open to freshmen. Prerequisite, drawing. Three credits; autumn, winter, or spring. Eastwood, McMinn, Edmonds, Winslow.

83. *Steam Engineering Laboratory.*—Calibrations of thermometer, gages and indicator springs; tests of the simple steam engine; one complete engine and boiler test with report. Preceded or accompanied by M.E. 82. Lab. fee, \$2. Three credits; autumn, winter, spring. Wilson, McIntyre.

91, 92, 93. *Machine Design.*—Design of machine details. Prerequisite, G.E. 13. Two credits a quarter; autumn, winter, spring.

McIntyre, Edmonds, McMinn, Winslow.

101, 102. *Machine Design.*—Advanced problems in machine design. Prerequisite, M.E. 93, C.E. 132. Two credits a quarter; autumn and winter.

Winslow.

103. *Steam Engine Design.*—Computations and drawings for the design of a steam engine. Prerequisite, M.E. 124, C.E. 132. Three credits; spring.

Winslow.

107. *Heating and Ventilation.*—An abridged course for students in the department of architecture. Prerequisite, junior standing. Two credits; spring.

Eastwood.

123, 124. *Engines and Boilers.*—Generation and use of steam in various types of boilers and engines. Prerequisite, M.E. 83, 93, also preceded or accompanied by C.E. 131. Three credits a quarter; autumn, winter. Winslow.

140. *Time Study and Job Analysis.*—Job standardizing in modern industry. Personnel requirements and training. Analyzing job. Computing, checking, summarizing, explaining, applying, and perpetuating standards. Five credits; spring.

McIntyre.

151, 152, 153. *Experimental Engineering.*—Continuation of M.E. 83, involving more extended and complete investigations. Prerequisite, M.E. 83. Lab. fee, \$2. Three credits a quarter; autumn, winter, spring.

Wilson.

* Not offered in 1926-27.

167. *Engineering Materials*.—Properties of various materials used in engineering construction, including iron, steel, reinforced concrete and timber. Recitation and laboratory. Prerequisite, C.E. 132. Junior mechanical and electrical engineers. Lab. fee, \$2. Three credits; autumn, winter and spring. Winslow, McMinn.

179. *Steam Turbines*.—Theory, construction and design of steam turbines. Prerequisite, M.E. 82. Three credits; spring. Eastwood.

182. *Heating and Ventilation*.—Various systems of heating and ventilating methods, designs and tests. Prerequisite, M.E. 82. Three credits; autumn, winter. Eastwood.

183. *Thermodynamics and Refrigeration*.—Fundamental principles underlying the transformation of heat into work, with special application to engineering. Prerequisite, M.E. 82. Five credits; autumn. Eastwood.

184. *Power Plants*.—Design of steam power plants, involving their location, buildings, prime movers, and power transmission. Prerequisite, M.E. 123, 83. Three credits; spring. Winslow.

185, **186, **187. *Naval Architecture*.—Theory of naval architecture, as pertains to displacement, stability and strength, and the usual calculations involved in construction. Not open to freshmen. Three credits a quarter; spring, autumn, winter. Eastwood.

**188, **189. *Ship Design*.—Application of the principles of naval architecture to the design of a ship for a definite purpose. Prerequisite, M.E. 186. Two credits a quarter; autumn and winter. Eastwood.

**190. *Marine Engineering*.—Power plant equipment of ships, including boilers, engines, auxiliaries and propellers. Prerequisite, M.E. 82, 185. Three credits; spring. Eastwood.

191-192-193. *Research*.—Two to five credits. Eastwood.

194. *Seminar*.—Two credits; winter. Eastwood.

195. *Thesis*.—Investigation, design or experiment under direction of the professor in charge. Two to five credits; senior year. Eastwood.

198. *Gas Engineering*.—Development of gas engineering; stationary, marine, automobile and airplane motors, and gas producer plants. Prerequisite, M.E. 82. Three credits; autumn, winter, spring. 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.

COURSES FOR GRADUATES ONLY

211-212-213. *Research*.—Autumn, winter, spring. Three credits a quarter. Eastwood.

**Will be offered if a sufficient number of students elect the course.

METALLURGY

Mines Laboratory

See Mining, Metallurgy and Ceramics.

MILITARY SCIENCE AND TACTICS

Colonel Brady, Major Greene, Major Muhlenberg, Major Schrader, Major Gregory, Captain Underwood, Captain Adair, Captain Meredith, Lieut. Williams, Lieut. Hildebrand, Warrant Officer White, Warrant Officer Franke, Quartermaster Sergeant Wunderlich, Staff Sergeant Lang, Sergeants Compton, Bailey, Beckett, Hansen, Privates First Class Freeman, Honeas.

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 residence. The present requirement is five hours per week.

The instruction of these two years, together with that provided for the third and fourth years, constitute the courses prescribed by the war department for institutional units of the Reserve Officers' Training Corps. Three of these units have been established in this University, infantry, coast artillery and air service, each leading to commissions as reserve officers in the appropriate corps. The advanced courses, those of the third and fourth years, are open to all students who have completed the first two years—basic course—of instruction and training.

All assignments for instruction and training will be made at the time of registration with the military department.

For those students who desire to major in military science, a four-year curriculum has been arranged. (See curricula of the College of Science bulletin.)

FIRST YEAR

1-2-3. Basic Infantry, Air Service.—Marksmanship, military courtesy, military hygiene and first aid, physical drill, and command and leadership. Five hours a week. One and two-thirds credits a quarter; autumn, winter, spring.

4-5-6. Basic Coast Artillery.—Military policy, U.S.; military courtesy and discipline; artillery drill, infantry drill, physical training, ceremonies and gunnery instruction. Five hours a week. One and two-thirds credits a quarter; autumn, winter, spring.

11-12-13. Band.—Five hours a week. One and two-thirds credits a quarter; autumn, winter, spring.

SECOND YEAR

51-52-53. Basic Infantry.—Scouting and patrolling, musketry, interior guard duty, automatic rifle, physical drill, and command and leadership. Five hours a week. One and two-thirds credits a quarter; autumn, winter, spring.

61-62-63. Basic Coast Artillery.—Military policy, U.S.; military courtesy and discipline; gunnery instruction to include fire control and position finding; artillery materiel and leadership. Five hours a week. One and two-thirds credits a quarter; autumn, winter, spring.

71-72-73. Basic Air Service.—General air service subjects, air service

weapons, communications, field engineering and leadership. Five hours a week. One and two-thirds credits a quarter; autumn, winter, spring.

81-82-83. *Band.*—Five hours a week. One and two-thirds credits a quarter; autumn, winter, spring.

THIRD YEAR

101. *Advanced Infantry.*—Military field engineering, military law, rules of land warfare, and command and leadership. One and two-thirds credits; autumn.

102. *Advanced Infantry.*—Machine guns, and command and leadership. One and two-thirds credits; winter.

103. *Advanced Infantry.*—Machine guns, military sketching, and command and leadership. One and two-thirds credits; spring.

104. *Advanced Infantry.*—Military field engineering; combat principles of the defense, elements of military field engineering with a study of trenches, obstacles, shelters, etc. Military law and rules of land warfare: military jurisdiction, courts-martial, witnesses and depositions, evidence, procedure, records of trial, articles of war, charges and specifications. Command and leadership. Primarily for students majoring in military science. Three credits; autumn.

105. *Advanced Infantry.*—Machine guns: technique of fire, direct and indirect laying, machine gun characteristics, organization, elementary and advanced drill, machine gun in attack and defense, exercises with weapons and instruments, range and target exercises. Command and leadership. Primarily for students majoring in military science. Three credits; winter.

106. *Advanced Infantry.*—Machine guns: continuation of Mil. Sci. 105. Military sketching: classification of military sketches, scales, instruments, conventional signs, lettering and titles, contours, equipment, traversing elevations, practical work in making route and area sketches. Command and leadership. Primarily for students majoring in military science. Three credits; spring.

111. *Advanced Coast Artillery.*—Orientation and leadership. One and two-thirds credits; autumn.

112. *Advanced Coast Artillery.*—Gunnery and leadership. One and two-thirds credits; winter.

113. *Advanced Coast Artillery.*—Gunnery and leadership. One and two-thirds credits; spring.

114. *Advanced Coast Artillery.*—Orientation. Reconnaissance of battery positions. Determination of coordinates and orienting lines. Meridian determinations. Transit and calculations. Leadership. Primarily for students majoring in military science. Three credits; autumn.

115. *Advanced Coast Artillery.*—Gunnery. Study of trajectory and effects of velocity, air density, temperature, altitude, problems in computation of firing data for 8" howitzer, 155 G.P.F. and seacoast artillery. Leadership. Primarily for students majoring in military science. Three credits; winter.

116. *Advanced Coast Artillery.*—Gunnery. Observation of fire. Methods of fire adjustment for fixed and mobile heavy artillery. Problems in fire adjustment. Conduct of actual heavy artillery fire, 155 G.P.F. and 3-inch

fixed seacoast guns at Ft. Casey. Primarily for students majoring in military science. Three credits; spring.

121. *Advanced Air Service*.—Communications, liaison, aeronautical engines and leadership. One and two-thirds credits; autumn.

122. *Advanced Air Service*.—Communications, liaison, aeronautical engines and leadership. One and two-thirds credits; winter.

123. *Advanced Air Service*.—Aerial photography, minor tactics, aeronautical engines, administration and leadership. One and two-thirds credits; spring.

124. *Advanced Air Service*.—Communications: Radio telegraphy and telephony; operation of instruments and ground panels; use of Very pistols, flares, and reflectors in liaison. Aeronautical engines; theoretical instruction on the Liberty 12 aircraft engine, including ignition and carburetion. Leadership. Primarily for students majoring in military science. Three credits; autumn.

125. *Advanced Air Service*.—Communications: Radio telegraphy and telephony. Liaison with artillery, work of the Observation Squadron and Observer, reconnaissance, adjustment of fire, work with the infantry and cavalry. Theoretical instruction on rotary and radial engines, the Le Rhone engine. Leadership. Primarily for students majoring in military science. Three credits; winter.

126. *Advanced Air Service*.—Aerial photography, aerial photographs, and their interpretation, types of cameras used and instruction in their care and operation. A brief study in minor tactics. Practical instruction on the Liberty 12 aircraft engine. General administration. Leadership. Primarily for students majoring in military science. Three credits; spring.

FOURTH YEAR

151. *Advanced Infantry*.—Administration. Infantry weapons (37 mm. gun and 3-inch trench mortar). Command and leadership. One and two-thirds credits; autumn.

152. *Advanced Infantry*.—Military history, National Defense Act, combat principles. Command and leadership. One and two-thirds credits; winter.

153. *Advanced Infantry*.—Combat principles. Command and leadership. One and two-thirds credits; spring.

154. *Advanced Infantry*.—Administration: lectures on practical administration of a company including interior economy and management, preparation of rosters, reports, correspondence and orders. Infantry weapons: 37 mm. gun and 3-inch trench mortar, including nomenclature, use, care and repair, mechanics of weapons, practical exercises with weapons and instruments, range and target exercises, organization, communication, transportation, and combat principles of the offense and defense, special operations. Command and leadership. Primarily for students majoring in military science. Three credits; autumn.

155. *Advanced Infantry*.—Military history and National Defense Act: military resources and military strength of the United States, the state of national defense for war at critical periods, the cost of American wars, the traditional policy of the United States. Combat principles: combat principles of the squad, section, platoon, and company in attack, night operations, security on the march and at rest. Estimates of the situation, orders, mes-

sages and problems. Command and leadership. Primarily for students majoring in military science. Three credits; winter.

156. *Advanced Infantry*.—Combat principles. Continuation of Mil. Sci. 155. Command and leadership. Primarily for students majoring in military science. Three credits; spring.

157. *Military Thesis on Infantry*.—Five credits; autumn, winter, spring.

161. *Advanced Coast Artillery*.—Military law, artillery materiel, and leadership. One and two-thirds credits; autumn.

162. *Advanced Coast Artillery*.—Tactical employment of heavy artillery. Administration, field engineering and leadership. One and two-thirds credits; winter.

163. *Advanced Coast Artillery*.—Motor mechanics and leadership. One and two-thirds credits; spring.

164. *Advanced Coast Artillery*.—Military law and procedure of courts-martial. Railway, heavy tractor, anti-aircraft and trench artillery—their development and mission. Leadership. Primarily for students majoring in military science. Three credits; autumn.

165. *Advanced Coast Artillery*.—Tactical employment of heavy artillery, selection of positions, role of artillery in action. Field engineering for artillery, uses, necessity and construction methods. Lectures on company administration. Preparation of standard routine papers pertaining to command of a battery of artillery. Leadership. Primarily for students majoring in military science. Three credits; winter.

166. *Advanced Coast Artillery*.—Motor mechanics for heavy duty trucks, tractors and self-propelled heavy artillery. Principles of internal combustion engine and accessories in artillery use. Leadership. Primarily for students majoring in military science. Three credits; spring.

167. *Military Thesis on Coast Artillery*.—Five credits; autumn, winter, spring.

171. *Advanced Air Service*.—Aerial gunnery, navigation, aeronautical engines, airplanes, rigging, and leadership. One and two-thirds credits; autumn.

172. *Advanced Air Service*.—Bombardment equipment, aeronautical engines, airplanes, rigging, and leadership. One and two-thirds credits; winter.

173. *Advanced Air Service*.—Airplanes, air service organization, aeronautical engines and leadership. One and two-thirds credits; spring.

174. *Advanced Air Service*.—Aerial gunnery; use of the weapon in the air; use of the camera gun. Theoretical instruction in navigation, meteorology and its relation to aerial navigation. Aeronautical engines; theoretical instruction on the Hispano Suiza engines. Leadership. Primarily for students majoring in military science. Three credits; autumn.

175. *Advanced Air Service*.—Theoretical and practical study of bombardment equipment. Aeronautical engines; practical work on the Liberty 12 aircraft engine, study of fusillade, wing surfaces, tail surfaces, control surfaces, struts, cones, and general equipment, preliminary instruction in rigging. Leadership. Primarily for students majoring in military science. Three credits; winter.

176. *Advanced Air Service*.—Airplanes: practical work on dismantling and assembling of airplanes, a study of the organization table of the Air

Service. Aeronautical engines: practical instruction on the Hispano Suiza 8. Leadership. Primarily for students majoring in military science. Three credits; spring.

177. *Military Thesis on Air Service*.—Five credits; autumn, winter, spring.

MINING, METALLURGY AND CERAMICS

Mines Laboratory

Professors Roberts, Daniels; Associate Professor Wilson; Assistant Professor Corey; Lecturers Glenn, Powell; Assistants Schoning, Koivula, Coplen, Gernets.

NOTE—Mining, metallurgical, geological, or ceramic experience. Each student is required to spend at least one summer vacation, or its equivalent, in practical contact with the industry, and to submit upon his return to college a detailed report of his observations. Work of this nature offers an opportunity to secure data and material for the graduation thesis.

51. *Elements of Mining*.—The field of mining, considering prospecting, boring, drilling, explosives, rock breaking, timbering, methods of development and working, transportation and drainage. Prerequisite, sophomore standing. Three recitations. Three credits; autumn. Daniels.

52. *Elements of Mining*.—Continuation of Min. 51, giving consideration to machinery and methods of working metal, coal, and placer mines, quarries, and clay deposits. Prerequisite, Min. 51. Two recitations, and one laboratory period. Three credits; winter. Daniels.

101. *Milling*.—Preliminary course, designed to familiarize all students in the college 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. Lab. fee, \$5. Three credits; autumn. Roberts.

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. A government certificate is given on completion of the course. Required of all students in the College of Mines. One credit; winter. Daniels.

106. *Mining Excursion*.—A five days' trip, taken in the spring of the junior year to a neighboring mining region; detailed examinations of mining and metallurgical industries. Expense is approximately \$25. One credit; spring. Roberts, Daniels.

107. *Mining Excursion*.—A five days' trip, taken in the spring of the senior year, similar to Min. 106. One credit; spring. Roberts, Daniels.

122. *Coal Mining Methods*.—Prospecting and development. Detailed study is made of a nearby mine. Prerequisite, Min. 51. Three recitations. Three credits; winter. Daniels.

151. *Mining Engineering*.—Lectures on exploration, mine development, power generation, air compression, hoisting and transportation. Practice with air compressors, machine drills, and mine equipment in laboratories and local plants. Prerequisite, senior standing. Two recitations, one laboratory period. Lab. fee, \$5. Three credits; autumn. Roberts.

152. *Ore Dressing*.—Certain branches of ore dressing, mill tests of ores checked by assays. Prerequisite, senior standing. Three recitations and two laboratory periods. Lab. fee, \$10. Five credits, spring. Roberts, Daniels.

162. *Cost of Mining*.—Mining methods and costs. Prerequisite, senior mining standing. Three recitations and one laboratory period. Four credits; winter. Roberts.

*163. *Mine Operation*.

170. *Coal Mining Machinery*.—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.

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. Lab. fee, \$10. 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*.—Organization and administration of engineering plants, the keeping and interpretation of cost accounts, the efficiency of labor and methods, the financial, legal and social aspects of engineering operation. Prerequisite, senior standing. Three recitations. Three credits; spring. Daniels.

191, 192, 193, 194. *Thesis*.—Preparation of a graduation thesis in mining, metallurgy or ceramics. A fee of \$5 a quarter is required to cover cost of materials. Completed thesis must be submitted at least one month before graduation. Prerequisite, senior standing. Total five credits allowed for thesis. Hours and credits to be arranged; autumn, winter, spring, summer. Roberts, Daniels, Corey, Wilson.

COURSES FOR GRADUATES ONLY

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, graduate standing. One credit; autumn, winter, spring. Staff.

211, 212, 213, 214. *Graduate Thesis*.—Preparation of a thesis in mining, metallurgy, or ceramics. Prerequisite, graduate standing. A fee will be required if the work involves the use of laboratory materials or equipment. Hours and credits to be arranged. Total nine credits allowed for thesis. Autumn, winter, spring, summer. Roberts, Daniels, Corey, Wilson.

221, 222, 223. *Graduate Metal Mining*.—Studies in metal mining or in ore dressing. Prerequisite, graduate standing. Hours and credits to be arranged. Roberts.

251, 252, 253. *Graduate Coal Mining*.—Studies in coal mining or in the preparation or uses of coal. Prerequisite, graduate standing. Hours and credits to be arranged. Daniels.

* Not offered in 1926-27.

II. MINING AND METALLURGICAL RESEARCH

The Technical Staff of the United States Bureau of Mines Northwest Experiment Station in Co-operation with the Instructors in the College of Mines.

Class work is directed by members of the instructional staff of the University. Research work is under joint direction of the United States Bureau of Mines and the College of Mines. 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. Clay washing and utilization.

III. METALLURGY

101. *Fire Assaying*.—Testing of reagents, crushing, sampling and assaying of ores, furnace and mill products. Prerequisite, Chem. 111. One recitation and three laboratory periods. Lab. fee, \$20. Five credits; autumn. Corey.

102. *General Metallurgy*.—Properties of metals and alloys, fuels, refractory materials; furnaces; the extraction of the common metals from their ores. Visits to smelters. Prerequisite, junior standing. Three recitations and two laboratory periods. Lab. fee, \$10. Five credits; spring. Corey.

103. *Metallurgical Fuels*.—Analysis of fuels and consideration of the most effective utilization of the country's present supplies. Prerequisite, junior standing. Three recitations and one laboratory period. Lab. fee, \$5. Four credits; winter. Daniels.

104. *Non-ferrous Metallurgy*.—Metallurgy of copper, lead, gold and silver, especially the methods of roasting, smelting, lixiviation and refining. Prerequisite, Met. 102. Five recitations. Five credits; autumn. Corey.

153. *Wet Assaying*.—Technical methods for the determination of copper, lead, zinc, etc., in ores and furnace products. For students in ceramics, analysis of clays and ceramic products. Prerequisite, Met. 102, Chem. 111. One recitation and two laboratory periods. Lab. fee, \$12. Three credits; winter. Corey.

155. *Iron and Steel*.—Metallurgy and manufacture of commercial iron and steel; especial reference to their properties and uses in engineering work. Prerequisite, junior standing. Three recitations. Three credits; autumn. Daniels.

160. *Metallurgical Analysis*.—Technical methods of analysis of slags and industrial products. Prerequisite, Met. 153. Two laboratory periods. Lab. fee, \$12. Two credits; spring. Corey.

✓ 162. *Metallography*.—Constitution and microstructure of metals and alloys, especially iron and steel. Prerequisite, senior standing. Two recitations. Two credits; autumn. Corey.

✓ 163. *Metallography*.—Preparation and study of metal sections, photomicrography and the use of the microscope in testing industrial alloys. One recitation and two laboratory periods. Lab. fee, \$5. Three credits; winter. Corey.

165. *Metallurgy Calculations*.—Physical chemistry of the metallurgist, slag calculations, etc., illustrated by figures quoted from the present practice

at a number of smelting plants. Prerequisite, senior standing. Three recitations. Three credits; winter. Corey.

166. *Electrometallurgy*.—Study of methods and practice with special consideration of the possibilities of electrometallurgical industries in the Pacific Northwest. Prerequisite, senior or graduate standing. Three credits; spring. Corey.

221, 222, 223. *Graduate Metallurgy*.—Studies in metallurgy. Prerequisite, graduate standing. Hours and credits to be arranged. Corey.

IV. 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 standing in engineering or mining. Three lectures or recitations. Three credits; spring. Wilson.

100. *Ceramic Products*.—Principles governing the shaping of structural, refractory and fine ceramic wares. Prerequisite, Cer. 90. Three lectures. Three credits; autumn. Wilson.

101. *Drying and Burning*.—Principles of drying and burning; the operation and control of commercial dryers and kilns. Prerequisite, Cer. 100. Three lectures and recitations. Three credits; winter. Wilson.

102. *Ceramic Decorations*.—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, Cer. 101. Three lectures and recitations. Three credits; spring. Wilson.

104, 105.—*Ceramic Calculations*.—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, Cer. 90. Three recitations. Three credits; autumn and winter. Wilson.

110. *Ceramic Physical-Chemical Measurements*.—Testing of clays and other ceramic materials. Determination of fineness of grain, shrinkage, porosity and specific gravity; plasticity, bonding power, vitrification and fusion, chemical purification and action of colloids. Prerequisite, Cer. 105. Lab. fee, \$5 a quarter. Two laboratory periods. Two credits; spring. Wilson.

121, 122, 123. *Ceramic Products Laboratory*.—Laboratory production of structural wares, stoneware, yellow ware, porcelain and refractories. Blending, molding, drying, firing and glazing. Prerequisite, Cer. 101. Lab. fee, \$10 a quarter. Three laboratory periods and two recitations. Five credits a quarter; autumn, winter, spring. Wilson.

*125, 126, 127. *Ceramic Plant Design*.

**131, 132, 133. *General Ceramics*.—Occurrence, winning and preparation of materials used in ceramics. Process used in preparation of raw materials, shaping, drying and firing of ceramic products. One recitation and ~~two~~ laboratory periods. Lab. fee, \$5. Three credits; autumn, winter and spring.

**140. *Pottery*.—Occurrence, winning and preparation of materials used in pottery manufacture. Processes used in moulding, drying, firing, glazing,

— **Will be given if a sufficient number of students elect the course.

*Not offered in 1926-27.

and decorating of pottery. Two lectures and recitations. Two credits; autumn. Wilson.

****150. Lime, Plasters and Cements.**—Raw materials, manufacture and testing of lime, calcined gypsum, sand-lime brick, and Portland cement. Prerequisite, Chem. 3. Three lectures and recitations. Three credits; winter. Wilson.

****160. Glass Technology.**—Theory and factory practice of glass manufacture. Prerequisite, Cer. 105. Two lectures and recitations. Two credits; autumn. Wilson.

****170. Metal Enamels.**—Theory and practice of metal enameling. Prerequisite, Cer. 105. Two lectures and recitations. Two credits; autumn. Wilson.

180. Refractories.—Origin, occurrence and physical properties of fire-clays and other refractory materials. The manufacturing problems of fire-clay, silica, magnesia, chromite brick, electric furnace products and special refractories. Prerequisite, junior standing. Two recitations and one laboratory period. Lab. fee, \$5. Three credits; winter.

221, 222, 223. Graduate Ceramics.—Studies of the ceramic resources of the Pacific Northwest, or in the manufacture of clay products. Prerequisite, graduate standing. Hours and credits to be arranged. Wilson.

Music

Music Building

Professor Glen; Associate Professors Rosen, Venino, Wood; Assistant Professors Dickey, Van Ogle, Lawrence; Associates Bogardus, L. Venino, Lynch, Mabon; Instructors Adams, Kirchner, Neilson; Assistants Oliver, Canfield, MacDonald.

It will be noted that the courses in music are not hyphenated, but students who have not taken the first quarter's work in courses that continue longer than one quarter, may enter courses subsequent to the first quarter only with the consent of the instructor in charge.

6. Music History.—Progress of musical development from the primitive period to the modern. Five credits; autumn, winter, spring. Van Ogle.

9. Sight Singing.—For beginners. Five credits; autumn, winter, spring. Dickey, Neilson.

†10, 11, 12. Choral Study.—The University chorus provides 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. Fee, \$1 for 10, 11. One credit a quarter; autumn, winter, spring. These courses may carry upper division credit in cases where the student has previously been enrolled in music courses for at least two years. Lawrence.

13. Music Appreciation.—To aid music students and 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. Five credits; autumn, winter, spring. Van Ogle.

16. Ear Training and Melody Writing.—Principles of melodic invention and training in hearing accurately; study in notation. Five credits; autumn, winter, spring. Dickey, Neilson.

****Will be given if a sufficient number of students elect the course.**

†Only those who have successfully completed the work in course 11 will be eligible for registration in course 12.

- 18, 19, 20. *Applied Music*.—(Freshman).
 68, 69, 70. *Applied Music*.—(Sophomore).
 118, 119, 120. *Applied Music*.—(Junior).
 168, 169, 170. *Applied Music*.—(Senior).

Students in other colleges and schools of the University may earn one or two credits a quarter in the applied music courses. Students of the College of Fine Arts carry a larger number of credits—one and one-half to three—as indicated in the set courses. Students enrolled in these courses will be given opportunity, on demonstration of the required ability, to participate in public recitals of the department.

Unless excused by reason of advanced standing on entrance, students who major in courses in applied music will require two lessons a week, ordinarily, to cover the work necessary for a degree. One to three credits a quarter.

- (a) *Piano*.—Venino, Van Ogle, Mrs. A. F. Venino, MacDonald.
- (b) *Violin*.—Rosen, Oliver.
- (c) *Voice*.—Glen, Mabon, Bogardus, Lawrence.
- (d) *Violoncello*.—Kirchner, Canfield.
- (e) *Organ*.—Lynch, Wood.
- (f) *Band and Orchestra Instruments*.—Adams.

25, 26, 27. *Choral Study*.—For freshmen. Part songs for men's voices. Candidates admitted only upon examination. Two credits a quarter; autumn, winter, spring. Lawrence.

28, 29, 30. *Choral Study*.—Part songs for women's voices. Only advanced students will be admitted. Two credits a quarter; autumn, winter, spring. Glen.

31, 32, 33. *University Orchestra*.—The orchestra affords qualified students opportunity for study of the better grades of orchestral composition. No one is eligible to enter the course unless the director is satisfied of the ability of the applicant. One credit a quarter; autumn, winter, spring. Glen.

34, 35, 36. *Voice Training*.—*Applied Music*.—Principles of correct breathing and tone production essential to good singing. Two credits a quarter; autumn, winter, spring. Bogardus.

51. *Elementary Harmony*.—The harmonic series, intervals, and chord structure. Use of primary harmonies and bytones. Analysis and keyboard practice. Prerequisite, some knowledge of the piano, Mus. 9 and 16. Five credits; autumn, winter, spring. Wood, Neilson, Bullock.

53. *Intermediate Harmony*.—Secondary harmonies. Prerequisite, Mus. 51. Five credits; autumn, winter, spring. Wood, Neilson.

56. *School Music*.—For supervisors. Prerequisite, Mus. 9, 16. Five credits; winter, spring. Dickey, Neilson.

*57, 58, 59. *Advanced Sight Singing*.

61, 62, 63. *Advanced Ear Training*.—Dictation and keyboard practice supplementary to harmony courses. Prerequisite, Mus. 16. Two credits a quarter; autumn, winter, spring. Bullock.

*Not offered in 1926-27.

65, 66, 67. *Choral Study*.—Not open to freshmen. Part songs for men's voices. Candidates admitted only upon examination. Two credits a quarter; autumn, winter, spring. Lawrence

84, 85, 86. *Advanced Voice Training*.—Two credits a quarter; autumn, winter, spring. Bogardus.

101. *Advanced Harmony*.—Chromatic harmonies and modulation. Prerequisite, Mus. 53. Five credits; autumn, winter, spring. Wood, Bullock.

104, 105, 106. *Advanced Music History*.—Important periods and composers of modern music. Two credits a quarter; autumn, winter, spring. Van Ogle.

109. *Counterpoint*.—Regulation of two or more concurrent melodies. Prerequisite, Music. 53. Five credits; autumn, winter. Wood, Bullock.

112. *Music Form*.—Analysis of many examples and simple exercises in composition. Prerequisite, Mus. 53. Five credits; autumn, spring. Wood.

113, 114. *Music Education*.—Psychological and pedagogical principles and their application to the teaching of music. Prerequisite, Mus. 56. Two credits a quarter; autumn, winter. Dickey.

117. *Composition*.—Original work and arrangements for the more usual combinations of voices or instruments. Prerequisite, Mus. 101. Five credits; winter, spring. Wood.

124, 125, 126. *Chamber Music*.—Advanced study of musical literature for stringed trios, quartets and quintets. One credit a quarter; autumn, winter, spring. Rosen.

127, 128, 129. *Advanced Sight Singing*.—Study of "Messiah", "Tannhauser," and modern choruses. For students with experience in sight singing. Two credits a quarter; autumn, winter, spring. Dickey.

130, 131, 132. *University Band (advanced)*.—Continuation of the work of the freshman and sophomore years in the study and production of more difficult compositions for band. One credit a quarter; autumn, winter, spring. Adams.

140, 141, 142. *Orchestral Instruments*.—Especially for public school majors. Two credits a quarter; autumn, winter, spring. (May be counted as applied music.) Adams.

151, 152, 153. *Advanced Music Appreciation*.—Appreciative study of some modern composers and schools. Two credits a quarter; autumn, winter, spring. Van Ogle.

154, 155, 156. *Music Supervision*.—For seniors and students of experience. High school, normal school and institute music. Prerequisite, Mus. 113, 114, and Educ. 160N. Two credits a quarter; autumn, winter, spring. Dickey.

*157. *Free Composition*.

*163. *Polyphonic Forms*.

165, 166. *Piano Teaching Methods*.—Teaching methods and a survey of teaching material, with supervised practice in teaching of piano. Prerequisite, five hours in education. Two credits a quarter; autumn, winter.

*173. *Orchestration*.

*Not offered in 1926-27.

*177. *Composition.*

*197. *Advanced Composition.*

199. *Senior Recital.*—Two credits; winter or spring.

Teachers' Courses in 'School Music and Piano Playing.—See Educ 160N and 160X.

COLLEGE COURSES IN APPLIED MUSIC

The courses outlined are not arbitrary. They indicate the amount and character of the work the student is expected to cover for his musical degree. Credit will be given for equivalent courses pursued elsewhere prior to entering the University.

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 of Bach; sonatas, pieces including at least one concerto, taken from the classic, romantic or modern composers. At least one recital program must be played from memory from the repertoire studied.

VOCAL MUSIC

The course in vocal music is even more flexible than 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 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 1; simple Italian and English songs.

Sophomore.—Progressive tone work; Bordoni, 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 and II, Rosen; Exercises, Op. 45, Book I. Wohlfahrt; Book I, De Beriot, Exercises Op. 68.

Sophomore.—Scales, Hrimaly; Studies, Blumenstengal Op. 33, Mazas, Books I and II; Concerto, Accoly, Scene de Ballet, De Beriot.

*Not offered in 1926-27.

Junior.—Scales; Exercises, Books I and II, Schraedieck; Etudes, Kreutzer, Fiorillo Rode, Rovelli; Concerto, 9 and 7, De Beriot; one sonata by Handel.

Senior.—Scales, Rosen; Etudes, Dancla; Op. 7., Gavini; Op. 35, Dont; Sonata for violin alone, Bach; Concerto, Bruch, Mendelssohn, D-Minor, Wieniaski and No. 4 Vieuxtemps.

In the last quarter the student is obliged to memorize one sonata by Bach for violin alone and one of the concertos given in the fourth year.

FEEES

Since most of the work in the courses in applied music must necessarily be of the character of individual instruction, the student is 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 a week. More than one lesson a week will be charged for at the same rate. All lessons are one-half hour in length.

Chorus.—Music 10 and 11, \$1.00.

Piano.—Mr. Venino, \$22 a quarter; Mrs. Van Ogle, \$22 a quarter; Mrs. Venino, \$22 a quarter; Miss MacDonald, \$15 a quarter.

Vocal Music.—Miss Mabon, \$22 a quarter; Mrs. Bogardus, \$22 a quarter; Mr. Lawrence, \$22 a quarter.

Dean Glen will give individual instruction in singing and repertoire to a maximum number of ten students. The fee will be at the rate of \$27 a quarter for one lesson weekly.

Violin.—Mr. Rosen, \$22 a quarter; Mrs. Oliver, \$15 a quarter.

Organ.—Mrs. Lynch, \$22 a quarter; Mr. Wood, \$22 a quarter.

Violoncello.—Mr. Kirchner, \$22 a quarter; Miss Canfield, \$15 a quarter.

Band and Orchestra Instruments.—Mr. Adams, \$15 a quarter.

Arrangements may be made for individual instruction in other musical courses if necessary or desirable.

Piano for practice may be rented at the comptroller's office at the following rates:

One hour daily, \$3 a quarter.

Organ for practice: one hour daily, \$12.50 a quarter.

All rental charges must be paid in advance. No rebate in these charges will be allowed. Lessons lost through enforced absence may not be made up unless the teacher in charge has been previously notified of the intended absence and is willing to accept the excuse for the absence.

NURSING

Home Economics Hall

Associate Elizabeth S. Soule

1. There are three distinct types of work for majors in nursing included in this department.

a. Five-Year Curriculum: Three years of University work and two years in an approved hospital, leading to a degree of bachelor of science in nursing and a hospital diploma.

b. Three-year curriculum for graduate nurses leading to a degree of bachelor of science in nursing.

c. One-year curriculum for graduate nurses leading to a certificate in public health nursing.

d. Three months' service course for students who have entered hospital schools of nursing.

2. Service course for majors in other departments.

3. Because of the desire to relate this work closely to outside institutions the following courses have been developed through the extension service department.

a. A course leading to a certificate in public health nursing at Firland Sanatorium.

b. An introductory course in public health nursing to senior students in general hospitals.

1. *History of Nursing*.—Informational study of nursing from the earliest times; traditions of nursing as a profession. Open to any woman student in the University. Five credits; autumn. Soule.

3. *Ethics of Nursing*.—Designed to introduce the student to recognized principles which govern her relationship to the patient, the physician, the hospital and the public. Three credits; spring. Soule.

5. *Home Care of the Sick*.—Practical course for women students. Instruction given in baths and bed making, care of patients ill with common communicable diseases, care of chronics, invalids and babies. Fee, \$1. Two credits; autumn, winter, spring. Soule.

102. *Principles of Public Health Nursing*.—Lectures on social and nursing technique in public health nursing. Discussion and observation of infant welfare, school, industrial, tuberculosis, and general visiting nursing. Theoretical and practical work required. Prerequisite, graduate registered nurse. Five credits; autumn. Soule.

103. *Administration of Public Health Nursing*.—Organization and administration of societies 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. Prerequisite, Nurs. 102. Five credits; winter. Soule.

104. *Mental Hygiene Nursing*.—Nursing technique in care of mental cases as it applies to the public health nurse. Prerequisite, graduate registered nurse. Two credits; spring. _____.

110. *Public Health Nursing*.—Field work to give a practical knowledge of the field of public health nursing. Discussion of family problems, demonstration in nursing technique, culture taking, milk modification, maternity care, district problems, etc. Prerequisite, Nurs. 102. Eight to sixteen credits; time to be arranged. _____.

111. *Supervised Field Work in School Nursing with the Medical Department of the Seattle Schools*.—Twelve hours field work; one hour class. Prerequisite, graduate registered nurse. Three credits; autumn, winter, spring. _____.

120. *Public Health Nursing*.—A non-technical course in public health. Deals with the modern public health movement in its various phases. Three credits; spring. Soule.

Child Care and Development.—See Home Economics 111.

Health Education.—See Educ. 179.

ORIENTAL LIFE, LANGUAGES, LITERATURE, AND HISTORY

Philosophy Hall

Professor Gowen, Lecturer Hall

The department exists for the cultural enrichment of the University's clientele by revealing the thought treasures of the Asiatic world, now beginning to be exploited by American universities; and as well for the training of students looking specifically to: (1) business in and trade with Asiatic nations, (2) educational and religious work among Asiatics, (3) journalistic work in Asia or journalism interested in the impact of East and West, (4) teaching of Oriental history, life, languages and literatures in high schools and colleges of this country, (5) concern with the problem of Oriental populations in this country, (6) concern with Euro-American governmental policies in Asia.

Students of the above groups will be given credit toward a major in this department in any of the supplementary courses of other departments listed below.

(1) *Business in and Trade with Asiatic Nations.*—These students should register in the College of Business Administration, taking as electives as many as possible of the following courses: Hist. 25, 175, 176, 178, 179; O.L.L. and H. 40, 41, 120, 122; Phil. 2 is desirable.

(2) *Educational and Religious Work Among Asiatics.*—These students should major in education, electing the following courses, which are particularly recommended: Hist. 25, 175, 176, 178, 179; O.L.L. and H. 40, 41, 115, 120, 121; and what is desired from 50, 51, 52, 70, 71, 80; B.A. 145, 173; Phil. 2, 101-2-3, 113, 141-2-3 are also recommended.

(3) *Journalistic Work in or Concerned about Asia.*—These students should enter the School of Journalism and have a strong general foundation in history and political science (including Hist. 153, 157-8-9, and Pol. Sci. 1, 113, 121, 123), Oriental history courses, and other courses from O.L.L. and H. according to special interest. Also B.A. 147, 173 and Anthro. 111.

(4) *Teaching Oriental Subjects in High Schools and Colleges.*—These students should major in O.L.L. and H.; Anthro. 111, B.A. 143, and Hist. 153, 157-8-9 are necessary. B.A. 173, Phil. 2, 101-2-3, 113, 141-2-3 and Pol. Sci. 1, 113, 121, 123, 128, 158 are desirable.

(5) *Concern with Oriental Populations in America.*—These students should major in sociology and elect Anthro. 111, O.L.L. and H. 40, 41, 70, 115, 121, Hist. 25, 175, 176, 178, 179, which are necessary, and O.L.L. and H. 107-8-9, 110-11-12, which are desirable.

(6) *Concern with Government Policies toward Asia.*—These students should take courses in Pol. Sci. (particularly 1, 113, 121, 123, 128, 158, and O.L.L. and H. (particularly 40, 41, 120, 121), and Hist. 25, 175, 176, 178, 179, 153 and 157-8-9; also Anthro. 111.

Students interested in the special fields outlined above should consult with members of the department before registering. The department also aims to be of service to those who are preparing themselves for government service, civil and military, in the Orient.

The college requirement of one year's work in ancient languages and literature may be satisfied by any two of courses 50, 51, and 52. Courses 114, 115, and 116 count for credit in the department of philosophy. By special work under the direction of the instructor upper division students may receive upper division credit in courses 40-100 inclusive, marked below with a dagger. Courses above 100 are intended for juniors, seniors, and graduates.

Hist. 25, O.L.L. and H. 40 and 41 are planned as a continuous course at the same hour for one year, comprising a general introduction to the field of Oriental history and culture.

I COURSES

†40. *Contemporary Chinese Civilization*.—A survey of the formation, ideals, life and contemporary institutions of the Chinese people, with special stress on cultural, commercial and political trends affecting the meeting of East and West. Prerequisite, Hist. 25. Five credits; winter. Hall.

†41. *Contemporary Japanese Civilization*.—A survey of the formation, ideals, life and contemporary institutions of Japanese people. Stress laid upon the peculiar combination of Chinese and European culture which makes up modern Japan. Recommended to follow Hist. 25 and O.L.L. and H. 40. Prerequisite, Hist. 25. Five credits; spring. Gowen.

†50. *Literature of India*.—Indian literature from the Vedas to Rabindranath Tagore. Five credits; autumn. Gowen.

†51. *Literature of the Euphrates Valley and Egypt*.—A survey of literary discoveries in Sumerian, Babylonian, Assyrian and Egyptian archæology. Five credits; winter. Gowen.

†52. *Literature of Persia*.—From the cuneiform inscriptions of the Achaemenians to the fifteenth century A.D. Five credits; spring. Gowen.

†70. *Literature of China and Japan*.—Five credits; autumn. Griffin.

†80. *Semitic Literature*.

101-102-103. *Hebrew, Aramaic, or Arabic*.—(According to demand.) Five credits; autumn, winter, spring. Gowen.

104-105-106. *Sanskrit*.—Grammar and readings in the Nala, Hitopadeca and Veda. Five credits; autumn, winter, spring. Gowen.

*107-108-109. *Chinese Language and Ideograph IV, V, VI*.—S. A. Owen.

114. *History of Religion I*.—Primitive conceptions of religion; naturism and spiritism. Three credits; autumn. Gowen.

115. *History of Religion II*.—The religions of the Far East. Three credits; winter. Gowen.

116. *History of Religion III*.—Judaism, Christianity, Muhammadanism. Three credits; spring. Gowen.

120. *Problems of the Pacific I*.—The political and diplomatic situations outstanding between America, Japan, China, the Philippines and the European nations on the Pacific. Two credits; autumn. Hall.

121. *Problems of the Pacific II*.—As above, specializing on economic, and cultural situations. Two credits; winter. Hall.

II. IN HISTORY DEPARTMENT

History 25. *Introduction to History of Asia*.—This course aims to give a resumé of the main currents of human movement in the history of the continent of Asia. Five credits; autumn. Gowen.

†By special work under the instructor upper division students may receive upper division credit.

* Not offered in 1926-27.

History 175. *History of China I.*—From the beginnings in the Upper Yellow river valley B.C. 3000 to the Manchu Dynasty, A.D. 1644. Five credits; winter. Hall.

History 176. *History of China II.*—From 1644 to present with special emphasis on the Chinese Republic. Five credits; spring. Hall.

History 178. *History of Japan I.*—From the emergence from barbarism and contact with Chinese culture of fifth century A.D. to the end of the Tokugawa Shogunate. Five credits; winter. Gowen.

History 179. *History of Japan II.*—From the Restoration to the present, with special attention to Japan's colonial expansion. Five credits; spring. Hall.

PAINTING, SCULPTURE AND DESIGN

Philosophy Hall

Associate Professor Isaacs; Assistant Professor Dudley; Associates Patterson, Worman, Storm, Pratt; Instructors Rhodes, Foote, Kramer.

Students applying for advanced standing should present samples of work done, to the head of the department.

9 5, 6, 7. *Drawing.*—Elementary course. Charcoal and water color from casts and still life. Perspective. Prerequisite for any subsequent course in drawing and painting. Lab. fee, \$1. Three credits a quarter; autumn, winter, spring. Patterson, Pratt.

9 9, 10, 11. *Art Structure.*—Principles of design in line, dark and light, and color to develop power of appreciation and creation of good design. Prerequisite for any subsequent course in art structure. Lab. fee, \$1. Three credits a quarter; autumn, winter, spring. Kramer, Rhodes, Storm.

*16, 17, 18. *Art Appreciation.*

53, 54, 55. *Art Structure.*—Principles of design applied in batik, tie and dye and wood-block printing. Prerequisite, 9, 10, 11. Lab. fee, \$2. Three credits a quarter; autumn, winter, spring. Kramer.

9 56, 57, 58. *Drawing and Painting.*—Still life, and cast. Oil painting. Introduction to drawing from life. Prerequisite, 5, 6, 7. Lab. fee, \$2. Three credits a quarter; autumn, winter, spring. Patterson.

59, 60, 61. *Household Design.*—Designs for tiles, leaded glass, metal work, fixtures and embroidery. Prerequisite, 5, 6, 7, 9, 10, 11. Three credits a quarter; autumn, winter, spring. Foote.

65, 66, 67. *Drawing and Painting.*—Lab. fee, \$1. Prerequisites, 5, 6, 7. Three credits; autumn, winter, spring. Isaacs.

72, 73, 74. *Sculpture.*—Elementary course in modelling clay and wax from casts. Original compositions. Construction of plaster moulds. Lab. fee, \$3. Three credits a quarter; autumn, winter, spring. Pratt.

80, 81, 82. *Furniture Design.*—Lectures on the history of furniture with the execution of original design for furniture. Prerequisites, 9, 10, 11. Two credits a quarter; autumn, winter, spring. Foote.

101. *Public School Art.*—Elements of interior decoration, adapted to public school art. Prerequisites, 9, 10, 11. Two credits; autumn. Foote.

102. *Public School Art.*—Problems in representation, design, and in-

dustrial art. Prerequisites, 5, 6, 7, 53, 54, 55. Adapted to grade, junior high, and high school courses. Methods of presentation. Two credits; winter. Rhodes.

103, 104. *Pottery*.—Lab. fee, \$2. Prerequisites, 5, 6, 7, 9, 10, 11. Three credits a quarter; autumn and winter. Worman.

105. *Art Structure*.—Design as applied to lettering. Prerequisites, 9, 10, 11, and 5, 6, 7. Three credits; autumn. Storm.

106. *Art Structure*.—Poster designing. Prerequisites, 5, 6, 7, 9, 10, 11. Three credits; winter. Storm.

107, 108, 109. *Portrait Painting*.—Lab. fee, \$3. Prerequisites, 56, 57, 58. Three credits a quarter; autumn, winter, spring. Patterson.

110, 111, 112. *Interior Decoration*.—Prerequisites, 9, 10, 11, 56, 57, 58. Three credits a quarter; autumn, winter, spring. Foote.

116. *Illustration*.—Prerequisites, 9, 10, 11, 56, 57, 58. Lab. fee, \$3. Three credits; autumn. Rhodes.

122, 123, 124. *Sculpture*.—Continuation of 72, 73, 74, with modeling from the head. Lab. fee, \$3. Three credits a quarter; autumn, winter, spring. Pratt.

126, 127, 128. *History of Painting*.—Evolution of the great schools of painting. Illustrated lectures and discussions. One credit a quarter; autumn, winter, spring. Isaacs.

130. *Pottery*.—Advanced work with emphasis on glazing. Lab. fee, \$2. Three credits a quarter; autumn or winter. Worman.

132, 133, 134. *Advanced Sculpture*.—Modeling from the head or figure. Compositions. Prerequisite, 122, 123, 124. Lab. fee, \$3. Three credits a quarter; autumn, winter, spring. Pratt.

151, 152. *Art Structure*.—Wood blocks, linoleum printing and monotypes. Landscape and figure compositions. Prerequisite, junior standing. Three credits a quarter; winter and spring. Rhodes.

157. *Metal Work*.—Etching, sawing and hammering of copper and brass. Lab. fee, \$2. Prerequisites, 53, 54, 55. Three credits; autumn. Kramer.

158. *Jewelry*.—Simple problems in silver. Stone setting. Lab. fee, \$3. Prerequisite, 157. Three credits; winter. Kramer.

*159. *Jewelry*.

160, 161, 162. *Life*.—Lab. fee, \$3. Prerequisite, junior standing. Three credits a quarter; autumn, winter, spring. Isaacs.

163, 164, 165. *Composition*.—Pictorial composition in charcoal and oil painting. Lab. fee, \$1. Prerequisite, junior standing. Three credits a quarter; autumn, winter, spring. Isaacs.

166, 167, 168. *Art Structure*.—Problems in decoration related to the stage. Three credits a quarter; autumn, winter, spring. Kramer.

169, 170, 171. *Costume Design*.—Prerequisites, 9, 10, 11. Two credits a quarter; autumn, winter, spring. Storm.

172, 173, 174. *Interior Decoration*.—Advanced problems in interior dec-

*Not offered in 1926-27.

oration in elevation and perspective. Five credits per quarter; autumn, winter, spring. Foote.

175, 176, 177. *Advanced Painting*.—Lab. fee, \$3. Prerequisites, 56, 57, 58. Three credits a quarter; autumn, winter, spring. Isaacs, Patterson.

179, 180, 181. *Costume Design*.—Prerequisites, 171. Two credits; autumn, winter, spring. Storm.

COURSES FOR GRADUATES ONLY

207, 208, 209. *Portrait Painting*.—In this course the student will do work of ample size and of a professional character. Lab. fee, \$3. Five credits a quarter; autumn, winter, spring. Patterson.

260, 261, 262. *Advanced Painting*.—An intensive course in painting from life. Lab. fee, \$3. Five credits a quarter; autumn, winter, spring. Isaacs.

263, 264, 265. *Composition*.—The designing and execution of pictorial and decorative compositions. Lab. fee, \$1. Three to five credits a quarter; autumn, winter, spring. Isaacs.

Teachers' Course in Methods in Teaching Art.—See Educ. 160P.

Commercial Art Courses.—P.S.D. 9, 10, 11, 105, 106, 116.

PHARMACY, PHARMACEUTICAL CHEMISTRY, PHARMACOLOGY, TOXICOLOGY, MATERIA MEDICA AND FOOD CHEMISTRY

Bagley Hall

Professor Johnson; Associate Professors Lynn, Langenhan; Assistant Professor Goodrich; Lecturer Osseward; Associate Snidow; Instructor Burlage and Assistants.

1, 2, 3. *Theoretical and Manufacturing Pharmacy*.—Principles of pharmaceutical operations, and manufacture of Pharmacopoeial and National Formulary preparations. Two lectures, one quiz and two laboratory periods a week. Lab. fee, \$6.50 a quarter. Five credits a quarter; autumn, winter, spring. (Phar. 1, 2 repeated winter, spring quarters. Burlage and assistants.

4. *Commercial Pharmacy*.—Lecture course, covering the commercial problems of the practical pharmacists. Two credits; spring. Osseward.

5, 6, 7. *Drug Assaying*.—Experiments in gravimetric and volumetric analysis. Training in fundamental principles of quantitative analysis with analysis of substances of pharmaceutical importance. Alkaloid assay of crude drugs and assay of volatile oils. Two lectures and three laboratory periods a week; autumn and winter quarters. Two lecture and two laboratory periods a week; spring quarter. Five credits; autumn, winter. Four credits; spring. Lab. fee, \$6.50 in autumn and winter quarters and \$4.50 in spring quarter. Goodrich.

9, 10, 11. *Prescriptions*.—Theory and practical application of extemporaneous compounding. About 200 prescriptions are compounded, illustrating the theory of class room work. One lecture, one quiz, and one laboratory period a week. Lab. fee, \$3 a quarter. Three credits a quarter; autumn, winter, and spring. Langenhan and assistants.

12, 13. *Materia Medica*.—Crude organic drugs, their source, methods of collecting and preserving, identification, active constituents and adulterations. Three lectures a week. Three credits; autumn, winter. Goodrich.

15. *Field Materia Medica*.—Native medicinal plants of Washington and plants under cultivation in the drug garden. One laboratory period a week, consisting largely of work in the drug garden and field trips. Lab. fee, \$1. One credit; spring. Goodrich.

101, 102, 103. *Pharmacology and Toxicology*.—Physiological actions of drugs in health and disease; therapeutic uses and posology; symptoms and treatment in cases of poisoning. Two credits a quarter; autumn, winter, spring. Lynn.

112. *Materia Medica*.—Advanced course in materia medica dealing largely with animal drugs and biological products. Three credits; spring. Goodrich.

113, 114, 115. *Advanced Prescriptions*.—Difficult and incompatible prescriptions. Special problems in dispensing, and new and non-official remedies. Manufacture of diagnostic reagents. Two lectures, one quiz and two laboratory periods. Lab. fee, \$6.50 a quarter. Five credits; autumn, winter, spring. Langenhan and assistants.

117, 118, 119. *United States Pharmacopoeia and National Formulary*.—Chemistry and pharmacy of the U.S.P. and N.F. preparations and inorganic chemicals. Two recitations a week. Two credits; autumn, winter, spring. Langenhan.

125, 126, 127. *Current Problems*.—Lectures and recitation in current pharmaceutical problems, commercial and scientific. Use is made of the current number of most of the pharmaceutical journals published in the United States, and of several medical journals. One credit; autumn, winter, spring. Langenhan.

191, 192, 193. *Research Problems in Pharmacy*.—Open to juniors, seniors and graduates. Laboratory fee according to credit and type of work. One to five credits; autumn, winter, spring. Lynn, Langenhan, Goodrich, Johnson.

195, 196, 197. *Pharmaceutical Chemistry*.—The pharmacy and chemistry of alkaloids, glucosides, oils, volatile oils and other plant and animal principles of pharmaceutical importance. The course will also include the separation and identification of poisons from animal tissue. Two lectures and three laboratory periods. Lab. fee, \$6.50 a quarter. Five credits; autumn, winter, spring. Lynn.

201, 202, 203. *Investigation*.—Graduate students may undertake original investigation in pharmacy, pharmaceutical chemistry, pharmacology, volatile oils and plant principles under the direction of an instructor. Laboratory fee according to credit and type of work. Credit to be arranged. Autumn, winter, spring. Lynn, Langenhan, Goodrich, Johnson.

PHILOSOPHY

Philosophy Hall

Professor Savery; Associate Professor ———; Assistant Professor Blake; Teaching Fellows and Assistants

The Liberal Arts requirement is five credits in philosophy. This requirement may be satisfied by any one of the following courses: Philosophy 1, 2, 3, 5. (None of these has any prerequisites.)

Philosophy 1, 2, 3 or 5 is required of seniors 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.

Philosophy 2 or 3, 5, and 101-102-103 are required of majors.

At least 50 per cent of the hours in the major must be in upper division courses.

1. *Introduction to Philosophy*.—Five credits; autumn, winter, spring.

Savery, Blake.

2. *Introduction to Social Ethics*.—Social ideals and problems, with special emphasis upon the opposition of democracy and aristocracy in government, industry, law, education, art and religion. Five credits; winter.

Savery and assistants.

3. *Introduction to Ethics*.—Ethical principles and their application to the problems of life. Five credits; spring.

Blake and assistants.

5. *Introduction to Logic*.—Conditions of clear statement, adequate evidence, and valid reasoning, and their establishment in the mental processes of the student. Five credits; autumn, winter, spring.

101-102-103. *History of Philosophy*.—Ancient, medieval and modern. Open to juniors and seniors only. Three credits a quarter; autumn, winter, spring.

Blake.

104-105-106. *Metaphysics*.—The nature of reality, with special reference to the concepts and principles of science. For advanced students in philosophy or in the sciences. Instructor's permission necessary. Three credits a quarter; autumn, winter, spring.

Savery.

*113. *Philosophy of Religion*.

Oriental Languages and Literature. 114, 115, 116. *History of Religion*.—Autumn quarter: Primitive conceptions of religion, the religions of Egypt and the Euphrates Valley. Winter quarter: Religions of the Far East. Spring quarter: Judaism, Muhammadanism, and Christianity. Three credits a quarter; autumn, winter, spring. (May be counted for credit in philosophy.)

Gowen.

123. *Philosophy in English Literature of the Nineteenth Century*.—From Wordsworth to Shaw, Wells and Chesterton, and including Emerson, Whitman and Masters. Prerequisite, Phil. 1, or instructor's permission. Five credits; spring.

Savery.

129. *Esthetics*.—Theories of the nature of Art, the nature of Beauty, and the various sources of esthetic effect. Open only to juniors and seniors. Five credits; autumn.

133. *Ethical Theory*.—An advanced course in the fundamental concepts and principles of ethics. Prerequisite, Phil. 2 or 3. Two credits; spring.

Savery.

141-142-143. *Contemporary Philosophy*.—Modern movements and controversies. Readings and discussions on pragmatism, new intuitionism, mysticism, philosophy of faith, fate and free will, mechanism and vitalism, materialism and idealism, the finite and infinite, the new realism, etc. Two credits a quarter. Prerequisite, Phil. 1 or 101-102-103. Autumn, winter, spring.

Blake.

*191-192-193. *Advanced Logic*.

COURSES FOR GRADUATES ONLY

207-208-209. *Seminar in Philosophy of Science*.—An advanced study of metaphysics. Open to students upon approval of instructor. Two or three credits a quarter; autumn, winter, spring.

Savery.

* Not offered in 1926-27.

* 227-228-229. *Seminar in Esthetics.*—A critical examination of the principal theories of the nature of Beauty and of the nature of Art. Open to students upon approval of the instructor. Two or three credits a quarter; autumn, winter, spring.

241-242-243. *Seminar in Plato and Aristotle.*—Reading of the texts in translation, with discussion and interpretation. Two or three credits a quarter; open to students upon approval of instructor. Autumn, winter, spring. Blake.

*244-245-246. *Seminar in Hume and Kant.*

*247-248-249. *Seminar.*—The Philosophy of Schopenhauer and Nietzsche. *Post Kantian Idealism 2-3 cr.*

211, 212, 213 251-252-253. *Research in Philosophy.*—One to six credits a quarter; open to students upon approval of instructor. Autumn, winter, spring. Savery, Blake.

PHYSICAL EDUCATION AND HYGIENE FOR MEN

Gymnasium

Assistant Professor Arbuthnot, Director; Associates Bagshaw, Edmundson, Graves; Professor Hall, University Health Officer

Requirements for Graduation.—All students, both men and women, are required to take a prescribed amount of directed physical training and hygiene or military science and tactics.

Military Training.—Requirements in military science and tactics take precedence over the requirements in physical education. (See Military Science and Tactics.)

Physical Examinations.—Upon entering college each student is given a physical examination. On the basis of their examination students are segregated in three divisions: A, B, and C.

All able bodied men shall satisfy all requirements in this department with two years of military science and tactics. Students exempt from military training for any reason must take the same number of hours in physical training.

Requirements for a Major.—1. Students intending to major in physical education in the School of Education should complete in the freshman year 10 hours in English 1-2, 10 hours in Zoology 1-2, (or 3-4) and 5 hours in physical education 1-2-3 (which may be counted as scholastic credit for men who complete 10 hours in military science or approved substitute); and in the sophomore year, 10 hours in Zoology 127, 128.

2. Students using physical education as a major are advised to complete a second teaching major or two teaching minors (which may be started before entering the School of Education).

3. With the consent of the director of the department, courses in anatomy, physiology, and anthropometry may be counted in a physical education major.

Intramural Athletics.—Intramural contests under the supervision of the department are conducted in the following sports: football, basketball, ice-hockey, baseball, cross country, tennis, track, boxing, and wrestling. All students are urged to turn out for some sort of athletic competition.

All physical education majors in the School of Education are required

* Not offered in 1926-27.

to take courses 1-2-3, 101-102-103, 110, 115, 131-132-133. Courses 111, 112, 120, 121, 123, 124 are optional.

The following curriculum is especially arranged for men who plan to prepare for coaching athletics and directing physical education in the public schools. Their first few years of service will be in the smaller high schools where athletic coaching must be combined with teaching academic subjects. Thus it is possible for a student in the School of Education to select athletic coaching either as a major or a minor.

1-2-3. *Calisthenics and Gymnasium*.—Introductory courses for freshmen. One and two-thirds credits a quarter; autumn, winter, spring.

Arbuthnot.

16-17-18. *Intramural Sports and Games*.—For freshmen. One and two-thirds credits a quarter; autumn, winter, spring.

51-52-53. *Calisthenics and Gymnastics*.—For sophomores. One and two-thirds credits a quarter; autumn, winter, spring.

Arbuthnot.

57-58-59. *Intramural Sports and Games*.—For sophomores. One and two-thirds credits a quarter; autumn, winter, spring.

Arbuthnot.

101-102-103. *Athletic Coaching: Gymnastic Terminology*.—Classification of gymnastic material, principles and technique of teaching. Two credits a quarter; autumn, winter, spring.

Arbuthnot.

110. *Athletic Coaching: First Aid*.—Treatment of accidents on the athletic field, public playground or in the gymnasium. Two credits; autumn.

Arbuthnot.

111. *Scout Organizations and Management*.—Lectures on aims and policies of scouting. Some periods will be devoted to camping, camp cooking, hiking, signalling, knot tying, first aid, tree study, troop formations and plans for organizing and conducting a troop. Five credits; winter.

Arbuthnot.

112. *Scout Leadership*.—Study of the text *Community Boy Leadership*, together with a comparison of such standard programs as Boy Scouts, Girl Scouts, Campfire Girls and Woodcraft League. Opportunity will be offered to visit and study local Court of Honor and other phases of activities by Seattle Scouts. Five credits; spring.

Arbuthnot.

113. *Athletic Coaching: Playground Supervision*.—Organization and equipment. Trips to city playgrounds with practice teaching in same. One-hour lecture, three-hour laboratory. Two credits; spring.

Arbuthnot.

*114. *Physical Diagnosis*.

115. *Athletic Coaching: Organisation and Administration*.—Physical methods and tests, organization of departments. Two credits; spring.

Arbuthnot.

120. *Athletic Coaching: Football*.—Prerequisite, one regular season's practice in football. Two credits; spring.

Bagshaw.

121. *Athletic Coaching: Theoretical Basketball*.—Prerequisite, one regular season's practice in basketball. Two credits; winter.

Edmundson.

122. *Athletic Coaching: Theoretical Track*.—Prerequisite, one regular season's practice in track. Two credits; winter.

Edmundson.

123. *Athletic Coaching: Theoretical Baseball*.—Prerequisite, one regular season's practice in baseball. Two credits; spring.

Graves.

124. *Athletic Coaching*: Theoretical Boxing and Wrestling.—Prerequisite, one season's practice in boxing or wrestling. Two credits; autumn. Arbuthnot.

131-132-133. *Athletic Coaching*: Theory and Practice of Corrective Gymnastics, Deformities, their causes, prevention and treatment. Corrective exercises. Three credits a quarter; autumn, winter, spring. Arbuthnot.

Teachers' Course in Physical Education for Men.—See Educ. 160S.

PHYSICAL EDUCATION AND HYGIENE FOR WOMEN

Gymnasium

Associate Professor Gross, Director; Lecturer Irwin; Associate Anderson; Instructors Aid, McGownd; Assistant Helmich

There are two kinds of courses in this department.

(1) Those required for graduation. All women, during the freshman year of college attendance are required to participate two hours a week in some form of healthful exercise; the sophomore year may be taken in the sophomore, junior or senior year. The kind of exercise is determined by the health examination. The course in Personal Hygiene is required of freshmen; the course in Principles of Nutrition is required of sophomores. Ten credits, six in healthful and recreational exercise, two in Hygiene and two in Principles of Nutrition, are required for graduation.

The policy of allowing the sophomore healthful exercise to be taken during the sophomore, junior or senior year, at the election of students, is a temporary one, adopted by the University on account of the congested conditions in the University gymnasium.

Women who do not take physical education during the sophomore year must obtain written notices of deferment from the head of the department and file these in the registrar's office.

(2) Those leading to a major in physical education in the College of Science, or in the School of Education. (Courses numbered above 100.) Students not majors may elect these courses.

Uniforms.—Uniforms are required for all Physical Education activity classes. Students are advised, however, not to buy their uniforms until after their health examination and assignment to classes. Uniforms may be bought at the University Bookstore.

4, 5, 6. *Hygiene*.—One hour of lecture. Two-thirds credit a quarter; autumn, winter, spring. Required of all first year women. Irwin.

54-55-56. *Principles of Nutrition*.—Food and nutrition as related to health. Required of all second year women. One lecture a week. Two-thirds of a credit; autumn, winter, spring. Bliss.

61. *Folk Dancing*.—Two hours of practice. One credit a quarter; autumn, winter, spring. Sect. A to E inclusive folk dancing; F to J inclusive clog dancing. Martin.

64. *Hockey and Soccer*.—Two hours of practice. One credit; autumn. Sect. A, B, Hockey; Sect. C, D, E, Soccer.

65. *Basketball*.—Two hours of practice. One credit; winter. Helmich, Martin.

67. *Elementary Tennis*.—Two hours of practice. One credit; autumn, spring. Helmich, Anderson.

69. *Advanced Tennis*.—Prerequisite, Phys, Educ. 67. Two hours practice. One credit; spring, autumn. Anderson.

72. *Rifle Shooting*.—Two hours of practice. One credit a quarter; autumn, winter, spring.

75. *Archery*.—Two hours practice. One credit; autumn, spring. Aid.

81. *Baseball*.—Two hours practice. One credit; spring. Helmich.

82. *Limited Healthful Activities*.—Volley ball. Two hours practice. One credit; autumn, spring. Anderson.

84. *Limited Healthful Activities*.—Canoeing. Two hours of practice. One credit; spring. Martin.

87. *Golf*.—Two hours practice. Fee, \$3.50. One credit; autumn, winter, spring. Jefferson.

88. *Advanced Golf*.—Prerequisite, Phys. Educ. 87. Fee, \$3.50. One credit; winter, spring, autumn. Jefferson.

91, 92, 93. *Natural Dancing*.—Two hours practice. One credit; autumn, winter, spring. Aid.

Registration in the following courses is only upon the recommendation of an instructor following medical and physical examination.

1, 2, 3, AA to FF inclusive. *Corrective Gymnastics*.—One credit; autumn, winter, spring. McGownd.

1, 2, 3, X, *Freshman Prescribed Activities*.—One credit; autumn, winter, spring. Anderson.

51, 52, 53, X *Sophomore Prescribed Activities*.—One credit; autumn, winter, spring. Anderson.

PROFESSIONAL COURSES IN PHYSICAL EDUCATION

100. *Survey of Physical Education as a Profession*.—Opportunities in the field. Relation of courses. Required of all physical education majors. Two credits; winter. Gross.

101-102. *Methods of Gymnastics*.—Gymnastic terminology. Classification of gymnastic material. Principles and technique of teaching. Prerequisites, or accompanying courses, Anat. 101-102-103 and Physiology 54-55. One hour lecture and two hours practice. Three credits a quarter; winter, spring. Aid.

103. *Natural Gymnastics*.—Drills and gymnastics based on natural technique. Methods of teaching. Use and classification. One hour lecture and two hours practice. Three credits; autumn. Anderson.

104-105-106. *Methods of Folk Dancing*.—Dances of the nations arranged for teaching in schools. Technique, methods of teaching, relation of music to dancing. Study of folk festivals, educational values, organization, costuming. Prerequisite, one year of dancing or Phys, Educ. 111-112, 113. One hour lecture and two hours practical work. Two credits a quarter; autumn, winter, spring. Gross.

111-112. *Plays and Games*.—Singing games, dramatic plays, graded games, elementary team games, and story telling; classification, value, and methods of teaching. One lecture and two hours practical work a week. Three credits a quarter; autumn, winter. Gross.

113. *Organization and Administration of Playgrounds.*—Classification of play material, conduct and equipment of play centers. Commercial and municipal recreation; agencies promoting recreational activities. Prerequisite, Phys. Educ. 111-112. Three lectures a week. Three credits; spring.

Gross.

122. *Kinesiology.*—A study of the principles of body mechanics and body movements; the analysis of muscular movement and problems of muscular readjustments in relation to posture. Prerequisites, Anat. 101-102-103 and Physiology 54-55. Three credits; spring.

McGownd.

131-132-133. *Theory and Practice in Corrective Gymnastics.*—Study of deviations from the normal, remedial gymnastics and application of exercises for correction; kinesiology. Two hour lecture and four hours practice. Prerequisites, Phys. Educ. 101-102 and Physiol. 53-54-55. Three credits a quarter; autumn, winter, spring.

152. *Administration of Physical Education.*—Curricula for grades and high schools; school administration. Value of various types of activities. Administration problems. Prerequisite, Phys. Educ. 101-102-103, 104-105-106. and 111-112, 113, and Educ. 160R. Two credits a quarter; winter.

Gross.

153. *Methods in Health Instruction.*—Material and methods in teaching hygiene in the grades. Two hours a week. Two credits; spring.

154-155-156. *Natural Dancing.*—Technique of natural dancing, based on natural movements. Composition of dance dramas. One hour lecture and two hours practice. Prerequisite, participation in dance drama, or P.E. 91, 92, and upper division standing. Two credits a quarter; autumn, winter, spring.

Aid.

157-158-159. *Advanced Natural Dancing.*—Methods in teaching natural dancing and adaptation for various types of classes. Character dancing and study of the characteristics of national groups. Prerequisite, Phys. Educ. 154, 155, 156. Two credits; autumn, winter, spring.

Aid.

*161. *Normal Diagnosis.*

167. *Hockey and Soccer Coaching.*—Methods of coaching hockey and soccer. Prerequisites, Psych. 1, and knowledge of and participation in hockey. One hour lecture and two hours practice. Three credits; autumn.

Helmich.

169. *Tennis and Archery Coaching.*—Prerequisite, Psych. 1 and knowledge of and participation in both sports. One hour lecture, two hours practice. Three credits; spring.

Anderson, Aid.

170-171-172. *Advanced Athletic Coaching.*—Coaching in basketball, baseball. Students will take charge of classes in sports. Prerequisite, Psych. 1, Educ. 101 and knowledge of game. One hour lecture and two hours of practice. Two credits; autumn, winter, spring.

Anderson.

*174. *Teachers Course in Swimming.*

*175. *Advanced Course in Swimming.*

*179. *Public Recreation.*

180. *Campcraft.*—This is a three weeks course given in September at Hidden Cove Camp on Hood Canal. The course represents actual participation in camp organization and in camp activities, practice in soccer, water

* Not offered in 1926-27.

sports, swimming, canoeing, life saving, camp cooking. and over-night hikes. Two credits. Gross and Staff.

Teachers' Course in Phys. Educ.—See Educ. 160R.

PHYSICS

Denny Hall

Professor Osborn; Associate Professors Brakel, Anderson; Instructor _____; Associate Newbury; Demonstrator Higgs

Note:— Students, not in engineering, who do not have credit for a full year of high school physics, must elect Physics 1H, 2H, 3H. Any entrance condition in physics is removed on completing 1H and 2H. Engineering students without credit for the full year of high school physics may elect Phys. 97, 98, 99 by registering for Sect. H additional. For the present the H section for engineering students will start with 97 in the autumn only.

1-2. *General Physics.*—Courses 1-2 will satisfy the physical science requirement in the colleges of Liberal Arts and Science. Prerequisite, a full year of high school physics. Lab. fee, \$2. Five credits a quarter; autumn, winter. Osborn.

3. *General Physics.*—Electricity. Required of physics majors, of mathematics majors taking physics as a minor; and of all pre-med students. Prerequisite, Phys. 1-2. Lab. fee, \$2. Five credits; spring. Osborn.

1H-2H. *General Physics.*—For students who have not had a full year of high school physics. Physics 1H and 2H will satisfy the physical science requirement in colleges of Liberal Arts and Science. Lab. fee, \$2. Five credits; autumn, winter.

3H. *General Physics.*—Electricity. For students who have had no high school physics. Prerequisite, Phys. 1H-2H. Lab. fee, \$2. Five credits; spring.

50-51. *Sound and Music.*—For fine arts students only. Lab. fee, \$2. Five credits a quarter; winter, spring. Anderson.

54. *Photography for Amateurs.*—Open to students who have had elementary physics or chemistry. Lab. fee, \$5. Three or five credits; spring. Higgs.

89-90. *Physics of the Home.*—For students in home economics, nursing and women majors in physical education. Lab. fee, \$2. Five credits; autumn and winter. Osborn.

97. *Physics for Engineers.*—Mechanics. Prerequisites, high school physics or enrollment in Section H (See note), and twelve hours of mathematics. Lab. fee, \$2. Five credits; autumn, winter, spring. Brakel, Anderson.

98. *Physics for Engineers.*—Electricity. Prerequisite, Phys. 97. (See note). Lab. fee, \$2. Five credits; autumn, winter, spring. Brakel, Anderson.

99. *Physics for Engineers.*—Light and heat. Prerequisite, Phys. 97. (See note). Lab. fee, \$2. Five credits, autumn, winter, spring.

Brakel, Anderson.

101. *Introduction to Modern Theories.*—Atomic structure, properties of electrons and protons, origin and properties of radiation, radio-activity, ionization, presented from the experimental viewpoint. Prerequisite, Phys. 3. Five credits; autumn. Anderson.

- *102. *Analytical Mechanics.*
103. *Heat.*—Prerequisite, Phys. 3; Lab. fee, \$2. Five credits; winter.
- *105. *Electricity.*
113. *Acoustics and Illumination.*—For students of architecture. Prerequisite, Phys. 2. Lab. fee, \$2. Four credits; spring. Osborn.
114. *Electrical Measurement.*—For engineering students. Prerequisite, Phys. 97, 98, 99. Lab. fee, \$4. Three credits; autumn, winter, spring. Brakel.
115. *Applications of Photography to Science Work.*—Prerequisite, special permission. Lab. fee, \$5. Three credits; winter. Higgs.
- *160. *Physical Optics.*
- 167, 168, 169. *Special Problems.*—Students are admitted after consultation with the instructor. Credit arranged; autumn, winter, spring. Osborn, Brakel, Anderson.
- *170. *Spectroscopy.*
175. *High Temperature Thermometry.*—Prerequisite, special permission. Lab. fee, \$2. Three credits; spring.
185. *X-Ray and Radio-activity.*—Production, control, properties, and applications of X-Rays. Radio-active substances and transformations, properties and uses of radiations. For pre-medical and science students. Prerequisite, Physics 3 and Chem. 23. Three credits; spring. Anderson.
190. *Physics of A.C. and D.C. Circuits.*—Prerequisite, special permission. Lab. fee, \$2. Five credits; spring. Brakel.

COURSES FOR GRADUATES ONLY

- *200-201-202. *Dynamics.*
- 203-204. *Theoretical Electricity.*—Two credits, autumn; three credits, winter. Brakel.
- ~~*205.~~ *Vibratory Motion and Sound.*
- *206. *Advanced Optics.*
- 207-208. *Modern Theories.*—Prerequisite, Phys. 101 and Math. 109. Two credits, winter; three credits, spring. Anderson.
209. *Thermo-Dynamics.*—Two credits; autumn.
- *210-211-212. *Seminar.*
- 213-214-215. *Research.* Osborn, Brakel, Anderson.

POLITICAL SCIENCE

Philosophy Hall

Professors Martin, Schweppe; Associate Professor George; Assistant Professor Laube; Assistant Professor Cole; Teaching Fellow Bachman.

The courses in political science are offered to meet the needs of the following groups: (1) students seeking sufficient political training to aid them in understanding their civic duties; (2) those desiring courses in

*Not offered in 1926-27.

political science as a part of their liberal education; (3) students who desire to prepare themselves for positions in the public service, national, state and local, and the foreign service; (4) students seeking courses in political science which are preparatory and supplementary to their work in the following professional schools—law, education, business administration, and journalism; (5) those who desire that systematic and intensive training which will prepare them as teachers or investigators in political science.

Prerequisites.—The normal prerequisite for all courses in the department is Political Science 1. For upper division courses, Political Science 51, 52 and 53, and elementary courses in economics, history and sociology are strongly recommended.

Subject Groups.—The work of the department is divided into the following groups: I. Political Theory and Jurisprudence; II. International Relations; III. National Government; IV. Local Government. A major student must select any one group as his chief interest before proceeding with upper division courses.

The Major.—Candidates for the bachelor's degree with political science as a major must offer 36 credits in political science of which at least 18 shall be in upper division courses.

Major programs must be approved by the department.

Programs must include a sequence of courses amounting to 11 credits in one group and at least five credits in each of the remaining groups.

Graduate Study.—For admission to graduate courses and to candidacy for higher degrees, see the announcement of the graduate school. Candidates for higher degrees in political science must register in the graduate seminar during every quarter of their residence, and in two research seminars, one of which must be in the field of the special investigation.

LOWER DIVISION COURSES

Elementary Courses, Primarily for Freshmen.

1. *Comparative Government.*—A study of representative types of government; presidential, parliamentary, federal, unitary. A rapid survey of the governments of the United States, England, France, Switzerland, Germany, Czecho-Slovakia, comparing them in regard to powers, forms of organization, and functions. Brief discussion of political parties, elections, political ideas and foreign relations. Five credits; autumn, winter, spring.

Martin and Staff.

Intermediate Courses, Primarily for Sophomores

51. *Principles of Politics.*—A study of the origin, form, functions, and nature of the state; its relations to individuals, to other states, and to other social institutions. Five credits; autumn. George.

52. *Introduction to Public Law.*—A detailed consideration of the relation of the state to the individual; constitutional guarantees; freedom of speech and of the press; fundamental concepts in constitutional, international, administrative and criminal law. Five credits; winter. George.

53. *Problems of Democracy.*—A consideration of problems peculiar to and growing out of the modern democratic state; problems of the electorate and of parties; popular methods of legislation. Five credits; spring. George.

UPPER DIVISION COURSES

Prerequisite: Political Science 1. Recommended: Political Science 51, 52 or 53, and one of the following courses: Economics 1, Sociology 1, History 1-2.

Group I.—Political Theory and Jurisprudence

101. *Constitutional Government in the United States and in the State of Washington.*—The framing of the American Constitution; the law of the Constitution; the spirit of the Constitution; the Constitution of the State of Washington. No prerequisites. Required of all candidates for the bachelor's degree during their junior or senior years who graduate after January, 1927, except students who take one of the following courses: Pol. Sci. 1; Pol. Sci. 112; Pol. Sci. 153; Law 170-171; or one of the following sequences of courses: Pol. Sci. 151 and 163; Hist. 60, 61, 62 and 163-164✓ 165; Hist. 143, 144, 145 and 163-164-165. Two credits a quarter; autumn, winter, spring. Martin, Bissett, Meany.

111. *History of Political Theory.*—A comparative study of ancient, medieval and modern ideas and institutions of statehood; periods and schools in the development of political thought; recent tendencies. Three credits; autumn. George.

112. *American Political Theory.*—American political ideas and the fundamental characteristics of the American political system; development of political thinking in the United States; ideas of the Revolution, the Constitution, the democracies of Jefferson and Jackson, the controversy over slavery and "states' rights"; recent developments. Three credits; winter. George.

113. *Contemporary Political Thought.*—A study of recent and contemporary political ideas in Europe, America and the Orient; relation of the state to property and labor; questions of sovereignty and allegiance; recent political doctrines, including pluralism, socialism, syndicalism, etc. Three credits; spring. George.

115, 116, 117. *Readings in Political Theory.*—Readings and discussions based on political and legal writings of first importance, on great state papers, and leading court decisions. Two credits a quarter; autumn, winter, spring. George.

118. *Elementary Law.*—The development of some of the more elementary rules of the common law; the definition, sources and sanction of law; the judicial system of the United States and of the state of Washington; law and the public service. Open to pre-legal students in the lower division. Three credits; autumn. Cole.

119-120. *Jurisprudence.*—Historical development of the science of jurisprudence; comparative legal systems; legal rights and duties; legal relations; fundamental legal theories; English and American legal institutions. Open to pre-legal students in the lower division. Three credits; winter, spring. Cole.

Group II.—International Relations

✱ 121. *Foreign Relations of the United States.*—Leading American foreign policies as regards Europe, Latin America and the Far East; the cardinal principles of American diplomacy; recent applications of the Monroe doctrine; the United States and the Great War; the League of Nations, and the Treaty of Versailles; contemporary questions of foreign policy. Three credits; autumn.

✱ 122. *Administration of American Foreign Affairs.*—Organization of the Department of State; the diplomatic and consular services; American diplomatic machinery and procedure; powers of the President and Senate in foreign affairs; the making and enforcement of treaties; the war powers; American participation in international administrative and judicial agencies. Three credits; winter.

123. *International Relations.*—Evolution of the modern states system; alliances and the balance of power; leading principles of the European con-

cert; geographic, economic, cultural, racial, psychological and social factors underlying international relations; the problems of diplomacy. Three credits; spring.

International Law.—See Law 184-185.

*127. *International Organization and Administration.*

128. *International Relations of the Far East.*—The foreign relations of China and Japan; the rise of Japan as a world power; foreign rights and interests in China; recent international conferences on the Pacific and Far Eastern questions. Three credits; winter. Griffin.

Group III.—National Government

151. *American National Government.*—The formation and development of the American constitutional system; government under the colonies; the executive; the Congress; the courts; parties and elections; evolution through court decisions and political practice. Five credits; autumn. Cole.

152. *American Political Parties.*—Party history; federal and state party organization; nominations and elections; party control of the legislature; the President as party leader; theory of American party divisions; American public opinion; campaign methods; party responsibility; the rise of blocs. Five credits; spring. Cole.

153. *Introduction to Constitutional Law.*—The American constitutional system; the American judiciary; powers of the federal government; the states and the nation; rights and duties of citizens; fundamental American constitutional doctrines; leading decisions of the supreme court. Five credits; winter. Cole.

Constitutional Law.—See Law 171-172.

154. *Public Finance.*—Public expenditures, revenues, debts and financial administration, with particular attention given to taxation. Three credits; winter. Laube.

155. *Principles and Law of Public Administration.*—The rights, duties and liabilities of public officers; the public service; relations between politics and administration; rules regulations and general practices developed in the conduct of administrative commissions and boards, organization of executive departments; administrative problems. Five credits; autumn. Laube.

156. *European Governments and Political Institutions.*—A comparative study of European governments, mainly of the parliamentary type; the responsible ministry; relation between the executive and the legislature; the new governments of Europe. Three credits; winter. Laube.

*157. *Growth of Federalism.*

158. *Governments and Politics of the Far East.*—A study of the government and politics of Japan, China, Siam, and of semi-sovereign, federated, and dependent political entities of the Far East. Three credits; spring. Griffin.

Group IV.—Local Government

161. *Municipal Government.*—History and growth of cities; forms of city government; the municipal council; the city courts; the city and the state; the charter; reforms in city governments; present-day issues in municipal government. Five credits; autumn. Laube.

*Not offered in 1926-27.

162. *Municipal Administration*.—The mayor; the city departments; the city employées; the civil service; city planning; water supply; streets and parks; waste disposal; health; police; fire protection; city revenues; education; public utilities; traffic regulation. Five credits; winter. Laube.

163. *State Government and Administration*.—Colonial origins; state constitutions; the governor; the state legislatures; relation of the state to the nation; the states and law; popular methods of legislation; organization and methods of state administration; administrative reorganization of state governments, with special reference to Washington. Five credits; spring. Laube.

COURSES FOR GRADUATES ONLY

201, 202, 203. *Graduate Seminar*.—For candidates for higher degrees in political science. Two credits; autumn, winter, spring. Staff.

211. *Seminar in Political Theory*.—Special subject for investigation: Political theory of the American constitution. Two credits; autumn. George.

221. *Seminar in International Law and Diplomacy*.—Special subject for investigation: the permanent court of international justice. Two credits; winter. Martin.

251. *Seminar in American Government and Politics*.—Special subject for investigation: Current constitutional questions in the United States. Two credits; autumn. Cole.

*256. *Seminar in Comparative Government*.

261. *Seminar in Local Government*.—Topic: Municipal utilities. Two credits; spring. Laube.

PSYCHOLOGY

Philosophy Hall

*Professor Smith; Associate Professor Guthrie; Instructor Griffith;
Assistant Miss Wilkinson*

Students in the College of Liberal Arts, as well as students in the College of Science, may major in psychology.

The Liberal Arts requirements are five credits in psychology.

For psychology as prerequisite to education, see announcement of department of education.

Majors in psychology may count five hours in Phil. 1, or in 101-102-103 toward satisfying their major requirement.

1. *General Psychology*.—Survey of the science as a whole. No prerequisites. Two lectures, two discussion sections, and one 2-hour laboratory a week. Fee, \$1. Five credits; course repeated every quarter.

Guthrie, Smith.

101. *Physiological Psychology*.—The physical basis of action, thought and the emotions. Students who so desire will be offered an opportunity for individual work in dissection and microscopic study. Prerequisite, Psych. 1. Three credits; winter. Guthrie.

106. *Experimental Psychology*.—Students 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, Psych. 1. Three credits; spring. Guthrie.

109. *Mental Tests*.—Training in applying tests for intelligence and for

*Not offered in 1926-27.

mental analysis. The principles of experimental procedure, methods of measurement, the preparation of tests and statistical treatment of results. Essential to work in clinical psychology. Prerequisite, Psych. 1. Five credits; spring. Smith.

111. *History of Psychology*.—Origin and development of psychology, beginning with the primitive conception of mind, and including a comprehensive view of the sources of scientific psychology. Prerequisite, Psych. 1. Two credits; autumn. Guthrie.

112. *Modern Psychological Theory*.—Criticism of psychological theories in the light of recent experimental findings. Prerequisite, Psych. 1. Three credits; spring. Guthrie.

114. *Current Psychological Literature*.—Reading and discussion in the direction of the student's particular interest, covering a wide range of subjects treated in recent journals and with the new developments in psychology. Prerequisite, Psych. 1. Two credits; winter. Guthrie.

116. *Animal Behavior*.—A course in comparative psychology dealing with the beginnings and development of mind as shown in the behavior of animals under natural conditions and in the laboratory. Prerequisite, Psych. 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, Psych. 1. Two credits; autumn. Guthrie.

121. *Applied Psychology*.—Psychology as applied to such fields as personal efficiency, vocational guidance, scientific management, social work, law, medicine, athletics, and business. No attempt is made by the class as a whole to conduct an intensive study in any one field, but each member of the class will organize his own work around a problem of personal interest. Prerequisite, Psych. 1. Five credits; winter. Guthrie.

124. *Psychology of Learning*.—The principles of learning with especial reference to the psychology of reasoning and the higher mental processes. Prerequisite, ten credits in psychology. Two credits; autumn. Smith.

126. *Abnormal Psychology*.—Description and explanation of types of abnormal behavior, such as automatisms, psychoneuroses, unconscious, dreams. Prerequisite, ten credits in psychology. Three credits; winter. Guthrie.

131. *Child Psychology*.—Mental development from infancy to adult age with the purpose of giving the student a scientific understanding of childhood. Prerequisite, Psych. 1. Three credits; autumn. Smith.

132. *Psychology of Exceptional Children*.—The nature and cause of mental defects and peculiarities of children, with special reference to methods of diagnosis and to physical pathology. Prerequisite, Psych. 1. Three credits; spring. Smith.

151, 152, 153. *Undergraduate Research*.—Registration must be approved in advance by the department. Prerequisites, Psych. 1 and 106. Three credits; each quarter. Smith, Guthrie.

Seminar.—Required of all research students in the department. Weekly meetings.

COURSES FOR GRADUATES ONLY

Before a student registers for graduate courses his topic of research must be approved by the department.

201, 202, 203. *Graduate Research*.

Smith, Guthrie.

ROMANIC LANGUAGES AND LITERATURE

Denny Hall

Professors Frein, Ober, Umphrey; Associate Professors Patzer, Goggio; Assistant Professors Helmlinge, De Vries, ———; Associates Hamilton, Simpson; Instructors Whittlesey, Garcia-Prada; Teaching Fellows Wilson, Cartwright, Southwick, Donald.

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 executive officer of this department.

Students may not begin French I and Spanish I (nor Italian), during the same quarter; and it is better to have three quarters of one Romanic language before beginning another. If the entrance requirement in foreign language has not been fulfilled, no credits will be given for courses 1, 2, 3, 4, and 7 in any of the Romanic languages. Freshmen and sophomores may enter any course, except graduate, for which they have the prerequisites. Graduate students working for the master's degree and offering a minor in French or Spanish will do not less than is required of majors working for the A.B. degree in this department.

I. FRENCH

Requirements of the department. Majors who wish to be recommended to teach French shall be required to take French 41, 101, 102, 103 or 107, 158, 159, Educ. 160T, and electives amounting to 9 or 10 credits in courses in French literature numbered above 115. At least 4 of the 9 or 10 credits shall be in courses in literature conducted in French.

1-2, 3. *Elementary*.—As much as possible French will be used in the class room. Each of the courses 1, 2, 3, is repeated each quarter. No credit will be given for French 1 until 2 has been completed. Five credits a quarter; autumn, winter, spring.

4, 5, 6. *Reading of Modern Texts*.—Each of the courses 4, 5, 6 is repeated each quarter. French 4 may be combined with 7, making a five-hour course. The same is true of 5 and 8, 6 and 9. Prerequisite to French 4 is 3, or equivalent. Three credits a quarter; autumn, winter, spring.

7, 8, 9. *Grammar and Composition*.—Each of the courses 7, 8, 9 is repeated each quarter. Must be taken by majors in French, unless they have done the equivalent in high school. French 7 may be combined with 4. The same is true of 8 and 5, 9 and 6. Prerequisite to French 7 is 3, or equivalent. Two credits a quarter; autumn, winter, spring.

41. *Phonetics*.—Intended to furnish the student an opportunity to acquire a reasonably correct pronunciation and to bring more order out of what seems a mass of exceptions. Prerequisite, French 3. Three credits; repeated each quarter. Frein.

71, 72, 73, or 111, 112, 113. *Scientific French*.—For students in science. Reading in their special lines will be assigned by the head of their department, but the examinations will be given by this department. Two credits. Students of the lower division should register for French 71, 72, 73; those of the upper division for French 111, 112, 113. Prerequisites, French 6 and 9 or an equivalent. Whittlesey.

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. See French 104, 105, 106. Prerequisites, French 6 and 9. Three credits a quarter; autumn, winter, spring.

Patzer, Helmlinge, DeVries, Whittlesey.

104, 105, 106. *Advanced Reading*.—Courses to be taken with 101, 102, 103, if so desired to make five-hour courses. Prerequisites, French 6 and 9. Two credits a quarter. French 101 and 104, 102 and 105 are offered each quarter; 103 and 106 are not offered in the autumn quarter.

108, 109. *Themes*.—Writing of original compositions upon assigned topics. Patzer, Helmlinge, DeVries, Whittlesey.

107. *Themes*.—Writing of original compositions upon assigned topics. Prerequisite, French 103, or 102 with grade of A. Those taking French 107 are not required to offer 103. Three credits; spring. Helmlinge.

118, 119, 120. *Survey of French Literature*.—Lectures in English and collateral reading of English translation. Those who have studied French sufficiently will be assigned French texts to read. No prerequisites. Three credits a quarter; autumn, winter, spring. DeVries.

*121, 122. *The French Novel*.

*124, 125, 126. *The Short Story*.

127, 128, 129. *Advanced Conversation Majors*.—Open only to majors and to those who, by their preparation, could qualify as majors. Careful preparation for each day's exercise will be required, and full credit given. Prerequisites, French 103 and 106, or equivalent. Two credits a quarter; autumn, winter, spring. Helmlinge.

131, 132, 133. *Lyric Poetry*.—Conducted in French. The best lyrics since the sixteenth century, especially those of Lamartine, Hugo and Musset. Rules of French versification. Prerequisite, French 106 or equivalent. Three credits a quarter; autumn, winter, spring. Helmlinge.

141, 142, 143. *The French Drama*.—Lectures and assigned reading. Course conducted in French. Prerequisites, French 6 and 9 or equivalent. Three credits a quarter; autumn, winter, spring. Patzer.

151, 152, 153. *History of the French Literature of the Nineteenth Century*.—Lectures in French and assignments of reading to be done outside of class. Prerequisites, French 6 and 9 or equivalent. Three credits a quarter; autumn, winter, spring. DeVries.

158, 159. *Advanced Syntax*.—French Syntax from the teacher's standpoint. These courses are prerequisites to the teachers' course. Prerequisite, French 103 or 107. Two credits a quarter; autumn, winter. Frein.

161, 162, 163. *Eighteenth Century Literature*.—Lectures in French, and assigned reading and reports. Prerequisite, French 6 and 9, or equivalent. Two credits a quarter; autumn, winter, spring. Patzer.

*171, 172, 173. *Seventeenth Century Literature*.

COURSES FOR GRADUATES ONLY

201, 202, 203. *Middle French and Sixteenth Century*.—Masterpieces of the fourteenth, fifteenth and sixteenth century will be read, and their influence upon later French literature studied. Open to graduates who have studied French at least four years. Two credits a quarter; autumn, winter, spring. Frein.

211, 212, 213. *French Criticism*.—Exposition of the several theories by which French critics have tested literature. Prerequisites, a good knowledge of French or English literature. Courses given in English. Two credits a quarter; autumn, winter, spring. (May be counted for graduate credits in English.) DeVries.

*Not offered in 1926-27.

221, 222, 223. *Old French Readings*.—One of the most helpful courses for teachers of French. Open to graduates who have studied French at least four years. Five credits a quarter; autumn, winter, spring. Goggio.

231, 232, 233. *History of Old French Literature*.—Lectures, in French, on the development of French literature from its beginnings to the fourteenth century. Assigned reading. Prerequisite, four years of French, and graduate standing. Two credits a quarter; autumn, winter, spring. Frein.

*241, 242, 243. *French Historical Grammar*.

Teachers' Course in French.—See Educ. 160T.

II. ITALIAN

No student will be allowed to begin Italian and French, or Spanish, the same year.

1-2, 3. *Elementary*.—No credit will be given for Ital. 1 until 2 has been completed. Ital. 1 is repeated in winter and 2 in the spring. Five credits a quarter; autumn, winter, spring. Goggio.

111, 112, 113. *Modern Italian Literature*.—Prose and poetry of the eighteenth and nineteenth centuries. Lectures and collateral reading. Composition. Prerequisite, Ital. 3. Three to five credits a quarter, autumn, winter, spring. Goggio.

118, 119, 120. *Survey of Italian Literature in English*.—This course deals with a great number of Italian monuments from the period after the Renaissance to the present time, and its purpose is to familiarize the student with the great literary movements of Italy during the different centuries studied. No knowledge of Italian is required. Two credits each quarter; autumn, winter, spring. Goggio.

*121, 122, 123. *The Italian Novel in English*.

*181, 182. *Dante in English*.

*184. *Renaissance Literature of Italy*.

III. SPANISH

Requirements of the department: Span. 159, 101, 102, 103, Educ. 160U, and at least 9 credits of literature are required of majors and of all who wish to be recommended as teachers. Freshmen and sophomores may enter any course, except graduate, for which they have the prerequisite.

1-2, 3. *Elementary*.—Each of the courses 1, 2, 3 is repeated each quarter. No credit will be given for Span. 1 until 2 has been completed. Five credits a quarter; autumn, winter, spring.

4, 5, 6. *Reading of Modern Authors*.—Reading of some of the best works of the nineteenth century. Span. 4, 5, 6 may be combined with 7, 8, 9, making a five-hour course each quarter. Prerequisite, to Span. 4 is 3 or equivalent. Three credits a quarter; autumn, winter, spring.

7, 8, 9. *Grammar, Composition, Conversation*.—May be combined with Span. 4, 5, 6, making a five-hour course. Prerequisite to Span. 7 is 3. Span. 7 is prerequisite to 8. Two credits a quarter; autumn, winter, spring.

101, 102, 103. *Advanced Composition*.—Prerequisite, Span. 9. Three credits a quarter; autumn, winter, spring.

*Not offered in 1926-27.

104, 105. *Advanced Reading*.—Prerequisite Span. 6 and 9. Should be taken with Span. 101 and 102. Two credits a quarter; autumn, winter.

118, 119, 120. *Survey of Spanish Literature*.—Selected texts, collateral reading, lectures. Prerequisite, Span. 6. Two credits a quarter; autumn, winter, spring. Umphrey.

*121, 122, 123. *Spanish Novel*.

131. *Lyric Poetry*.—The mechanism of the modern lyrics, as a basis for comparison with older forms. Lectures. Reading and committing to memory some of the best modern lyrics. Prerequisite, Span. 104. Two credits; spring.

141, 142. *The Spanish Drama*.—The history of the drama in Spain from its beginning down to the present time. Winter quarter: the early period and the Golden Age. Spring quarter, the modern period, from 1700 to the present day. Representative plays will be read in class; others assigned for outside reading and reports. Prerequisite, Span. 104 or equivalent. Five credits a quarter; winter, spring. Umphrey.

159. *Advanced Syntax*.—Problems in syntax studied from the teacher's standpoint. Prerequisites, Span. 101, 102. Three credits; spring. Ober.

184, 185, 186. *Spanish American Literature*.—Representative writings of Spanish American authors. Collateral reading and reports. Lectures. Prerequisites, Span. 6 and 9. Three credits a quarter; autumn, winter, spring. Umphrey.

Teachers' Course in Spanish.—See Educ. 160U.

COURSES FOR GRADUATES ONLY

221. *Old Spanish Readings*.—Reading and linguistic study of the Poema de mio Cid and other Old Spanish texts. Five credits; autumn. Umphrey.

231. *Epic Poetry*.—The epic material in Old Spanish literature and its later treatment in poetry and drama. Topics are assigned for special investigation and report. Five credits; winter. Umphrey.

241. *Spanish Historical Grammar*.—Five credits; spring. Umphrey.

COMPARATIVE PHILOLOGY

The following courses in comparative philology are available in the department of Scandinavian Languages and Literature:

190-191. *Introduction to the Science of Language*.—Two credits; autumn, winter. Vickner.

192. *Life of Words*.—Two credits; spring. Vickner.

SCANDINAVIAN LANGUAGES AND LITERATURE

Denny Hall

Professor Vickner

1-2-3. *Elementary Swedish*.—Grammar and reading; composition and conversation. Courses 1-2-3 are so arranged that they may be taken with 4, 5, 6, making a five-hour course. Three credits a quarter; autumn, winter, spring. Vickner.

*Not offered in 1928-29.

4-5-6. *Swedish Reading Course for Beginners*.—Reading of easy texts. Supplementary to courses 1, 2, 3, but may also be taken separately by students desiring a reading knowledge of Swedish. No previous knowledge of Swedish necessary. Two credits a quarter; autumn, winter, spring.

10-11-12. *Elementary Norwegian-Danish*.—Grammar and reading; composition and conversation. Courses 10, 11, 12 are so arranged that they may be taken with 13, 14, 15, making a five-hour course. Three credits a quarter; autumn, winter, spring. Vickner.

13-14-15. *Norwegian-Danish Reading Course for Beginners*.—Reading of easy texts. Supplementary to 10, 11, 12, but may also be taken separately by students desiring a reading knowledge of Norwegian-Danish. No previous knowledge of Norwegian-Danish necessary. Two credits a quarter; autumn, winter, spring. Vickner.

*20, 21, 22. *Norwegian-Danish Literature*.

23, 24, 25. *Swedish Literature*.—Representative authors in connection with a survey of the Swedish literature. Prerequisite, ability to read easy Swedish. May be entered at the beginning of any quarter. Two credits a quarter; autumn, winter, spring. Vickner.

103, 104, 105. *Recent Swedish Writers*.—Representative founders of the nineteenth and twentieth centuries, including Strindberg, Fröding, Selma Lagerlöf. May be entered any quarter. Two credits a 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, Hamsun, Bojer. May be entered any quarter. Two credits a quarter; autumn, winter, spring. Vickner.

109, 110, 111. *Modern Scandinavian Authors in English Translation*.—Ibsen, Björnson, Strindberg, Selma Lagerlöf and Hamsun. Open to all. No knowledge of the Scandinavian languages necessary. May be entered any quarter. One credit a quarter; autumn, winter, spring. Vickner.

180, 181, 182. *Recent Scandinavian Literature in English Translation*.—The principal writers of recent Scandinavian literature will be read. Lectures, reports and discussion. No knowledge of the Scandinavian languages necessary. May be entered at the beginning of any quarter. Two credits; autumn, winter, spring. Vickner.

COURSES FOR GRADUATES ONLY

*201-202. *Old Icelandic*.

*203-204. *History of the Swedish Language*.

205-206. *Scandinavian Literature in the Nineteenth Century*.—Two credits a quarter; winter, spring. Vickner.

*208. *Scandinavian Lyric Poetry*.

*209. *History of Scandinavian Literature*.

COMPARATIVE PHILOLOGY

190-191. *Introduction to the Science of Language*.—General principles of linguistic development with special reference to English. Lectures and discussions. Prerequisite, some knowledge of one of the classical languages

*Not offered in 1926-27.

and of one modern foreign language or Old English. Two credits; autumn, winter. Vickner.

192. *Life of Words*.—Etymology and semasiology; growth of vocabulary; word values. Lectures, discussions, and exercises. Prerequisite, same as for courses 190-191. This course is a continuation of courses 190-191, but may be taken separately. Two credits; spring. Vickner.

SOCIOLOGY

Philosophy Hall

Professors Woolston, McKenzie; Assistant Professors Lundberg, Hayner, Bain; Associate Johnson; Assistant Schmid.

Sociology treats of the development, organization and functions of human groups. Its general purpose is to explain the relations of institutions; to stimulate a critical and constructive attitude toward programs of reform and to furnish a sound basis of information for intelligent citizenship. It prepares for advanced study, field investigation, teaching and administration in community and industrial welfare, law, diplomacy, journalism, public health and institutional management; and supplements specialized training along these lines.

Sociology is related to many problems treated in biology, psychology, history, economics, politics, education, home economics, and literature. Majors are urged to consult members of the department staff regarding their elections. Work in other departments may be essential for success in this field, and may, when approved, be credited toward advanced requirements. Students should consult the department of sociology leaflet for a list of basic and supplementary courses.

Students are advised to postpone work in sociology until lower division requirements in biology, psychology, economics and political science are completed. *Sociology 1 or its equivalent is prerequisite for those majoring or taking systematic work in the department, and satisfies minimum requirements in this subject. The following are fundamental for advanced work and should be taken by major students before electing special lines: Courses 55, 131.*

Further work is arranged along these lines:

A. Social Problems and Methods of Reconstruction offer prevocational instruction leading to two general lines of social work:

- (1) *Case and Group Work*
- (2) *Community Organisation*

B. Social Theory and Methods of Investigation offer preliminary training and background for vocational use as follows:

- (1) *Teachers of Social Science*
- (2) *Social Investigation.*

A plan for sequence of courses preparing for each of these lines of work may be found in the department of sociology leaflet.

For a major in sociology a minimum of 36 credits are required. At least 50 per cent of the hours in the major must be in upper division courses. Upper division courses should not be elected before such elementary work as instructors in special fields may suggest is completed. Courses numbered over 200 are for graduates. Advanced students are required to secure the approval of their program by the executive officer of this department before completing their registration. Graduate students must complete undergraduate requirements before being accepted as candidates for the master's or doctor's degree in sociology.

1. *Introductory Sociology*.—General survey of social relations, with discussion of the forces at work, practical problems and methods of solution.

Required of all students who major in the department. Fee, \$1.50. Five credits; autumn, winter, spring. Woolston.

55. *Human Ecology*.—Geographic and economic factors which determine the location and growth of communities. Types of communities, trade and market zones, significance of changing forms of transportation and communication, population selection and composition. Community structure; distribution and segregation of utilities and inhabitants. A background for the study of community problems. Five credits; autumn. McKenzie.

56. *The Family*.—A study of the family as a social group. The family among primitive peoples; the history of the family; the family in literature; the home; the modern family; the family and the community; the future of the family. Materials fee, \$1.50. Three credits; winter. Hayner.

57. *Child Welfare*.—Rights of childhood to health, education, recreation and protection and of measures now in use to secure them. Three credits; winter. Johnson.

58. *Neighborhood Resources*.—Programs offered through schools, churches, clubs, settlements, state, national, public and private agencies that are available to neighborhoods in preventing and meeting their social problems. Three credits; spring. Johnson.

59. *Group Organisation and Leadership*.—Psychological and social factors influencing conduct and the development of personality of adolescents. Bases of selection of activities, and principles underlying group organization and guidance. Analysis of methods of national programs. Three credits; autumn. Johnson.

61. *The Small Town*.—Setting, organization and collective behavior of minor urban groups. Pioneer industrial and commercial settlements in Washington. Three credits; spring. McKenzie.

62. *Public Recreation*.—Organization of indoor and outdoor amusements; public morality and the use of leisure. Three credits; spring. McKenzie.

63. *Community Organization*.—Evolution of informal and formal organization of life in ~~primary and secondary~~ communities. Personal and social forces determining community policy. Neighborhood and institutional disorganization. Case studies of conscious attempts at reorganization. Should be preceded by Soc. 55. Five credits; winter. McKenzie.

70. *Population*.—The distribution, composition, and mobility of population with particular attention to the Pacific Northwest. The ecology of population; vital tendencies; the problem of quality. Five credits; autumn. Hayner.

71. *Immigration*.—An ecological and cultural study of the movements of peoples. Immigrant heritages and the problem of assimilation. Use will be made of immigrant autobiographies and of monographs upon immigrant communities. Five credits; winter. Hayner.

72. *Race Contacts*.—A survey of race relations with particular reference to the American negro and to the Oriental on the Pacific Coast. Racial invasion, conflict and accommodation; the amalgamation and assimilation of races; public opinion and race prejudice. Five credits; spring. Hayner.

†103. *Problems of Maladjustment*.

105. *Industrial Groups*.—Survey of the conditions making for disharmonies of relationship between management and the worker. Case studies of social and individual experiments in industrial reorganization. Five credits; autumn. McKenzie.

†Offered in extension as a correspondence course.

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130. *Social Surveys*.—Methods of planning, conducting, and presenting results of investigations of communities and institutions. Critical consideration of current methods. Lectures, problems, field work. Five credits; autumn. Schmid.

131. *Social Statistics*.—Methods and sources for quantitative investigation, as applied to ethnography, demography, vital statistics, social maladjustment, and their related fields. Five credits; winter. Schmid.

132. *Social Aspects of Publicity*.—Technique of preparing and exhibiting sociological data pertaining to community problems. Publicity devices, exhibits, and campaigns. Five credits; spring. Lundberg.

150. *General Sociology*.—Major concepts of sociology and the scientific point of view in dealing with social phenomena. Open to upper division students who have had Soc. 1, or who have had a total of 10 hours in social science and psychology. Five credits; autumn. Bain.

151. *Social Conflict*.—Meaning, causes, types and significance of social conflict. Analysis of conflict situations. Five credits; winter. Bain.

152. *Social Control*.—Technique of corporate action—meaning, process and agencies of social control. Five credits; spring. Bain.

153. *Problems of Poverty*.—History of poverty and relief. Individual and social causes underlying destitution. Modern methods of approach to the problems of prevention and relief. Three credits; autumn.

154. *Charity Organization and Administration*.—Principles and problems of public and private relief administration. Units of administration and supervision. Survey and evaluation of current types of organization and administration. Three credits; winter.

155. *Social Legislation*.—History, principles, and trends of social legislation. Critical study of representative types of programs. Three credits; spring.

156. *Criminology*.—Social, economic and hereditary causes of crime. Study of the criminal and his group relations. Three credits; winter. McKenzie.

157. *Social Pathology*.—The social factors involved and the methods of dealing with physical defectiveness, feeble-mindedness, insanity, narcotics, alcoholism, prostitution, vagrancy. Five credits; winter. McKenzie.

158. *Personality Problems*.—Survey of the literature on personality; case studies of personality problems. Two credits; spring. McKenzie.

159. *Penology*.—Various theories and plans of prison reform; reformatory methods; rehabilitation of criminals. Three credits; spring. McKenzie.

160. *Liberty*.—Nature; frustration by physical and mental conditions; programs for advancement; possibilities of progress. Three credits; autumn. Woolston.

161. *Equality*.—Economic handicaps; charity; preventive measures; constructive philanthropy; radical programs. Three credits; winter. Woolston.

162. *Fraternity*.—Moral obstacles; vice, crime, and war; methods of repression; amelioration, and reconstruction of attitudes. Three credits; spring. Woolston.

171-172-173. *Social Work Practice I*.—Introduction to social work as a vocational field. Scope and principles. Two hours class work, twelve hours supervised field work with local agencies. Permission of instructor required for admission. Five credits; autumn, winter, spring. Johnson.

180. *Group Behavior*.—Structure and reactions of typical associations; crowds, assemblies, armies, unions, castes, etc. Prerequisite, 15 credit hours in psychology and sociology. Five credits; autumn. Woolston.

181. *Urban Habit of Mind*.—Conditions and typical responses of city life. Study of the effects of community contacts. Prerequisite as for 180. Five credits; winter. Woolston.

182. *National Traits*.—Similarities and differences between peoples with various political and cultural traditions; assimilation, patriotism, revolt, internationalism. Prerequisite as for 180. Five credits; spring. Woolston.

191-192-193. *Social Work Practice II*.—Methods of social work in a selected field. Two hours class; twelve hours supervised field work. Prerequisite, 171-172-173, or equivalent. Five credits; autumn, winter, spring. Johnson.

194. *Early Social Thought*.—Primitive times to St. Augustine. Social thought in China, Japan, India, Persia, Babylon, Palestine, Egypt, Greece, Rome, Peru, Mexico. Three credits; autumn. Bain.

195. *Middle Social Thought*.—To Spencer. Social thought in pre-Renaissance, Renaissance, Reformation, Revolution and Evolution periods. Three credits; winter. Bain.

196. *Recent Social Thought*.—Since Spencer. Emphasis on men now living in England, France, Germany, Russia and America. Conceptual approach; not chronological as in 194 and 195. Three credits; spring. Bain.

COURSES FOR GRADUATES ONLY

207-208-209. *Community Research*.—Original investigation of special community problems. Prerequisite, graduate standing. Two credits a quarter; autumn, winter, spring. McKenzie.

221-222-223. *Seminar*.—The purpose is to train in methods of original research and investigation. Two credits; autumn, winter, spring. Woolston.

ZOOLOGY

Science Hall

Professor Kincaid; Associate Professor Guberlet; Assistant Professors E. V. Smith, Miller

1-2. *Elements of Zoology*.—General review of zoological science, stressing the philosophic and economic aspects of the subject. Lab. fee, \$2. Five credits a quarter; autumn, winter, repeated winter, spring. Kincaid, Miller and Assistants.

3-4. *Pre-Medical Zoology*.—For students entering a medical course. Lab. fee, \$2. Five credits a quarter; autumn, winter. Guberlet.

5. *General Embryology*.—Comparative developmental history of animals, with emphasis on vertebrate forms. Prerequisite, Zool. 1-2, or 3-4. Lab. fee, \$2. Five credits; spring. Guberlet.

16. *Evolution*.—Lectures on the more important biological problems related to the general theory of evolution. Two credits; autumn. Kincaid.

17. *Eugenics*.—Principles of evolution in their relation to human welfare. Two credits; spring. Kincaid.

101. *Cytology*.—The structure and activities of the animal cell with

special reference to problems of development, sex-determination, and heredity. Prerequisite, Zool. 1-2 or 3-4. Lab. fee, \$2. Five credits; spring. Offered 1926-1927 and alternate years. Miller.

*102. *Experimental Zoology*.—An experimental study of the organism as a dynamic unit, including problems of development, growth and regeneration, and response to external factors. Prerequisite, Zool. 1-2 or 3-4. Lab. fee, \$2. Five credits; spring. Offered 1927-1928 and alternate years. Miller.

106. *Plankton*.—Classification, adaptations and interrelationships of the microscopic fauna of the sea. Field work in Puget Sound. Prerequisite, Zool. 1-2. Lab. fee, \$2. Five credits; autumn. Kincaid.

107. *Parasitology*.—Animal parasites. Prerequisite, Zool. 1-2 or 3-4. Lab. fee, \$2. Five credits; spring. Guberlet.

108. *Limnology*.—Classification and interrelationship of the organisms found in lakes and streams. Field work in the neighboring fresh-water bodies. Prerequisite, Zool. 1-2. Lab. fee, \$2. Five credits; spring. Kincaid.

111. *Entomology*.—The structure, classification and economic relations of insects. Prerequisite, Zool. 1-2 or equivalent. Lab. fee, \$2. Five credits; spring. Kincaid.

121. *Microscopic Technique*.—Methods of imbedding, sectioning and staining animal tissues. Prerequisite, Zool. 1-2 or its equivalent. Lab. fee, \$2. Three credits; winter. Guberlet.

127, 128. *Comparative Anatomy*.—Comparative structure of the vertebrate animals. Prerequisite, Zool. 1-2 or 3-4. Lab. fee, \$3.50. Five credits a quarter; autumn, winter. Offered 1926-1927 and alternate years. Miller.

*125, 126. *Invertebrate Zoology*.—The morphology, physiology, life history and habits of invertebrate animals, with special reference to the local marine fauna. Prerequisite, Zool. 1-2 or 3-4. Lab. fee, \$3.50. Five credits a quarter; autumn, winter. Offered 1927-1928 and alternate years. Miller.

**155-156-157. *Elementary Problems*.—Students will be assigned minor problems under direction of an instructor in the department. Prerequisite, twenty hours in zoology or physiology. Lab. fee, \$2. Three credits; autumn, winter, spring. Staff.

Teachers' Course in Zoology.—See Educ. 160Z.

COURSES FOR GRADUATES ONLY

201-202-203. *Research*.—Students capable of carrying on independent work will be assigned problems under direction of an instructor. Prerequisite, twenty-five hours of zoology. Credit to be arranged. Staff.

205, 206, 207. *Advanced Problems*.—Designed especially for graduate students working for the doctor's degree. Hours and credits to be arranged. Staff.

210, 211, 212. *Seminar*.—Reports and discussions of current zoological literature. The history of zoology. One credit; any quarter. Staff.

PHYSIOLOGY

6. *Elementary Physiology*.—Human structure and function, designed to meet the needs of students in pharmacy. Lab. fee, \$2. Five credits; autumn. Smith.

*Not offered in 1926-27.

**Will be given if a sufficient number of students elect the course.

7. *Elementary Physiology*.—Structure and functions of the human body, with special emphasis on metabolism, and the nervous and vascular systems. Lab. fee, \$2. Five credits; spring. Smith.

20. *Service Course for Nurses*.—A special course for hospital students. Two credits; autumn, spring. Smith.

53, 54-55. *Physiology*.—Adapted to meet the requirements of students expecting to teach the subject in high school. Required of students majoring in physical education and nursing; recommended for students in dietetics and in sanitary science. Lab. fee, \$3.50. Five credits; autumn, winter, spring. Smith.

115. *Principles of General Physiology*.—Application of the laws of physics and chemistry to physiological processes. Prerequisite, one year each, zoology, chemistry and physics. Lab. fee, \$2.50. Five credits; winter. Smith.

151-152-153. *Advanced Physiology*.—Arranged for students in medicine and advanced students who wish to make a careful study of experimental methods. Prerequisites, Zool. 1-2, Chem. 21-22-23 and Phys. 1-2-3; autumn, winter, spring. Smith.

SUMMER QUARTER

Alexander C. Roberts, Ph.D.....Dean

Facilities.—The summer quarter is an integral part of the University year and its courses coordinate with the other quarters. It offers especial opportunities for teachers and others whose regular work is suspended during the summer months.

By the four-quarter plan regular students are able to take their vacations during any quarter of the year, or by attending the four quarters each year they may complete the college course in three years. Regular work is offered in the Colleges of Liberal Arts, Science, Fine Arts, Business Administration, the Graduate School, Schools of Education, Journalism and Law, and in the Pre-medical course. The Puget Sound Biological Station at Friday Harbor maintains a session of nine weeks. In 1927 this will begin June 21 and end August 20. The laboratories and libraries 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, (b) courses for advanced undergraduates, and (c) courses for graduate students. In a large number of cases, heads of departments are in charge of the work. In addition to regular members of the faculty prominent teachers from outside the University give courses.

For Whom Intended.—Besides regular undergraduate work in the various colleges 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, domestic science, drawing and other special fields of work, who 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 is placed on this important phase of education. The city of Seattle and the public schools 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 and wish to become familiar with the University before that time. High school pupils find this a very advantageous plan.
9. Persons desiring training in child welfare work, social workers, Y. M.C.A., 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 of 1927 may be completed on or before Tuesday, June 14. Students expecting to be in attendance during the last six weeks only may register on or before Thurs-

day, July 21. Students should go first to Administration Hall, where notices will be posted giving the order of procedure in registration. Students may, with the consent of the registrar, register by mail. Write for application form.

Students desiring to enroll in any college or school of the University will be assigned by the registrar to the deans of the respective divisions for assistance in election of studies; those not intending, at the time, to become candidates for graduation will be assigned to the dean 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, certification, transient, 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 examinations during the closing week of each term.

Amount of Work Registered For.—No student shall be registered for less than 12 hours nor more than 16 hours except by consent of his dean. With the consent of his dean a junior or senior whose previous scholastic record has been exceptionally good may be registered for a maximum of 10 hours for either term, or 18 hours for entire quarter.

Persons expecting 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 twenty dollars (\$20) is required of all students, and admits to all the privileges of the summer quarter, except certain laboratory courses and to special music courses requiring individual instruction. (See the statements of these courses for the special fees.) No reduction of fees will be made because of late registration or early withdrawal. Open lectures are free to all students regularly registered in the summer quarter and to the public.

Master's Degrees Through Summer Quarters.—At each succeeding summer quarter a large number of graduate students are in attendance. Last summer about 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 36 weeks of residence in summer quarters as a fulfillment of the year of required residence.

Home Study Courses.—The University has established home study 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 or the advanced degrees. The correspondence work can be advantageously planned as a continuation of the regular summer quarter. For detailed information concerning correspondence courses communicate with the Extension Service.

Education.—The summer quarter and the School of Education stand in very close relations to each other. Those who plan to obtain a degree, or a normal diploma, through the School of Education can accomplish much in summer quarters.

Business Administration.—An interesting curriculum of business courses is offered in the summer quarter for students who contemplate going into business. These courses are along the 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 Editorial Secretary, University of Washington. For other information address A. C. Roberts, Dean of the Summer Quarter.

PUGET SOUND BIOLOGICAL STATION

FRIDAY HARBOR, WASHINGTON

Theodore Christian Frye, Ph.D.....*Director*

The Puget Sound Biological Station is near Friday Harbor, Washington, the county seat of San Juan county. The population of the town is approximately 400. It is between Bellingham and Victoria, 30 miles from the former and 20 from the latter, in a direct line. The Station site is about a mile from the town by water, and about two miles by land. The town contains a bank, drug store, butcher shop, bakery, hardware store, garage, and a number of grocery and other stores; so one can make ordinary purchases there.

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. In the sandstone are occasional beds of fossils, notably on the Sucia Islands. On Waldron Island and the Sucia Islands the sandstone was formerly 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 island, and therefore the water is exceptionally free from river detritus. Through the channels between the islands the tides rush at time with a velocity of seven to ten miles an hour, filling and again draining the Gulf of Georgia. The gulf is a body of water roughly 100 x 20 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 of erosion deposits, the water is constantly aerated and changed, and a good habitat for water forms insured. Some of the channels are 100 fathoms deep, thus affording opportunity for the study of forms and 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.

Grounds and Buildings.—The site consists of 485 acres north of the town. Fresh water is piped in, and salt water is pumped from the sea. The laboratories are only a few yards from high tide. Four laboratories, about 24 x 56 feet, are completed. These are built of cement, hollow tile, plaster, and roofing tile. They are permanent and practically fireproof. A kitchen and dining room, permanent in structure, accommodating 200, was built in 1924. The dining room also serves as a library.

Stockroom.—Compound microscopes of simple make are supplied for class use from the University of Washington. Certain ordinary glassware, containers, and preservatives may be secured at the stockroom. It is the aim to have in the stockroom the things ordinarily called for. Unusual things cannot be supplied. Those wishing special apparatus should write to the director. Rowboats are on hand for general use. It is best for research workers to bring their own microscopes. Instructors, assistants and students alike are charged with whatever they draw out of the stockroom.

The Station owns its own trawling boat, the gift of Robert Moran, of Rosario, Washington.

GENERAL INFORMATION

Lectures.—General lectures by the station staff or by visitors are given as the occasion arises.

Registration.—Experience has shown that it is wiser to register for one University course only, and all work is planned on that basis. Advanced students have found it profitable to begin some line of investigation in the same field in which they are carrying a course. All registration is at the Station.

Credit.—Students giving their whole time to the work may earn 13 credits in 9 weeks. All University credit is recorded in the Station books in per cent; 70% is the minimum for passing. Credits may be transferred directly from the Station books.

Expenses.—The first three items are for the whole term or any part thereof:

Tuition fee (Normal Courses \$15.00).....	\$20.00
General laboratory fee.....	5.00
Tent, two or more per tent, each.....	6.50
Board, \$5.50 per week in advance.....	49.50
Stockroom, breakages, etc., (estimate).....	3.00
Books (estimate)	2.00
Incidentals (estimate)	5.00
Total.....	<u>\$91.00</u>

The tuition goes toward paying the running expenses; the laboratory fee is for the maintenance of the equipment.

For persons occupying the research rooms the total Station fee is \$50, covering tuition and laboratory fees.

The tents are mostly 10x12 feet, on board platforms with three-foot board wall, making the lowest part about five feet. Included in the rent are bed springs or cots, mattresses, camp chair, bucket, wash basin, and drinking cups. During the time before and after the session the rental is \$1 a week, and the general fee is \$1 per week. Kerosene stoves may be rented for \$2.50 for the season. Bedclothes and pillows are not furnished, but they may be bought at the village. Persons coming to the Station should bring a sufficient supply of bedding for cold nights. A deposit of \$6.50 reserves half of a tent for the 9 weeks. The tent sites are not equally desirable; and sometimes the demand exceeds the supply, but there has always been room in the village.

The combination living room, library and dining hall is 35x82 feet, with two alcoves for books, and seats 200 at meals. The floor is maple. Connected are kitchen and baths with cemented floors. The dining service is managed by the University of Washington Commons.

Library.—The library contains about 1200 volumes, of which about 210 are bound volumes of reprints. A limited number of books are shipped to the Station every summer from the University of Washington.

For bulletin of the Puget Sound Biological Station address the Editorial Secretary, University of Washington. For other information address T. C. Frye, Director of the Puget Sound Biological Station, University of Washington, Seattle.

THE UNIVERSITY EXTENSION SERVICE

OFFICERS OF ADMINISTRATION AND INSTRUCTION

Henry Suzzallo, Ph.D. (Columbia), LL.D. (California), LL.D. (British Columbia) .*President of the University*
David Thomson, B.A. (Toronto).....*Dean of Faculties*
Alexander C. Roberts, Ph.D. (Washington).....*Director of the Extension Service*

THE FACULTY, 1926-1927

The Extension faculty is composed of members of the general faculty who give extension courses and of the following instructors on the Extension staff:

William Bennett Henderson, A.B. (Princeton), LL.M. (George Washington).....*Lecturer on Business Administration*
Emuel Jacob Foreman.....*Lecturer on Water Transportation*
Alletta Maria Gillette, A.B. (Smith), A.M. (Washington).....*Instructor in English*
H. Dealy Dvorak, A.M. (Clark), Ph.D. (Brown).....*Instructor in Education*
R. M. Rutledge, B.A.....*Associate in Business Administration*

OFFICE STAFF

Mary C. Grady.....*Office Manager*
Corinne B. Babcock.....*Secretary in charge of Seattle City Office*
Edna Hindman, A.B.....*Secretary for Home Study*
Florine Bingham.....*Stenographer*

EXTENSION SERVICE

The Extension Service of the University of Washington provides university instruction by mail and in extension classes and lectures for those who cannot give full time to university study.

This service was organized in 1912. More than fifteen thousand students have been enrolled, a large number of whom have earned credits through extension study toward a university degree. Others have taken this work for the practical business values, greater professional and technical skills, and purely cultural satisfactions of wider reading and finer appreciations.

The Extension Service presents for 1926-1927 the following activities:

- | | |
|---------------------------|-------------------------------|
| 1. Evening Campus Classes | 4. Graduate Medical Lectures |
| 2. Off Campus Classes | 5. Graduate Nurses' Institute |
| 3. Home Study | 6. Firland School for Nurses |
| | 7. Navigation School |

About three hundred and fifty courses are available either through correspondence or in classes at moderate fees. This Service is an integral part of the University, and is maintained by the State for educational services to those engaged in gainful employment but who desire to pursue advanced study.

UNIVERSITY CREDIT

Most of the courses at present offered by correspondence may be taken by properly qualified students for credits toward a university degree. Applicants for enrollment wishing to take courses for credit should send their credentials for entrance to the University, with their application, if these credentials are not already on file with the Registrar of the University. Credit work is of course subject to all rules and regulations of the University that are applicable. The work must be thorough, must show creditable grade and must be completed within a reasonable time, which is estimated to be not more than one year for five credit courses and proportionally less for shorter courses.

These qualifications are clearly stated, so that there may be no disappointment from expectations that cannot be fulfilled of an easy road to a degree. Home study is not such a road. It is slow and laborious; but it is worth all the time and money that it costs if considered from the standpoint of its value in scholarship, the pleasure that may be had from this mode of using one's time, and the widening of the horizon of one's mind.

HOME STUDY COURSES AND UNIVERSITY DEGREES

Students who are unable to spend in residence the full number of years required for a university degree may take as many as half of the required credits for graduation through Home Study, provided that not less than one year of work is done in residence at the University of Washington. For such Home Study courses, the student should plan well in advance and with the advice of University authorities. The studies required in the freshman and sophomore years are more largely available for Home Study. Therefore, to make a combination of Home Study and residence study, students should plan for the first rather than the latter part of the University course in Home Study.

Requirements for the University life diploma may be satisfied in part by Home Study credits.

Nine credits may be earned in approved Home Study courses toward the master's degree.

TUITION FEES

Moderate fees have always been charged by the University of Washington for extension instruction. It is proper that the individual directly benefited should pay his part toward the support of this work. The following requirements and conditions should be thoroughly understood:

Fees are due and payable at the time of enrollment and no fees are refunded except upon rejection of the student or failure to give the course. Enrollment constitutes an agreement on the part of the student to complete the course and he must take the responsibility for any failure on his part to do it.

Fees are based upon a uniform charge of \$4 per credit hour. Extension courses cost therefore: \$8 for a two-hour course; \$12 for a three-hour course; \$16 for a four-hour course; \$20 for a five-hour course.

HOME STUDY COURSES

The number and subjects of courses offered for Home Study vary from time to time. There are three hundred courses in nearly ninety subjects now organized. Present plans call for the development of the Home Study curricula to a total of more than three hundred fifty courses. Many courses have been offered for several years; others are entirely new. All have been adjusted to the special needs of Home Study students.

Home Study Courses of Instruction.—Anthropology, astronomy, botany, chemistry, classical languages and literature, dramatic art, economics and business administration, education, engineering, English language and literature, geology, Germanic languages and literature, history, home economics, hygiene of maternity and infancy, journalism, mathematics, music, navigation, nursing, Oriental history, literature, and languages, painting, sculpture and design, philosophy, political science, psychology, Romanic languages and literature, Scandinavian languages and literature, sociology, zoology.

The University reserves the right to change this list without notice. Faculty changes, the publication of new textbooks, changes in the material to be emphasized may compel the withdrawal or shifting of courses. It is planned to keep the list of courses revised and as nearly permanent as circumstances warrant.

GRADUATE MEDICAL LECTURES

In cooperation with the Washington State Medical Society and the King County Medical Society, the tenth Graduate Medical Lectures were held July 19 to 23 inclusive, 1926. The lecturers were George Dock, physician, member of staff of Hollywood Hospital, St. Vincent's Hospital and Pasadena Hospital; Fred Wharton Rankin, surgeon, Mayo clinic; William Frederick Braasch, urologist, Mayo clinic.

FIRLAND COURSES IN PUBLIC HEALTH NURSING

In cooperation with the authorities of the Firland sanatorium, the courses for Graduate Nurses in 1926 have enrolled from 25 to 30 students in each of the classes offered through the Extension Service. A two-year curriculum covering 20 credits of advanced University work is offered.

GRADUATE NURSES' INSTITUTE

In cooperation with the Washington State Graduate Nurses' Association, the Washington League of Nursing Education and the State Public Health Nurses' Organization, the Extension Service conducted the third Graduate Nurses' Institute July 12 to 16, inclusive, 1926. The faculty consisted of Elizabeth A. Greener, R.N., superintendent of Mount Sinai Hospital, New York City; Elnora Thomson, R.N., director of the Far Western Extension office, American Child Health Association; Hugh M. Woodward, Ph.D., professor of education, Brigham Young University, Utah; Arthur Evans Wood, Ph.D., associate professor of sociology, University of Michigan, Ann Arbor, Michigan.

HYGIENE OF MATERNITY AND INFANCY

The Extension Service cooperates with the Washington State Department of Health, Division of Child Hygiene, and the Children's Bureau of the United States Department of Labor, in conducting a course in the Hygiene of Maternity and Infancy. This is a home study course in which more than 200 have enrolled during the year 1926.

OFFICE OF THE EDITORIAL SECRETARY

Matthew O'Connor, M.A. *Editorial Secretary*
 Harriett Westmoreland *Assistant*

All official publications of the University of Washington are issued under the direction of the editorial secretary. The following publications have been issued:

The Puget Sound Biological Station Series, three volumes.

The University of Washington Publications, as follows:

Anthropology.—Vol. 1, No. 1. The Whaling Equipment of the Makah Indians, by T. T. Waterman. No. 2. The Distribution of Kinship Systems in North America, by Leslie Spier. No. 3. An Analysis of Plains Indian Parfleche Decoration, by Leslie Spier. No. 4. Klallam Forl Tales, by Erna Gunther.

Botany.—Vol. 1, No. 1. Production of Root Hairs in Water, by Ethel M. Bardell.

Fisheries.—Vol. 1, No. 1. Preserved Pickled Herring, by Clarence Louis Anderson. No. 2. Field Characters Identifying Young Salmonoid Fishes in Fresh Waters of Washington, by Donald R. Crawford. No. 3. Synostosis in the Spinal Column of the Rainbow Trout, by Donald R. Crawford. No. 4. A Study of the Gases in Canned Foods, by Ray W. Clough, Oscar E. Shostrom, Ernest D. Clark. No. 5. Notes on the Presence of Indol in Sea Foods and other Food Products, by Ray W. Clough, Oscar E. Shostrom, Ernest D. Clark. No. 6. Iodine Content of the Pacific Coast Salmon, by Norman Donald Jarvis, Ray William Clough, Ernest Dunbar Clark. No. 7. Biochemical Study and Proximate Composition of Pacific Coast Crabs, by Carl R. Fellers and Clarence T. Parks. No. 8. Bacteriological Investigations on Raw Salmon Spoilage, by Carl R. Fellers. No. 9. Canned Salmon: A Five-Year Correlation Study of Certain Quality Factors, by Carl R. Fellers, Ernest Dunbar Clark, Ray W. Clough.

Geology.—Vol. 1, No. 1. Tertiary Faunal Horizons of Western Washington, by Charles E. Weaver. No. 2. Paleontology of the Oligocene of the Chehalis Valley, by Katherine E. H. Van Winkle. No. 3. Fauna from the Eocene of Washington, by Charles E. Weaver and Katherine Van Winkle Palmer. No. 4. Foraminifera from the Eocene of Cowlitz River, Lewis County, Washington, by Dallas Hanna and Marcus Hanna.

Language and Literature.—Vol. 1. The Poems of Henry Howard, Earl of Surrey, by Frederick Morgan Padelford. Vol. 2. Spencer's Use of Aristotle for Allegory, by Susannah Jane McMurphy. Vol. 2, No. 2. Thomas Dekker: A Study in Economic and Social Backgrounds, by Kate L. Gregg. Vol. 3. A Critical Edition of Ford's Perkin Warbeck, by Mildred Clara Struble. Vol. 4. No. 1. A Bibliography of Chaucer, 1908-1924, compiled by D. D. Griffith. No. 2. Adam, translated by E. N. Stone.

The Publications in Language and Literature include studies in the various languages and literature, ancient and modern, represented at the University. The series replaces and absorbs The Publications in English, of which the following volumes have appeared:

Vol. 1. Uno Linderlof's Elements of the History of the English Language, translated by Robert Max Garrett. Vol. 2. The Political and Ecclesiastical Allegory of the First Book of the Faerie Queen, by Frederick Morgan Padelford. Vol. 3. Johannes Steenstrup's The Medieval Popular Ballad, translated by Edward Godfrey Cox. Vol. 4. The Pearl: An Interpretation, by Robert Max Garrett.

1 Resigned, June 1, 1926.

Mathematics.—Vol. 1, No. 1. An Arithmetical Theory of Certain Numerical Functions, by Eric Temple Bell. No. 2. Cyclic-Harmonic Curves: A Study in Polar Coordinates, by Robert E. Moritz. No. 3. Five Studies in Mathematics, by E. T. Bell, A. F. Carpenter, Robert E. Moritz, L. I. Neikirk, R. W. Winger.

The Social Sciences.—Vol. 1, No. 1. Studies in Matriculation Statistics, Intelligence Ratings and Scholarship Records at the University of Washington, by Alexander Crippen Roberts. No. 2. Causation and the Types of Necessity, by Curt John Ducasse. Vol. 2. No. 1. Tiberius Caesar and the Roman Constitution, by Olive Kuntz. No. 2. The Logical Influence of Hegel on Marx, by Rebecca Cooper. Vol. 3. No. 1. A Study of Mobility of Population in Seattle, by Andrew W. Lind.

The University of Washington Engineering Experiment Station Series as follows:

No. 1. Creosoted Wood Stave Pipe and Its Effect Upon Water for Domestic and Irrigational Uses. (Bureau of Industrial Research.) No. 2. An Investigation of the Iron Ore Resources of the Northwest, by William Harrison Whittier. (Bureau of Industrial Research.) No. 3. An Industrial Survey of Seattle, by Curtis C. Aller. (Out of print.) (Bu. Ind. Res.) No. 4. A Summary of Mining and Metalliferous Mineral Resources in the State of Washington with Bibliography, by Arthur Homer Fischer. No. 5. Electrometallurgical and Electrochemical Industry in the State of Washington, by Charles Denham Grier. No. 6. Ornamental Concrete Lamp Posts, by Carl Edward Magnusson. No. 7. Multiplex Radio Telegraphy and Telephony, by F. M. Ryan, J. R. Tolmie, R. O. Bach. No. 8. Voltage Wave Analysis with Indicating Instruments, by Leslie Forrest Curtis. No. 9. The Coking Industry of the Pacific Northwest, by Joseph Daniels. No. 10. An Investigation of Compressed Spruce Pulleys, by George Samuel Wilson. No. 11. The Theory of Linear-Sinoidal Oscillations, by Henry Godfrey Cordes. No. 12. Motor Truck Logging Methods, by Frederick Malcolm Knapp. No. 13. Tensions in Track Cables and Logging Sky-lines, by Samuel Herbert Anderson. No. 14. Current Suppression by Means of Parallel Resonance, by Henry Godfrey Cordes. No. 15. Electric Heating of Residences, Part I, by Edgar Allan Loew. No. 16. Sewage Disposal for Suburban Homes and for Isolated Institutions, by William Franklin Allison. No. 17. Transmission Line Design, Part I. Mechanical Features, by Frederick Kurt Kirsten. No. 18. The Clays and Shales of Washington, by Hewitt Wilson. No. 19. The Chemical Utilization of Wood in Washington, by Henry Kreitzer Benson, Thomas Gordon Thompson and George Samuel Wilson. No. 20. Electric Heating of Residences, Part II, by Edgar Allan Loew. No. 21. Experimental Data on Relative Cost of Gas and Electricity for Cooking, by Martha Estella Dresslar. No. 22. An Analysis of the Weir Coefficient for Suppressed Weirs, by Charles William Harris. No. 23. The Electrostatic Electromagnetic Conversion Factor, by Loyal Vivian Bewley. No. 24. Characteristic Surfaces of Thermionic Valves, by Jack Tolmie. No. 25. Development of Influence Lines as Applied to Statically Indeterminate Airplane Beams, by Robert James Marshall and Frederick Burt Farquharson. No. 26. Hydro-Electric Power in Washington, Part I. A Reconnaissance Survey, by Carl Edward Magnusson. No. 27. A Comparative Test of the Flow of Water in 8" Concrete and Vitrified Clay Sewer Pipe, by Elgin Roscoe Wilcox. No. 28. A Study of Coal Washing Problems of the Pacific Northwest, by Earl Renwick McMillan and Byron Matthew Bird. No. 29. Transmission Line Design, Part II, Mechanical Design of Spans, by George Sherman Smith. No. 30. Oscillographic Determination of the Thermionic Triode Static Characteristics, by Albert Kalin. No. 31. Lowering the Cost of Concrete in the Pacific Northwest, by Ira Leonard Collier. No. 32. Transmission Line Design, Part II, Electrical Features. A Line of Maximum Economy, by

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The periodical publications include:

The Washington Historical Quarterly.

The Washington Newspaper (published each month for the newspaper profession of the state).

The University of Washington Bulletin, General Series, including the bulletins of the various colleges and schools, the General Catalogue, the Summer Quarter Bulletin, and the University Directory, each of which is published annually.

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PHILOSOPHY

BLAKE, RALPH M.

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PHYSICAL EDUCATION

ANDERSON, LOU E.

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HALL, DAVID C.

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ANDERSON, S. HERBERT

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POLITICAL SCIENCE

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PSYCHOLOGY

SMITH, STEVENSON

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PATZER, OTTO

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BAIN, READ

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HAYNER, NORMAN S.

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LUNDBERG, GEORGE A.

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WOOLSTON, HOWARD B.

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ZOOLOGY

GUBERLET, JOHN E.

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MILLER, ROBERT C.

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SMITH, E. VICTOR

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DEGREES

DEGREES CONFERRED JUNE 15, 1925

BACHELOR DEGREES

COLLEGE OF LIBERAL ARTS

BACHELOR OF ARTS

Abell, Charles H. ^A	DeShazo, Melvin Gardner ^D (<i>summa cum laude</i>)
Agee, Dora Leola ^M	Dickson, Robert Wells ^M
Akins, Marian Louise	Dimmitt, Lorris Myrvin ^A
Albaugh, Dorothy Gertrude ^M (<i>cum laude</i>)	Doane, Lucile J. ^A
Aldwell, Doreen E. M. (<i>cum laude</i>)	Donley, Eleanor Florence
Anderson, Alma Carolyn	DuBois, Kinsley Lockwood
Anderson, Elizabeth Jane	
Anderson, George D.	Eagleson, Margaret Elliott
Armin, Julia E	Evans, Margery Carlota
Atwood, Stanley Freeman ^D (<i>cum laude</i>)	
	Felch, Margaret
Bailey, Dorothy Baily ^A	Ferguson, Walter Verne
Balthaser, Gerald V.	Ferry, Edward Payson ^D
Barlow, Frances Marie	Finke, Mabel Lerene ^D
Barlow, Lewis Leland ^A	Fisher, Louis Donald
Beck, N. B. Jr. ^D	Forrest, Veda ^D
Bendetson, Selma Ada	Forsyth, Frances White ^A (<i>magna cum laude</i>)
Benham, Dorothy (<i>magna cum laude</i>)	Framo, Angel Devera ^A
Bereiter, Marvel Naomi ^M	Freise, Ernestine ^D
Bethel, Virginia Ramsay ^M	Funakush, Sakaye ^D
Black, Julia Kathryn	
Blaine, Louisa Hubbard (<i>cum laude</i>)	Ganders, Mary Louise ^A (<i>magna cum laude</i>)
Blanchard, Mary ^A	Gannon, Edward ^A
Blaxill, Verna Howard ^D	Gardineer, Marian Florence
Bloxom, John Megrath (<i>cum laude</i>)	Gilmore, Constance
Bolderston, Constance Bennett ^D	Goodwin, Frank Stier
Bonnefond, Raymond Edward ^A	Gowen, Felicia Joyce ^M (<i>cum laude</i>)
Boutelle, Virginia Scranton	Grafft, George Harold ^M
Brassington, Dorothy Helen	Griffin, Frederic P. (<i>cum laude</i>)
Brooks, Bernice Norma ^A	Guilford, Madeline ^M
Brossoit, Havana (<i>cum laude</i>)	
Brown, Henry James ^A	Haggett, Dorothy Gene ^A (<i>magna cum laude</i>)
Byles, Chester N.	Hambleton, Edith Louise
	Hand, Hope ^D
Campbell, Maurine Prescott ^M	Hanson, Alice C.
Carney, Elvin P. ^M	Harmon, Robert
Caulkins, Alice Estelle	Hart, Harriett Katharine ^M
Childs, Harry J.	Haskin, Emma Helen ^D
Cline, Denzil Cecil ^D (<i>cum laude</i>)	Hatton, Ruth Genevieve ^A
Cole, Frances Mary	Hayden, Mary Dyer ^M
Combs, Dorothy June	Hennessey, Mabel A. ^A
Coventry, Edwin James ^D (<i>magna cum laude</i>)	Herr, Jewell Kathryn ^D
Cullinan, Nicholas Cecil	Herrick, Winifred Leigh
	Hiersch, Wilhelmina A.
Daubenspeck, Marion Henderson ^A	Hillman, Herbert
Davidson, Dorothy Beatrice	

The persons whose names are followed by the superior letters A D M received their degrees in the quarters of 1924-1925 ending in August, December and March respectively; all others in June, 1925.

- Hoag, Clarice^A
 Hobi, Helen M.
 Hocking, Lillian Katherine (*cum laude*)
 Houser, Vera Allen^M
 Howard, Frances Hyde
 Hower, Melba May
 Hoyt, Marguerite Marie
 Hoyt, Verna Margaret^M
 Hu, Tao-Wei^A (*magna cum laude*)
 Hunt, Norma Evelyn
 Hurspool, Evelyn^D
 Hutcheson, Elwood
- Jackson, Betty^A
 Jacobson, Olga G. L.
 Jardine, Nan Thompson
 Jessup, Clara Belle
 Johnson, Anna Elizabeth^A (*cum laude*)
 Johnson, Isyl Florence^A
 Johnson, Jeanette Elizabeth
 Johnston, Bertha Helen M.^D
- Kelley, Curtis^A (*magna cum laude*)
 Kelly, Norman Miller
 Ketcham, Laura
 Kimura, Koreaki^D
 King, John Lawrence
 Knapp, Joseph Allen^A
 Krengel, Walter Franklin
 Kuykendall, Berdina
- Lathrop, Alice P.^A
 Latimer, Walter B.^A
 Lawrence, Arta F.
 Lea, Dorothy Marie^A
 Levinson, Jack Jerome^A (*magna cum laude*)
 Levinson, Samuel Lewis^M
 Lewis, Josephine
 Lindquist, Irene Elizabeth^M
 Linn, Harold A.^A
 Lipsky, Beth Marie
 Liston, Edward John^A
 Livingston, Louis Smith
 Loacker, Waldemar John^M
 Long, Agnes^A
 Lucas, Marian McArthur
 Lucas, Helen Mary
- McBee, Marian Frances
 MacDonell, Ruby Caroline
 McDonough, Raphael Christopher
 McGill, Eleanor^D
 McKay, Annie Laurie^A
 Manard, Lucille Alice^A
 Martin, Earl B.^A
 Mason, Lelia Lindsay^D
 Meekhof, Mynerd
 Metcalf, Thelma Berniece
 Miley, Louise
- Miller, Beatrice Katherine
 Miller, Charlotte Elizabeth^A (*magna cum laude*)
 Miller, Mervyn Bernard
 Miller, Vera Winona^A
 Minter, Laurabelle
 Mitchell, Mary Louise^D
 Myers, Thomas Franklin
- Neely, Charles Bertis^D
 Neville, Laura May
 Nichols, Mary Ulanah
 Nishinoiri, John Isao^M
 Norie, Mary Elizabeth (*magna cum laude*)
 Notkin, Natalie B.^A
 Nusbaum, Dean E.^M (*cum laude*)
- Ochs, Martha Elizabeth^A
 Olson, Genevieve
 Olson, Ronald Leroy^M (*magna cum laude*)
- Peck, Ruth Elizabeth^A
 Pelz, Gladys Irene^M
 Peters, Henry William
 Petersen, Irene
 Peterson, Inez H.^A
 Phelps, Ellen
 Phillips, Alfred Barron^A
 Phillips, Walter Thomas (*magna cum laude*)
 Polacheck, Edna Gertrude
 Pollard, Eugenie^M
 Poyneer, Almeda Marie
 Prichard, James Milton^A
- Rader, Melvin Miller (*magna cum laude*)
 Reisdorf, Mary Elizabeth
 Richards, Ruth
 Robinson, John Stringham
 Robinson, Rose
 Rognon, Esther Berleo
 Roll, Dorothy Bates^D
 Ross, George William^M
- Saunders, Marye Ceceil
 Saylor, Charles D.
 Sayles, Helen Elizabeth
 Scates, Ivan Goodwin^M
 Schlarb, Jack^A
 Schmid, Calvin Fisher (*cum laude*)
 Schmitt, Mildred Mary
 Schnasse, Gertrude^A
 Schofield, Robert Hartwell Colver
 Schram, Catherine
 Sealls, Margaret Carolyn
 Seelye, Helen Levancia
 Shafer, Herbert
 Shaw, Clayton B. (*cum laude*)

Shaw, Mary Frances
 Shaw, Samuel Edward
 Slusher, Charlotte Bartlett^A
 Smith, Dorothy Alice (*cum laude*)
 Smith, Mary Adelaide
 Snyder, Hart^D
 Stapleton, Margaret L.^A (*magna cum laude*)
 Stephens, Mildred Beckwith
 Stevenson, Robert John^M
 Stewart, Paul Revere^A
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 Stixrud, Thora Louise^A
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 Whitworth, Sidney Edwin^A
 Williams, Mentor Lee
 Williams, Roberta Friday
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Charlesworth, Grace^M
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Cooke, Huldah Agnes^DMacLaughlin, Margaret^A
Mares, Lillian Emily
Mathews, Elizabeth Josephine
Mulhern, Helen

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Raichle, Katherine B.
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Smith, Janet Sarah^A
Stephens, Inga Agnes^AFloyd, Lucy Lena^MWyers, Marie^A

Heron, Nellie Sutherland

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Serrano, Bartolome^D

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Morris, Katherine Waldron

Schnitzlein, Anita^AKeller, Bertha Mae^A

Thode, Elizabeth Turner

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Bragdon, Wynne Elizabeth^B
Bray, Ruth Arvesta
Brown, Florinda^B
Burke, Nellie Charlotte

Chumlea, Leland H.^A
Clarke, Mary Lodema
Coke, Martha Evelyn

Dahl, Florence^A
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Daws, Ethel Leota^M
Deits, Harry Lou^A
Dobson, George Robert
Drager, Gertrude M.
Dragoo, Bessie Rose

Earnest, Robert Roy^A
Elberson, Ruth Mae

Foster, Philip Robert

Gailey, Helen^B
Gatton, Dorothy
Geist, Marian E.
Goodrich, Haven Ginn^A
Goon, Lillian^A
Grebe, Edna Juanita
Griffin, Lois M.
Guernsey, Rollin Nau

Haeske, Carroll Michael^A
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Halversen, Kendall
Harter, Genevieve Wells
Hartt, Bertha Mary^B (*cum laude*)
Hornstra, Fred H.^A
Horst, Hazel^A (*magna cum laude*)
Hugulet, Zeline
Huston, Jessie Victoria

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Kuppler, Virginia F.^M

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Louden, Russell^A
Lowman, Vivien Guy

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McCorkill, Minnie V.^A
McGrath, Doris
McNamara, Mary
Madden, Helen Imogene^A
Mallery, Mildred McClane
Maltby, Addie Emily (*cum laude*)
Mielke, Grace^A
Millican, Harold Alexander^A
Moran, Charlotte
Moulthrop, Lena V.^M

Noblitt, Dewey Irving

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Peterson, Grace Howard^A
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Quass, Mabel Martha^A

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Reynnells, Lois Katherine
Roberts, Margaret Marian
Rogers, Lillian M.^A
Rowse, Helen Brackett^M
Rue, William Roosevelt

Samuelson, Mayme Bogdanoff^M
Scott, Robert W.
Selby, Kenneth Edgerton
Selgelid, Orville J. (*cum laude*)
Seymour, Glen Leslie
Sharp, Mary Corts^A
Silvers, Josephine Lois
Sjaastad, Helga^A
Smith, Bertha May
Snyder, Ida Mae^A
Sorensen, Harry Daniel^A
Sowers, Iva Lucile^A
Sparling, Robert^A
Staten, Mildred Mabelle^A
Steele, Helen Davida
Stone, Nellie Cecelia^A

Thomas, Maurice J.

Uhlen, Esther Dorothy

Wallace, Roderick Alvin
Watkins, Eula May^M
Wendler, Gladys B.

Wilkins, Helen Genevieve	Wynne, Ardis Ethelyn
Williams, Eda May Elsie	
Wolff, Wanda Marie (<i>cum laude</i>)	Young, Amie Olive ^A

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Eriksson, Archie ^A	Shumway, George Alfred ^A
Estep, Amy Josephine	Sullivan, Robert Edward ^A (<i>magna cum laude</i>)
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Crankshaw, Claude Phillip	McManus, Mildred
Ebbley, Mary Domerice	Norfolk, Florence F. ^A (<i>magna cum laude</i>)
Elledge, Gladys Pearl	Savage, Florence H.
Finley, Marjorie Helen	Slawson, Maude M. ^A (<i>magna cum laude</i>)
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	Young, Mae Alice

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Geri, Helen Lucretia	Osgood, Ernest Wilkins
Glynn, William Bragdon	Shigaki, George Moriyoshi
Mattson, John Ivar	

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Butt, Florence Mildred	Coolidge, Eva Alethea

Edades, Victorio Cecilia	Matsen, Ida M.
Erz, Evelyn ^M	Patterson, Viola Hansen
Fields, Earl Tom	Rogers, Agnes H.
Grotle, Clara Eleanor	Shaw, Gretchen Adella ^P
Harris, Fred Orrin ^A (<i>cum laude</i>)	Sorenson, Gladys Margaret
Harris, Violet Elizabeth	Stacy, Virginia ^A
Hopper, Edna	Turtle, Alice (<i>cum laude</i>)
Howard, Florence Avera	Williams, Caroline
Lansdowne, Elizabeth ^M (<i>cum laude</i>)	
Levinson, Elsa Kaufman	

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Davis, Mercie Irene ^A	Oertel, Anna Mary
Jewell, Mildred R.	

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Fletcher, Gerald Robert	Sprague, A. Milton
Seagraves, Hal E. ^P	Tilton, Kenneth Elwood

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Burr, George Danforth	Rose, Albert C. ^P
Butler, William Tennant, Jr.	Seamons, Joe ^M
Engstrom, Wallace R.	Smith, Irving Monroe
Hunt, Thomas Alvin ^M	Veitch, Albert Hertzner (<i>cum laude</i>)
Hutchinson, Robert Paddock	Villegas, Andres Panlasigui
	Walker, Richard Reddington

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Adams, Carlton Fitch	Eastman, Fred Scoville (<i>cum laude</i>)
Anderson, David Gash	Fitzpatrick, George William
Babbitt, Frederic Martin	Hansen, Ted Arthurneil
Bergstrom, Theodore ^P	Hauan, Merlin J. ^M
Clement, Andrew Weir (<i>cum laude</i>)	Howe, Wilbur Almeron
Cohen, Philip Gordon	Kallgren, Philip Albin
Collins, Cyril Alfred	Kepp, Karl
Cultum, Gordon L. ^M	
Davis, Caleb F. ^M	LaFollette, Marion B.
Davis, Paul Bryan ^M	Lanning, Oscar Dayton (<i>cum laude</i>)
Dormann, George Robert ^M	Lewis, James W.

McClarren, Arthur Edward ^D	Sanders, John Charles ^D
McNeill, Harold E. ^D	Smith, Roy M. (<i>magna cum laude</i>)
Manning, Harold Charles (<i>magna cum laude</i>)	Stewart, Oliver Thornton ^M
Miller, Robert Earl (<i>magna cum laude</i>)	Turner, Arthur Frank
Muth, Lawrence R.	
Nordahl, John G.	Weir, John Malcolm ^D
Pruessman, Will	Welsh, William Joseph
Ravelli, Henri J. A. ^D	Widrig, Thomas Merritt ^M
Robbins, Floyd David	Wollaston, Francis O.
Robinson, H. Gerald (<i>magna cum laude</i>)	Woodall, Otis
	Zobrist, Herbert Edwin

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Alben, Edward A.	Jorgenson, Harold M.
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Graham, Carroll Knight	Martin, Paul Morgan
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Johnson, Howard Alfred ^D	Miller, Robert Earl
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Luft, Max	Zener, Robert G. ^D
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Lust, Harold William ^D	Swanberg, Roy John

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Jasper, Martin William	Romischer, William M.
Lee, Robert Edward, Jr.	Winn, Burdett A.

BACHELOR OF SCIENCE IN CERAMICS

Reynolds, Myron Elmo

COLLEGE OF FORESTRY

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Anderson, Niles Milton ^D	Lungreen, Rolfe (<i>cum laude</i>)
Barnes, George Hector ^D	Morgan, Alvin Quentin
Buckley, Harry Booth ^M	Orr, Gilbert McMaster ^D
Corson, Kenneth Paine	Polkinghorn, Lee Martin (<i>cum laude</i>)
DeGroot, Lloyd Henry ^D	Preppernau, Charles W. ^M
Eddy, Richard Hewes	Rubenstein, Boris
Ericson, Earl Edward	Sanders, Arthur Leslie
George, Robert Lynn	Stillman, Allyn P.
Gross, William Carl	Taylor, Raymond Frank ^M
Harris, Ralph Hubert ^D	Walker, Gile Heilig
Henry, Frank R.	Whipple, Charles R.
Holman, Harold Eldridge	
Huntington, Walter Linville	

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Ariizumi, Kiyo	Lee, Frank Andrew
Blair, William J.	Maloney, Percy O.
Braford, Caty Josephine	Martin, Merritt K.
Burston, Arthur William ^D	Monroe, Paul A.
Carlson, Oscar C. ^M	Myers, Philip Wright
Carr, J. R. Cuthbert	Peterson, Alvin Axel
Chess, Samuel T.	Pettengill, Floyd George
Clein, Lillian	Reekie, Richard D.
Erickson, Roy C.	Reese, Mary Elizabeth
Ford, Melvern Bruce	Richards, Leon W.
Gustafson, Iva Marie	Stroud, Warren L.
Hammond, Marguerite Alice	Swanson, Gustave B.
Hardinger, Marie Annette	Tennant, Hugh R.
Hermanson, Stanley James	Troy, Ruth Elizabeth
Highland, Herman A.	Welsh, Raechel A. ^D
Johnson, Victor	Wittenberg, Eva D.

BACHELOR OF SCIENCE IN PHARMACY

Barron, Dale H. ^A	Lehman, Arnold John (<i>magna cum laude</i>)
Braford, Caty Josephine	
Cain, Russell Arnon	Maloney, Percy O.
Cook, Richard H.	Martin, Merritt K. (<i>cum laude</i>)
Dix, Peres A. (<i>cum laude</i>)	Welsh, Raechel A.

COLLEGE OF BUSINESS ADMINISTRATION

BACHELOR OF BUSINESS ADMINISTRATION

Abrahamson, Jacob	Erickson, Carl Wesley
Adams, Howard William	Eriksen, Edward G.
Ahrens, Russel Fred	Fladd, Everett John
Aitchison, Edwin Perie	Frayn, Richard Luzurne
Anderson, Donald Chester	Fushimi, Shigeichi ^D
Annett, Kenneth Keith	Gadsick, Harold John ^A
Aquino, Juan Paraiso	Gallagher, James Oliver ^D
Armitage, Harry H	Gerber, Leonard
Beager, Laura A.	Goff, Benjamin Neville
Beers, Norman Alwyn ^A	Goodwin, Lang Miller
Benedict, Rufus John	Graves, Francis Davis
Beveridge, Alton Vere	Green, Clifton Dwight (<i>magna cum laude</i>)
Bigelow, Dwight Ernest	
Biggar, Edson Boyd (<i>cum laude</i>)	Haffly, Jean D.
Bohan, Richard Timothy ^D	Haimo, Myron Bernard ^A
Bolsover, George Stanford ^M	Hall, Edward Barton ^A
Bolstad, Bernard	Halverson, Edwin Oscar
Boyle, Gordon Lovett	Hamilton, Dorothy ^A
Bray, Frank Nathan ^A	Harper, Clarence Pheneas ^A
Bray, John Harold	Hauschildt, Frank W. ^M
Brazier, Donald H. ^A	Henricksen, Thorwald W.
Breckenridge, James T.	Herb, Elmer Michael
Brennan, Robert Addison ^A	Hilscher, Herbert Henry ^D
Brown, William W.	Hinman, Chester Arthur ^A
Burnett, Norman M.	Horsley, Frank Sears ^A
	Howell, Emma Louise ^D
Calkins, Richard Ivan ^M	Hughes, Victor A.
Capen, Donald F. ^A	Huson, John Wing
Capen, Ellery	
Carlson, Wilma Aloise ^A	Johnson, Benjamin F.
Carter, Charles John ^A	Johnson, Fletcher Ormond ^D
Cassels, Harry Angus ^D	Johnson, Paul William
Gayton, Madge Revels	Keeler, George Hammond ^D
Chapman, John Chandler	Kelley, Lewis P. ^M
Clark, Irl B. ^D	King, Robert William ^D
Conklin, Russel P. ^D (<i>cum laude</i>)	Kocher, Virgil I. ^A
Cosser, Harold Crosby	Kohagen, Walter Melvin
Cussac, Achille Clair	Kreisher, Harold Charles
	Kuhn, Edwin E.
Donahoe, Eugene Francis	Lelli, Seraphin ^M
Douglas, John Francis, Jr. ^D	Levinson, Herbert A. ^D (<i>cum laude</i>)
Dragoo, Charles Victor ^M	Liang, Ching-Cheun ^A
	Lillis, John Glendon
Easterbrook, William E.	Linn, Robert Donald ^A
Edwards, Archie Campbell ^D	Littell, Max E. (<i>cum laude</i>)
Englund, Adoll Burt ^A	

Loewer, Charles Hastings^A (*magna cum laude*)

MacAdams, William Bernard
McCaughy, Douglas A.^D
Mackenzie, Donald H.
McCroskey, Wendell Howard^D
McElroy, Jennie B.^A
Marriott, George Thomas
Marshall, Roy S.
Mead, Lawrence
Meserve, Kenneth Almer
Metz, William Willard^M
Miles, John Hunter^A
Miller, Theodore Harry^M
Montilla, Francisco R.^M
Morrison, Wendell Wallace^M
Moulton, Morris Edmund

Northfield, Walter Daniel^M

O'Brien, Paul^D
Olsen, Blanche Agrethe

Parker, David Lyman
Parrish, Karl B.^D
Paup, Everett Oliver^A
Plechner, Alfred Jay^D
Pool, Esson Jacob^M

Quanstrom, Ellen Marie^A

Roemer, Albert John^A
Roesch, George Ernest
Rohrer, Harvey Vaughn^A

Sanford, David John
Satow, Nobutoshi^M
Schooley, John Marshall^D
Scott, Neil Donald

Scott, Thomas Eldon^M
Shanks, Clyde Wendell^M
Sheahan, George Cameron
Shepherd, Percy Newland
Shorrock, Paul
Sievers, Harold E.
Sievers, Roy William
Silliman, Marietta^A
Simson, Louis Dewey
Smith, George Eldon^M
Smith, Hall
Smith, Harry, Jr.
Smith, Wayne Clifford
Sorensen, Andrew
Staten, Francis Angevine
Strand, Robert Edward
Sullivan, Elva Marie
Swaile, George^A

Taylor, Irene Lenore
Tompkins, Chester Ernest
Tsong, Hsien Tsun
Tupper, Cecil Clarence
Turnbull, Donald Malcolm^D

Van Voris, Cecil S.
Wahlstrom, Nelson
Walker, Donald Boynton
Wann, Arva W.^A
Ward, Theodore W. (*cum laude*)
Wedeborg, Sivert Matthew
Welsh, J. Burke
Wheeler, Edward Brooks
Wiesenbach, Ward Osmund^D
Williams, Ronald Campbell^D
Wolfe, Merle

Youlden, Charles Stackpole

SCHOOL OF LAW

BACHELOR OF LAWS

Anderson, Arthur A.

Bowman, Conrad Henry
Boynton, Frederic Richard
Brown, Stephen Darden
Butts, Everett O.

Caples, Douglas Elwood^D
Cochrane, Edward Lambert^D
Collett, Arthur Eugene, Jr.
Cook, Jo Dudley
Cooperman, Maurice H.^M

Dark, Carleton Willits

Geraghty, Thomas Edward
Gose, Thomas Phelps, Jr.
Grimm, William Henry^D

Holmes, Joseph Delaney
Hutcheson, Elwood (*cum laude*)

Johnson, Bertil Edward

Langhorne, Clifford M.
Law, Charles H.^A
Levinson, Samuel Lewis^M
Lycette, Julia Lynch

McCarthy, Edmund J.
Malone, Walter Weston
Mentzer, Cyrus Joseph

Nicholson, Leo Stanley^M

Orth, Maurice William

Powell, Charles Lawrence

Ryan, Homer N.

Ward, George Frank

Schmitt, Tessie Margaruita^A

Wyers, Teunis James

Starin, Edward

LIBRARY SCHOOL

BACHELOR OF SCIENCE IN LIBRARY SCIENCE

Corbett, Alice Kathleen (*cum laude*) Lynn, Irma Tuell^M

Harris, Florence Sherrick

Miller Ethel M.

Hoard, Mary Gladys

Moseley, Maud Louise^DJones, Mary Elizabeth^A (*magna cum laude*)Petroske, Lawrence
Pollock, Thressa Alletta

Klock, Lois Adele

Tucker, Lena Lucile

Worthing, Flora Campbell

SCHOOL OF JOURNALISM

BACHELOR OF ARTS IN JOURNALISM

Anderson, Frederick Raymond

Harting, Raymond D.

Baker, Jane Ayres^DHolloway, A. Cecil^DBennie, Alice A.^A

Koch, Fred Carl

Billesbach, Martin Matthew

McLellan, Margaret Janet

Collins, Albert Norman

Misra, Ben

Crane, Marion Adelaid

Reid, Beatrice Laura (*cum laude*)

Dix, Marion Edgerton

Upcraft, Winifred Scott

Hampson, Frederick Edgal

Weld, Alice Christina

Wilson, Albert Wheaton

GRADUATE DEGREES

GRADUATE SCHOOL

CIVIL ENGINEER

Hiram Ward Camp

B.S. in C.E., University of Washington, 1910
Thesis: Engineering and Operating Report of the Indian Refining
Company, Lawrenceville, Illinois

MASTER OF ARTS

Elizabeth Mary Andrews^A (History)

A.B. Whitman College, 1920
Thesis: Fort Spokane and Spokane House

Paul Stanton Bachman (Political Science)

B.S., Ohio State University, 1921
Thesis: The Organization of Municipal Government in Seattle

Grace Baumgartner (Economics)

B.M., University of Washington, 1923
Thesis: Effecta Repartitio

Arthur Sydney Beardsley (Political Science)

LL.B., University of Washington, 1918
B.S. in L.S., University of Washington, 1924
Thesis: The Development of a Federal Budgetary Practice

Richard Marmaduke Benson (Education)

B.S., Oregon Agricultural College, 1923
Thesis: A Study of the Extra-Curricula and Inter-Curricular
Development of the American Public Secondary School

Richard Leroy Blackburn (Education)

A.B., University of Washington, 1924
Thesis: Federal Aid to Education in the State of Washington

Ferdinand Hinckley Butt (English)

A.B., University of Washington, 1923
Thesis: Chaucer's Types of Literature: a Partial Study of the Poet's Critical Theory

Ralph Droz Casey^A (Political Science)

A.B., University of Washington, 1913
Thesis: A Consideration of Propaganda with a Discussion of Some of its
Dangers and Abuses

Floyd Augustine Cave^A (Political Science)

A.B., University of Washington, 1923
Thesis: The Theory of the Nonpartisan Nomination and Election of State Judges

Roy Clinton Cave^D (Political Science)

A.B., University of Washington, 1923
Thesis: The Evolution from Natural Rights to Governmental Absolutism in America

Dorothy Helen Chesley (French)

A.B., University of Washington, 1921
Thesis: The Daily Life of the Fourteenth Century as Revealed by the
Miracles de Notre Dame

Rebecca Cooper^D (Philosophy)

A.B., University of Washington, 1921
Thesis: The Historical and Logical Relations between Hegel and Marx

University of Washington

Ray Raleigh Cullen (Education)

B.A., McPherson College, 1921

Thesis: An Educational, Economic and Social Survey of Okanogan County, Washington, with some Recommendations

Cecelia Cutts (Oriental Languages and Literature)

A.B., University of Washington, 1923

Thesis: Some Ancient Semitic Law-Codes

Berenice DuRae (English)

A.B. University of Washington, 1924

Thesis: Romance and Realism in the Novels of William Gilmore Simms

Frank Otterbein Evans^A (Education)

A.B., Whitman College, 1906

Thesis: A Study in Elimination of Students from Mount Vernon High School

William Gellermann^A (History)

A.B., University of Washington, 1921

Thesis: Sherman's Invasion and Ruination of the South

William Griffith (Psychology)

LL.B., University of Washington, 1917

Thesis: The Correlation Between Recall and Recognition Memory

Ralph Harrelson Gundlach (Psychology)

A.B., University of Washington, 1924

Thesis: The Effects of Practice on the Intercorrelations of Three Mental Tests

Clarence Edwin Hagie^A (Education)

Ph.B., Iowa Wesleyan University, 1913

Thesis: The Administration of Credit for Participation in Extra-Curricular Activities in American Secondary Schools

Hazel Marie Hauck^D (Home Economics)

B.S., University of Washington, 1921

Thesis: A Study of the Cause and Failure of a Specific Ration

Philip Enoch Hauge^D (Education)

A.B., St. Olaf College, 1920

Thesis: An Investigation of the Elements which Constitute a Grade

William Jabez Jerome (Education)

A.B., University of Washington, 1924

Thesis: Teacher Certification and Teacher Supply in Washington

Gustav Ferdinand Larson (History)

A.B., University of Washington, 1924

Thesis: La Venalite: the Purchase and Sale of Office Under the Old Regime

Melvin P. Levy^D (English)

A.B., University of Washington, 1923

Thesis: Art and Anarchy

Andrew William Lind (Sociology)

A.B., University of Washington, 1923

Thesis: Mobility of Population as a Factor in Personal and Social Disorganization

Elizabeth M. Macdonald^A (Spanish)

A.B., University of Oregon, 1918

Thesis: The Madrid of Mesonero Romanos

Winifred Ida Maude McGill^A (English)

A.B., McGill University, 1899

Thesis: A Study of the Spirit of the Work of Edmund Spenser

Flora Meyer (English)

A.B., University of Washington, 1923

Thesis: The Influence of French Romantic Thought on the Unitarianism of William Ellery Channing

Everett John Nelson (Philosophy)

A.B., University of Washington, 1923

Thesis: On Mill's View that the Syllogism Contains a Petitio Principii

Martha Jeannette Nix (English)

A.B., University of Washington, 1922

Thesis: A Study of the Influence of the Morality Plays on Edmund Spenser's *Faery Queen*, Book I

Kiyoshi Nozaki^D (English)

B.A., Waseda University, 1915

Thesis: The Elizabethan Age and the Helan Epoch

Gerda Maria Okerlund^M (English)

A.B., University of Washington, 1923

Thesis: The Voyages of the Vikings by Rolf Nordenstreng, Translated from the Swedish

Elizabeth H. Pratt Owen^D (Education)

A.B., University of Washington, 1921

Thesis: The Predictability of the Illinois Test Intelligence Quotient as to High School Scores

Augustine Palacol (Philosophy)

A.B., University of Washington, 1924

Thesis: The Neo-idealist Theory of the State: A Metaphysical Analysis of Hegel's Moral Philosophy

May Belle Pickett^A (History)

A.B., University of Washington, 1923

Thesis: Forty Years on Bellingham Bay

Ida Lenora Ramsey^M (History)

A.B., University of Pittsburg, 1918

Thesis: The Farm Bloc 1919-1924

Frederick Albertson Rantz (Education)

B.A., Spokane University, 1920

Thesis: Measuring the Results of Teaching in Chemistry

Walter Redford (Education)

A.B., University of Washington, 1924

Thesis: The Development of Geography as a School Subject

Otis Dunbar Richardson^D (English)

A.B., University of Washington, 1921

Thesis: Trial and Error

Lawrence Sandusky^D (English)

A.B., University of Washington, 1923

Thesis: The Longer Dramas of Anton Chekhov

Hazel L. Sherrick (English)

A.B., University of Washington, 1918

Thesis: A Study of Edmund Spenser's *Mutabilitie*

Charlotte Steelman (English)

Ph.B., Kalamazoo College, 1910

Thesis: The Spirit of Hugh Walpole

Tracy Elmer Strevey^M (History)

B.A., Willamette University, 1923

Thesis: Pickett on Puget Sound

Nettina Louise Strobach^A (English)

B.L.L., Emerson College, 1921

Thesis: Four One-Act Plays

Esther Van Horn^A (English)

B.Ed., University of Washington, 1920

Thesis: The Social Aspect of William Makepeace Thackeray

University of Washington

Evelyn Faye Wilson^A (History)

A.B., Beloit College, 1921

Thesis: A Study of the Critical Period of the Reformation in Scotland

William Charles Wilson (Spanish)

A.B., University of Montana, 1922

Thesis: Theory and Practice in the Novels of Armando Palacio Valdes

MASTER OF SCIENCE

Laura Angst (Botany)

A.B., University of Washington, 1915

Thesis: Culture Studies of *Mortierella Candelabrum*

Nancy Bayley^A (Psychology)

B.S., University of Washington, 1922

Thesis: Performance Tests for Three, Four and Five Year Old Children

Ruby May Bohart^A (Bacteriology)

B.S., University of Washington, 1922

Thesis: The Relation of Ocean Slime to Fouling of Ship Bottoms

Perry Leroy Bourlier (Chemistry)

A.B., University of Redlands, 1923

Thesis: Study of Agglutinating Agents for Pulp Fibers

Earl Theodore Brown^A (Physics)

B.S., University of Washington, 1918

Thesis: Change of Resistance of Conductor Exposed to an Electric Field

Pao Yuan Cheng (Pharmacy)

B.S., University of Washington, 1923

Thesis: A Preliminary Survey of Four Northwestern Plants

Marjorie Edith Cole (Bacteriology)

B.S., University of Washington, 1925

Thesis: Spore Bearing Anaerobic Bacteria in Sugar

Carl Edward Curtis (Chemistry)

B.A., College of Puget Sound, 1919

Thesis: Enamel-making Properties of the Flints and Feldspars of the State of Washington

Edna May Doyle (Bacteriology)

B.S. in H.E., University of Washington, 1922

Thesis: Decarboxylation of Organic Acids by Enzymes of Some Bacteria and Yeast

Dorothy Ruth Gaston (Pharmacy)

B.S., University of Washington, 1923

Thesis: A Study in the Series of Antispasmodics

Clair Arthaud Hannum^A (Zoology)

B.S., University of Washington, 1923

Thesis: Anatomy of the Millipede *Chonaphe Armatus*

Hilding Everett Johnson^A (Chemistry)

B.S., University of Washington, 1923

Thesis: The Plasticity and Viscosity Relationships of Some Ceramic Materials

Sylvia Jennie Johnson (Bacteriology)

Ph.G., University of Washington, 1922

B.S., University of Washington, 1924

Thesis: Changes in Intestinal Flora in Rats on a Calcium Deficient Diet

George Gustav Kretchmar (Physics)

A.B., Union College, 1915

B.S., University of Colorado, 1919

Thesis: Static Characteristics of Tungsten Arcs for Small Arcing Distances

Frederick Valentine Lofgren (Pharmacy)

B.S., University of Washington, 1924
Thesis: Local Anesthetics: some Amino Alkyl Esters

James Richard Lorah (Chemistry)

B.S. in Ch.E., University of Washington, 1921
Thesis: The Influence of Hydrogen-ion Concentration on the Protective Action of Gelatin on Zeigmondy's Standard Gold Sol

Jean Rice Morse (Chemistry)

A.B., Smith College, 1924
Thesis: The Nutritive Values of Types of Commercial Baking Powders

Kirsten Larssen Newbury^A (Physics)

B.S., University of Washington, 1919
Thesis: Loads to be used on Various Suspended Track Cables

Hilda Florence Rosene^D (Zoology)

B.S., University of Washington, 1922
Thesis: The Morphology of the Butter Clam, Saxidomus Giganteus, Deshayes

Frederic William Schroeder^A (Chemistry)

A.B., Central Wesleyan College, 1919
Thesis: A Study of Sillimanite as a Refractory

Frank John Studer^A (Physics)

A.B., University of British Columbia, 1921
Thesis: The Fluorescence of Mercury Vapor

Margaret Caroline Thomas (Chemistry)

B.S., University of Washington, 1923
Thesis: A Study of Aluminum Oxide Hydrosol

George Benjamin Vetter (Psychology)

B.S.F., University of Washington, 1917
Thesis: An Inquiry into the Point of Origin of Hypoglycemic Convulsions

Harold Dewey Young^D (Bacteriology)

B.A., College of Puget Sound, 1920
Thesis: Peptic Digestion Among Bacteria

MASTER OF SCIENCE IN CHEMICAL ENGINEERING

Warren Lord Beuschlein

B.S. in Ch.E., California Institute of Technology, 1919
Thesis: Some Methods of Absorption of the Oxides of Nitrogen Obtained by the Arc Process

David Nathaniel Rickles

B.S. in Ch.E., University of Washington, 1924
Thesis: A Magnesium-Base Ternary Alloy

MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

Bert Verne Hoard

B.S. in E.E., University of Washington, 1924
Thesis: Investigation of a New Internal Combustion Engine Cycle

MASTER OF SCIENCE IN METALLURGY

Harold Edmond Brandebury

B.S. in Mining, University of Arizona, 1924
Thesis: An Investigation of Certain Super-refractories

MASTER OF SCIENCE IN MINING ENGINEERING

John Amsden Nuckols^A

B.M., Montana State School of Mines, 1922
Thesis: The Effect of Screen-Sized Feed on the Concentration of Coal on a Table

University of Washington

MASTER OF FORESTRY

Yasuo Miyashita^p

B.F., University of Tokio, 1911

Thesis: The Relation Between Surface Hardness and Gross Hardness in Japanese Woods

Gilbert McMaster Orr

B.S.F., University of Washington, 1925

Thesis: Logging Inclines

MASTER OF SCIENCE IN FISHERIES

Tung Pai Chen

B.S., University of Washington, 1923

Thesis: Use of Sodium Hypochlorite in the Preservation of Fishery Products

Harold Watson Nightingale

S.B., Massachusetts Institute of Technology, 1914

Thesis: The Culture of the Soft Clam *Mya arenaria*

MASTER OF SCIENCE IN FOOD PRESERVATION

Clarence Thomas Parks

B.S. in Fisheries, University of Washington, 1924

Thesis: A Chemical Study of Pacific Coast Canned Crab

MASTER OF SCIENCE IN PHARMACY

Harriet Vivian Snidow

Ph.G., Oregon Agricultural College, 1923

B.S., Oregon Agricultural College, 1923

Thesis: A Pharmaceutical Study of Acetylsalicylic Acid

MASTER OF BUSINESS ADMINISTRATION

Richard Timothy Bohan

B.B.A., University of Washington, 1924

Thesis: A Study of Trade of the Port of New Orleans

Herald Ray Clark^a

A.B., Brigham Young University, 1918

Thesis: A Study in a Bank Failure

George Washington Hines^a

A.B., Howard University, 1909

Thesis: Branch Banking in the United States

Edward Kongsle

B.B.A., University of Washington, 1921

Thesis: Treatment of the Asset Goodwill in Accounting Practice

Donald Hector MacKenzie

B.B.A., University of Washington, 1925

Thesis: Douglas Fir Prices

William Alexis Russell

C.E., Institute of Roads of Communication, Petrograd, 1900

Thesis: Competition and Monopoly: a Genetic Study in Economic Theory

Gilbert Simon Schaller

B.S. in M.E., University of Illinois, 1916

Thesis: An Investigation of Seattle as a Location for a Synthetic Foundry Iron Industry

Miachen Siang Shaw

B.Sc., Fuh Tan University, 1921
Thesis: Foreign Banks in China

Manuel Rustia Sison

B.S., University of the Philippines, 1923
Thesis: Fifteen Years of American Preferential Tariff Relations with
the Philippines (1909-1924)

MASTER OF FINE ARTS

Morgan Grassie Padelford

B.F.A., University of Washington, 1924
Thesis: Two Plaques, Illustrative of the Primitive and Modern Industries
of Puget Sound, for the Seattle Chamber of Commerce Building

DOCTOR OF PHILOSOPHY

Elias Thorlief Ruud Arnesen^M

A.B., University of Washington, 1921
M.A., University of Washington, 1922
Thesis: Modernism and Literature

David Alexander Barber

A.B., University of Washington, 1917
M.A., University of Washington, 1919
Thesis: History and Present Status of the Public School Finances of the
State of Washington

Carl Zeno Draves

B.S., University of Washington, 1917
M.S., University of Washington, 1922
Thesis: Reaction of Sulfur with Alkali and Alkaline Earth Hydroxides in Aqueous
Solutions and a Study of the Coagulation of Mastic Suspensoids

Melville Fletcher Perkins

B.S. in Ch.E., University of Washington, 1921
M.S. in Ch.E., University of Washington, 1923
Thesis: A Laboratory Study of Nitrogen Fixation in the High Tension Arc

Mildred Clara Struble^A

A.B., University of Washington, 1917
M.A., University of Washington, 1920
Thesis: A Critical Edition of Ford's *Perkin Warbeck*

William Ronald Wilson

A.B., University of Washington, 1917
M.S., University of Washington, 1920
Thesis: The Measurement of Ability-Achievement Differences in Colleges

NORMAL DIPLOMAS

UNIVERSITY FIVE-YEAR NORMAL DIPLOMA

Abell, Charles H.^A
 Agee, Dora Leola^M
 Akins, Marian Louise
 Albaugh, Dorothy Gertrude^M
 Allen, Ruth Frances^D
 Anderson, Alma Carolyn
 Anderson, Muriel C.
 Anthes, Cora Leola
 Armin, Julia E.
 Arnold, Ruth Louise
 Asp, Florence Alvina^A

Barlow, Frances Marie
 Barlow, Marie Signe
 Barron, Dale H.^A
 Beager, Laura A.
 Bedell, Mary E.
 Bendetson, Selma Ada
 Bereiter, Marvel Naomi^M
 Bergman, Eunice Margaret^M
 Bernards, Margaret Marie
 Best, Mary Elmyra^A
 Bethel, Virginia Ramsey^M
 Bishop, Vivian Eleanor
 Black, Elizabeth S.
 Black, Julia Kathryn
 Bohan, Richard Timothy
 Bolderston, Constance Bennett^D
 Booker, Fay^A
 Boozer, Marjorie C.
 Boutelle, Virginia Scranton
 Bragdon, Wynne Elizabeth^D
 Bray, Frank Nathan^A
 Bray, Ruth Arvesta
 Brooks, Bernice Norma^A
 Brossoit, Havana
 Brown, Florinda^D
 Brown, Vera Marie
 Burbank, Myrtle Olive
 Burke, Nellie Charlotte
 Bushell, Lydia Gair
 Butt, Florence Mildred

Campbell, Ernest William^D
 Campbell, Helen Day^A
 Campbell, Marjorie Maude^A
 Campbell, Maurine Prescott^M
 Campbell, Robert Agnew^M
 Carder, Ruth Margurite
 Caulkins, Alice Estelle
 Chaffee, Dorothea Lucile
 Chambers, Horace James
 Childs, Harry J.

Chumlea, Leland H.^A
 Clark, Howard A.
 Clarke, Mary Lodema
 Coke, Martha Evelyn
 Cole, Frances Mary
 Colman, Isabel Susan^M
 Combes, Esther M.
 Combs, Dorothy June
 Coolidge, Eva Alethea
 Copland, Nena Mattie
 Coventry, Edwin J.
 Crankshaw, Claude Phillip^A
 Cullinan, Nicholas Cecil

Dahl, Florence^A
 Dahlberg, Edith^A
 Danner, Earl Young^A
 Daubenspeck, Marion Henderson^A
 Davis, Mercie Irene^M
 Daws, Ethel Leota^M
 Deits, Harry Lou^A
 Denning, Alice Margaret
 Dimmitt, Lorris Myrvina^A
 Doane, Lucile, J.^A
 Dobbs, Charlotte Margerison
 Dobson, George Robert
 Donley, Eleanor Florence
 Drager, Gertrude M.
 Dragoo, Bessie Rose
 DuBois, Kinsley Lockwood
 Dupuis, Margaret
 Dwyer, Katharine Mary

Eagleson, Margaret Elliott
 Earnest, Robert Roy^A
 Elbersson, Ruth Mae
 Elledge, Gladys Pearl
 Eriksson, Archie^A
 Estep, Amy Josephine
 Evans, Margery Carlota

Felch, Margaret
 Finke, Mabel Lerene^D
 Fitzgerald, Hattie May
 Foster, Philip Robert
 Friese, Ernestine^D

Gailey, Helen^D
 Ganders, Mary Louise^A
 Gardineer, Marian Florence
 Garland, Cathran Elizabeth
 Gatton, Dorothy
 Geist, Marian E.
 Goodrich, Haven Ginn^A
 Goon, Lillian^A

Gowen, Felicia Joyce^M
 Grebe, Edna Juanita
 Griffin, Lois M.
 Grotle, Clara Eleanor
 Guernsey, Rollin Nau
 Guilford, Madeline^M

Haeske, Carroll Michael^A
 Hagerty, Frank William
 Hagerty, Nellie^A
 Haggett, Dorothy Gene^A
 Hahn, Catherine Elizabeth
 Hall, Vernon Knight^D
 Hallan, Claude^A
 Hambleton, Edith Louise
 Hammond, Lester Carolyn^A
 Hand, Hope^D
 Hanson, Alice C.
 Harris, Violet Elizabeth
 Hart, Harriett Katharine
 Harter, Genevieve Wells
 Hartt, Bertha Mary^D
 Harvey, Earle Allaway
 Haskin, Emma Helen
 Hatton, Ruth Genevieve^A
 Hazen, Kathryn
 Hennessey, Mabel A.^A
 Hepperle, Hulda^M
 Heron, Nellie Sutherland
 Herr, Jewel Kathryn^D
 Herrick, Winifred Leigh
 Hiersch, Wilhelmina A.
 Hoag, Clarice^A
 Hocking, Lillian Katherine
 Hodges, Mable Emma
 Hornstra, Fred Harry^D
 Horst, J. Hazel^A
 Howard, Florence Avera
 Howard, Mable Grace^A
 Hower, Melba May
 Hoyt, Verna Margaret^M
 Huguelet, Zeline
 Hunt, Norma Evelyn
 Huston, Jessie Victoria

Jackson, Betty^A
 Jacobson, Olga G. L.
 Jardine, Nan Thompson
 Jensen, Helen M.
 Jessup, Clara Belle
 Jewell, Mildred R.
 Johnson, Edith Morrison^M
 Johnson, Fannie^A
 Johnson, Isyl Florence^A
 Johnson, Jeanette Elizabeth
 Johnson, Nora Howarth
 Johnston, Bertha Helen Marguerite^D

Keilholtz, Ruth W.
 Keller, Bertha Mae^A

Kelley, Curtis^A
 Kellogg, Marion Colie
 Kennedy, Katherine Bernice^A
 Kenney, Helen Ann
 Ketcham, Laura
 King, John Lawrence
 Kraft, Marjorie Gertrude^A
 Kuppler, Virginia F.^M
 Kuykendall, Berdina

Larsin, Josephine^A
 LaVigne, Naomi
 Lawrence, Arta F.
 Lawton, Muriel^D
 Lea, Dorothy Marie^A
 Levy, Tony W.^A
 Leonard, Eleanor Hoppock^M
 Lewis, Josephine
 Lipsky, Beth Marie
 Little, Evelyn Morrison
 Livingston, Louis Smith
 Long, Agnes^A
 Louden, Russell^A
 Lowman, Vivien Guy
 Lucas, Marian McArthur
 Lucus, Helen Mary

McBride, Kathleen^A
 McCabe, Helen Dales
 McCorkill, Minnie V.^D
 MacDonell, Ruby Caroline
 McGrath, Doris
 McKay, Annie Laurie^A
 McKay, Helen
 MacLaughlin, Gay Elizabeth^A
 MacLaughlin, Margaret^A
 McLellan, Margaret Janet
 McManus, Mildred
 MacNaughton, Ellen^A

Madden, Helen Imogene^A
 Mallery, Mildred McClane
 Maltby, Addie Emily
 Manard, Lucille Alice^A
 Mares, Lillian Emily
 Marsh, Urma Lillian^A
 Martin, Earl B.^A
 Mead, Lawrence
 Metz, William Willard^M
 Meyer, Walter Charles^A
 Mielke, Grace Eva^A
 Miller, Charlotte Elizabeth^A
 Miller, Mervyn Bernard
 Miller, Vera Winona^A
 Millican, Harold Alexander^A
 Mint, Frances Cardwell^M
 Minter, Laurabelle

Mitchell, Mary Louise^o
 Moran, Charlotte
 Morris, Katherine Waldron
 Moulthrop, Lena V.^m
 Mulhern, Helen
 Muntzer, Maude Viola
 Murphy, Mary E.^o

Nichols, Mary Ulanah
 Nicholson, Leo Stanley^m
 Niemela, Lores William^m
 Noblitt, Dewey Irving
 Norfolk, Genevieve F.^a
 Norie, Mary Elizabeth
 Nusbaum, Dean E.^m

Oertel, Anna Mary
 Olsen, Blanche Agrethe
 Olson, Genevieve
 Olson, Olga Claudia^o
 Olson, Ronald LeRoy^m
 Osgood, Ernest Wilkins

Palmer, Carolyn Richardson^a
 Parks, Dorris B.
 Peck, Ruth Elizabeth^o
 Pelz, Gladys Irene^m
 Peters, Henry William
 Petersen, Irene
 Peterson, Grace Howard^a
 Peterson, Inez H.
 Phillips, Alfred Barron^a
 Pigott, Josephine Ann
 Pigott, Lucinda C.
 Pollard, Eugenie^m
 Poyneer, Almeda Marie
 Prichard, James Milton^a
 Pugh, Anne Clough

Quass, Mabel Martha^a

Raichle, Katherine B.
 Rantz, Frederick Albertson
 Redford, Walter^a
 Reep, Ellen Laura
 Reisdorf, Mary Elizabeth
 Reynnells, Lois Katherine
 Richards, Ruth
 Roaney, Marland B.^a
 Roemer, Albert John^a
 Rogers, Agnes H.
 Rognan, Esther Berleo
 Roll, Dorothy Bates^o
 Ross, George William
 Rowse, Helena Brackett^m
 Rucker, Gladys L.
 Rue, William Roosevelt
 Ryder, Maude Alice^o

Samuelson, Mayme Bogdanoff^m
 Saunders, Marye Ceceil
 Savage, Florence H.
 Scates, Ivan Goodwin^m
 Schmitt, Mildred Mary
 Schnasse, Gertrude^a
 Schnitzlein, Anita^a
 Scott, Robert W.
 Scott, Violet Glenora
 Sealls, Margaret Carolyn
 Selby, Kenneth Edgerton
 Selgelid, Orville J.
 Sexsmith, Hazel Georgia^a
 Seymour, Glen Leslie
 Shank, Charles Howard, Jr.
 Shaw, Gretchen Adella^o
 Shaw, Mary Frances
 Shelton, Arthur L.
 Shuler, Beryl Oolaitia
 Shumway, George Alfred^a
 Silvers, Josephine Lois
 Sjaastad, Helga^a
 Slawson, Maude M.^a
 Slusher, Charlotte Bartlett^a
 Smith, Bertha May
 Smith, Dorothy Alice
 Smith, Janet Sarah^a
 Snyder, Ida Mae^a
 Sorenson, Gladys Margaret
 Sowers, Iva Lucile^a
 Spaeth, Aileen
 Stacy, Virginia^o
 Standard, Alta Virginia
 Stapleton, Margaret L.^a
 Staten, Mildred Mabelle^a
 Steele, Helen Davida
 Stephens, Inga Agnes^a
 Stephens, Mildred Beckwith
 Stixrud, Lydia Emelie^a
 Stixrud, Thora Louise^a
 Stone, Nellie Cecelia^a
 Strachan, Gertrude
 Sullivan, Robert Edward^a
 Swanson, Florence Lillian^a
 Swenson, Elaine Isabelle^a

Talbot, Katherine
 TeeGarden, Chester^a
 Thode, Elizabeth Turner
 Thomas, Margaret^a
 Thomas, Maurice J.
 Thomas, Roscoe Gillespie^m
 Turner, Cecelia Helena^a
 Turtle, Alice

Uhden, Esther Dorothy

Wallace, Roderick Alvin
 Wann, Arva W.^a
 Warner, Genevieve^a

Watkins, Eula May^M
 Weage, Ruth Woodruff^M
 Wedeberg, Sivert Matthew
 Wells, Ina
 Welts, Edith Barbara
 Welts, Richard Opdyke, Jr.^A
 Wendler, Gladys B.
 Whaley, Frances Carlisle^A
 White, Mary Helen
 Whitmore, Doris Grace^A
 Wilkins, Helen Genevieve
 Williams, Caroline
 Williams, Eda May Elsie

Williams, Roberta Friday
 Willoughby, Alice Beryl^A
 Willoughby, Elizabeth
 Wilson, Grace^D
 Wilson, Thelma
 Withrow, Faye
 Wolff, Wanda Marie
 Wyers, Marie^A
 Wynne, Ardis Ethelyn
 Young, Amie Olive^A
 Young, Mae Alice
 Young, William Wallace^D

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 Framo, Angel Devera^A

Pascual, Felix Felipe
 Serrano, Bartolome^D

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Baker, Charity Foxwell
 Banker, Helen Doris
 Baxter, Kirk S.^A
 Beager, Irma F.
 Bonner, Gertrude Geraldine^A
 Booman, F. Albert
 Brethorst, Alice Beatrice
 Brotnov, Marguerite^A
 Campbell, Marjorie Pierrot
 Carlson, Hulda Margaret^A
 Cartwright, Laura Dorothy
 Catton, Mildred Wheeler^D
 Christensen, Clara Mabel^M
 Cleland, Faith^A
 Cook, Jennie Nixon^A
 Crowder, Harriet Louise^A

Gellermann, Mildred Prescott
 Gellermann, William
 Graham, Charlotte^M
 Griffith, Ruth Armstrong^A
 Hall, Lucia Eloise^A
 Henderlite, Claude Elmer Victor^A
 Irwin, John Ivan^A

James, Marjorie Faulkner^A
 Jensen, Marian Gullette^A
 Johnston, Daniel Harvey
 Jones, Ella Katherine^A
 Jones, Margaret Slater^A

Dammann, Marjorie Luse^A
 Damon, Verne LaDue
 Davies, Violet^A
 Davis, Herbert Frederick
 Deierlein, Grace Margaret^D
 Doheny, Harriet Josephine
 Dore, Esther Agnes
 Dunn, Helen Marjory

Kellogg, George Albert^A
 Kizer, K. B.^A
 Lash, Frederick Merrick^A
 Luccock, Harriett O'Neil^A

Morford, Helen Irene^D
 Muckleston, Lois Way^D
 Myer, Thelma Anna Cecelia^A

Enger, Olive M.^A
 Ensley, Talitha Eldora^A
 Erspamer, Frank A.^A
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 Ettinger, Dorothy^A

Nelson, Beulah Mae^D

Olson, Marguerite^D

Fleming, Bessie Jean^M
 Fouts, Marie

Paine, Carol Margaret^D
 Pattison, Evelyn^D
 Pelz, Freda Elizabeth^M

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 Peterson, Anita May^A
 Powell, Mary Dayton
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 Pritchard, Roma Huntington

Robe, Vivian Moore^A

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 Sanden, Arthur G.^A
 Santee, Eva^A
 Sheahan, Myrtle^A
 Shirkey, Emily Frances^A
 Shumway, Ruth K.^A
 Spieseke, Alice Winifred

Stevens, Theodore George^A
 Tachell, Maud^A
 Thomas, Gertrude Marian^A
 Thompson, Aletha M.
 Wafer, Barbara
 Wakelee, Eva E.^A
 Warne, Ada Mary^A
 Wassberg, Clarence Edward^A
 Watson, Jean Ferguson^A
 Weaver, Grace^A
 Welts, Florence Aurelia^A
 Werby, Helena Johna^A
 Wheeler, Verna Mae^A
 Williams, Ethel Marjorie
 Wood, Muriel^D

HONOR GRADUATE IN THE LAW SCHOOL

Edward Starin

This award is made upon the basis of the best record for scholarship and personality made by any member of the present graduating class during the three years of law and his name is inscribed upon the plaque presented by the honorary law fraternity of Phi Alpha Delta.

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Adams, Henrietta Marguarite (Sci.)	Hoard, James Lynn (Engr.)
Adams, Lillianne Peixotto (L.A.)	Horton, Leah Lucille (Educ.)
Blum, John R. (Bus. Ad.)	McCullom, Lloyd (Sci.)
Brimston, Marion Georgia (Phar.)	Magee, John Homer (L.A.)
Carlston, Kenneth Smith (Bus. Ad.)	Melang, Bjorn (Engr.)
Cook, Chesley (Bus. Ad.)	Melson, Ray C. (Bus. Ad.)
Eby, Roger Irwin (Engr.)	Michaelson, Helen Margaret (Sci.)
Evenson, Wm. Ellsworth (L.A.)	Roach, Russell Albert (Bus. Ad.)
Farber, Lena (L.A.)	Smith, Bernice C. (L.A.)
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Hale, J. Grattan (Bus. Ad.)	Waters, Aaron Pearle (Sci.)
Harvey, Lora Mary (L.A.)	Williams, Ruth Helen (L.A.)
Hill, John Regli (Engr.)	Zimmerman, Philo Ralph (Bus. Ad.)

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Anderson, Helen G. (L.A.)	McCann, Helen R. (L.A.)
Anderson, Norman Bernard (Sci.)	McGregor, Ellen (L.A.)
Aruzumi, Kiyo (Miss.) (Phar.)	Nagamatsu, George Rio (Engr.)
Bailey, Henry Earnest (Bus. Ad.)	Noble, Mildred Alice (Sci.)
Belazzi, Roberta Anna (L.A.)	Parsons, William Budd (L.A.)
Bolles, Thomas D. (L.A.)	Pearl, Charles (Law)
Bowman, William C. (L.A.)	Price William Howard (Forestry)
Butt, Richard V. (Sci.)	Reed, Genevieve E. (L.A.)
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Cowan, Carol (L.A.)	Ross, Donald L. (Engr.)
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Fisher, Mary Alma (F.A.)	Silliman, Hugh G. (Engr.)
Fisken, Ruth K. (F.A.)	Storey, Eunice (L.A.)
Gerbel, Meribeth (L.A.)	Strandberg, Herbert (Engr.)
Glenn, Wesley S. (L.A.)	Straud, Roland Chester (Forestry)
Grace, Elizabeth B. (L.A.)	Sutton, Elizabeth (L.A.)
Hanley, Edward Burnette Jr. (L.A.)	Terry, Miriam (F.A.)
Hart, Rosamond Price (L.A.)	Van Tillborg, Laurence (Sci.)
Heinz, Winfield Bernard (Engr.)	Visser, William R. (Engr.)
Johnson, Anna Elizabeth (L.A.)	Walling, Dow (L.A.)
Johnson, Frederick Ashby (Engr.)	Walsh, Ellen Lucille (L.A.)
Kalk, Mary D. (F.A.)	White, Dorothy E. (L.A.)
Kellogg, Orlo B. (Law)	Wilson, Clotilde (L.A.)

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Anderson, Edith Lillian (L.A.)	Fisher, Dorsey Gassaway (L.A.)
Beckett, Eleanor May (L.A.)	Gayler, Anne Roberts (L.A.)
Bennett, Lois E. (F.A.)	Hopkins, Agnes M. (L.A.)
Black, Dorothy (L.A.)	Hagar, Irene Anna (L.A.)
Boyer, John F. (L.A.)	Henriot, Jane (L.A.)
Boyer, Virginia (Sci.)	Hirschman, Joy (Sci.)
Brewer, Vincent Robert (Bus. Ad.)	Jeffers, Helen Maxine (F.A.)
Brown, John E. (Fisheries)	Louis, Lillian (L.A.)
Duff, Edmund Egbert (Engr.)	Martin, Glenn C. (L.A.)
Duryee, Schuyler (Engr.)	McCarthy, Grace Agnes (L.A.)
Emmons, Ralph Waldo (L.A.)	Miller, Eloise Sarah (L.A.)

Miller, Vivian (L.A.)
 Moore, Katherine (L.A.)
 More, Katherine Frances (Sci.)
 Nordquist, Elsie E. (L.A.)
 Ottenheimer, Albert Martin (L.A.)
 Pease, Estelle Elizabeth (Sci.)
 Penington, Ruth Esther (F.A.)
 Perring, Norman C. (L.A.)
 Phelps, Saralette (L.A.)
 Ranning, Fred (Bus. Ad.)
 Rasmussen, Alice Irene (Bus. Ad.)
 Rawlings, Margaret Bell (L.A.)
 Robson, James (L.A.)
 Refling, Norman A. (L.A.)
 Secrest, Ruth Viola (F.A.)
 Scoville, Ray R. (Engr.)
 Smith, Charlotte B. (L.A.)
 Stevens, Richard E. (Bus. Ad.)
 Swart, Gilbert (Engr.)
 Talbott, Mary Morris (L.A.)
 Thrailkill, William L. (Engr.)
 Thompson, Margaret (L.A.)
 Ude, William (Bus. Ad.)
 U'Renn, Dorothy (L.A.)
 Wales, Helen (L.A.)
 Walker, Margery K. (L.A.)
 Weinstein, Harold (L.A.)

SECOND SOPHOMORE HONORS

Allen, Capitola Penches (L.A.)
 Anderson, Elizabeth M. (L.A.)
 Anderson, Louise May (L.A.)
 Ballaine, Wesley (Sci.)
 Berry, Theodore F. (L.A.)
 Blackaller, Mary Louise (F.A.)
 Blake, Maxine Urairie (L.A.)
 Bowerman, Daniel H. (L.A.)
 Brown, Jane (F.A.)
 Brown, Katherine Clair (Sci.)
 Burdic, Frances (L.A.)
 Burgeson, Elna Marie (F.A.)
 Burns, Dorothy Frances (L.A.)
 Byars, Roe Ferguson (L.A.)
 Chisholm, Frances Elizabeth (L.A.)
 Connor, Madeline M. (F.A.)
 Cramer, Dorothy M. (Sci.)
 Cryan, Eleanor (L.A.)
 Daly, Elizabeth (L.A.)
 Dickinson, Dorothy J. (L.A.)
 Doumit, Mitchell John (L.A.)
 Dranga, Clarence Melvin (L.A.)
 Dunbar, Helen Frances (L.A.)
 Foster, Robert Francis (Sci.)
 Foy, Raymond (L.A.)
 Franklin, Alice (L.A.)
 Garner, Louella Mae (L.A.)
 Gilbert, Harold Spencer (Bus. Ad.)
 Giuntoni, Julius Di Grazin (L.A.)
 Gorham, Helen Margaret (L.A.)
 Greer, Jean Elizabeth (Sci.)
 Hale, Eleanor E. (F.A.)
 Hecht, Ruth Elizabeth (F.A.)
 Henry, Florence N. (L.A.)
 Hitchings, George H. (Sci.)
 Hubbard, Arelina (L.A.)
 Hunt, Andrew Leigh (Sci.)
 Hunt, Ruby H. (L.A.)
 Imus, Henry Gerard (L.A.)
 Jackson, Virginia W. (L.A.)
 Jenner, Melvin Alfred (Engr.)
 Jensen, Leo Severyn (Bus. Ad.)
 Kane, Margaret Marie (L.A.)
 Kao, Tsi-Yu (Sci.)
 Kennedy, Mary Elizabeth (L.A.)
 Ketcham, Ruth Nadien (L.A.)
 Kimball, Stanley G. (L.A.)
 Konzo, Seichi (Engr.)
 Lensrud, Mabel English (L.A.)
 Loken, Clarice Elizabeth (F.A.)
 Long, Stanley Burr (L.A.)
 McCann, George (L.A.)
 McDonnel, Audrey (L.A.)
 McFarland, Charles Wm (For.)
 Mallett, John (Engr.)
 Miller, Ernest (L.A.)
 Moses, Clemenwell Loraine (F.A.)
 Nichols, Amelie Katherine (L.A.)
 Nohr, Elza Marjorie (L.A.)
 Nuckolls, Virginia (L.A.)
 Partee, Raymond A. (L.A.)
 Pearl, Gertrude Edith (Bus. Ad.)
 Porep, Helen Caroline (L.A.)
 Quast, Thomas (Fisheries)
 Ross, Frank L. Jr. (Bus. Ad.)
 Schaefer, Oscar (Bus. Ad.)
 Schroeder, Marvin L. (L.A.)
 Scott, Robert McDonald (Engr.)
 Sensenig, Kathryn Viola (L.A.)
 Smith, Herbert Hawley (Engr.)
 Smith, Louise (L.A.)
 Stager, Helen Elizabeth (Sci.)
 Steiner, Griffith Dean (L.A.)
 Strouse, Margaret Frances (F.A.)
 Suomela, George E. (L.A.)
 Sweeney, Mary Elizabeth (L.A.)
 Thielman, Edith May (F.A.)
 Thole, Marjorie F. (L.A.)
 Thompson, Katherine (Sci.)
 Travis, Virginia (L.A.)
 Trumbull, Barbara Ellen (L.A.)
 Upton, Ralf (L.A.)
 Van Horn, Theodora (L.A.)
 Ware, Jeannette Huntington (L.A.)
 Waters, Ellen Harriet (Sci.)
 Wetherell, Ernest (L.A.)
 White, H. Edwin (L.A.)
 White, Rosalind Florence (L.A.)
 Wiegel, Margaret Montida (L.A.)
 Willard, Aileen (L.A.)
 Williams, Audrey B. L. (Bus. Ad.)
 Winegar, Roger McDonnell (L.A.)
 Wortham, Robert (L.A.)

FRESHMAN HONORS

- Adams, Joseph Peter (L.A.)
 Andreev, Nicholas (Fish.)
 Asp, Nogi (Sci.)
 Aronin, Anna (L.A.)
 Austin, Helen (L.A.)
 Bagby, Loretta Della (L.A.)
 Ball, John Knox (Engr.)
 Bard, Elizabeth A.C. (Betsy) (F.A.)
 Barnes, Clifford (Sci.)
 Barnhart, Margaret (F.A.)
 Bell, Hazel Lamar (L.A.)
 Bellamy, Tennys F. (F.A.)
 Benham, Caroline (L.A.)
 Bock, Russell Samuel (Bus. Ad.)
 Bolster, William (Engr.)
 Botsford, Lawrence (L.A.)
 Bouck, Edna (F.A.)
 Boyd, Helen (L.A.)
 Boyd, Jeannette D. (L.A.)
 Bradley, Arvid M. (L.A.)
 Buchanan, Charles R. (Bus. Ad.)
 Burnett, Mariana R. (L.A.)
 Caldwell, Muriel (L.A.)
 Cardwell, Elizabeth (L.A.)
 Cartano, Margaret C. (L.A.)
 Cavender, Fern (L.A.)
 Chandler, Marjorie (F.A.)
 Cluck, Jack Raymond (L.A.)
 Craven, Eleanor A. (L.A.)
 Crawford, G. Marshall (Sci.)
 Cruttenden, Viola (F.A.)
 Davidson, Lorna Effie (L.A.)
 Davis, Lenna Gladys (L.A.)
 Delanty, William (Bus. Ad.)
 Dewitt, Ruth Evelyn (F.A.)
 Durham, Howard E. (L.A.)
 Eastwood, Louise (L.A.)
 Edlund, Maurice (L.A.)
 Edwards, William W. (L.A.)
 Eide, Gudrun Cecilia (L.A.)
 Ellerbach, Karl H. (Engr.)
 Eng, Richard (Sci.)
 Engler, James George (L.A.)
 Estey, Emily S. (Mrs.) (L.A.)
 Falk, David Richard (Bus. Ad.)
 Fenton, Elizabeth (L.A.)
 Fesenmaier, Athyleen (L.A.)
 Flint, Floyd Oscar (L.A.)
 Foote, Harriette Evans (F.A.)
 Forbes, Evelyn Gertrude (Sci.)
 Freund, Julia (L.A.)
 Gates, Alice Elizabeth (L.A.)
 Gilbert, Rachel Maude (L.A.)
 Gordon, Jean (L.A.)
 Gourlay, Robert Cross (L.A.)
 Gowen, Sylvia Mary (L.A.)
 Gracey, Clellan B. (Bus. Ad.)
 Gray, Helen E. (L.A.)
 Greenberg, Eloise A. (F.A.)
 Hadsell, Robert Lee (Bus. Ad.)
 Haltom, Ramona (L.A.)
 Hanson, Helen (L.A.)
 Hardy, Martha E. (L.A.)
 Harris, John F. (L.A.)
 Hartle, Frances M. (L.A.)
 Hazen, Margaret (L.A.)
 Head, Pauline (F.A.)
 Herren, Naomi E. (L.A.)
 Hilyur, Theo F. (L.A.)
 Hinckley, Katheryne (F.A.)
 Hoag, Alberta (L.A.)
 Hoff, Ebbe Curtis (Sci.)
 Hoff, Hebbel Edward (Sci.)
 Hulhauser, Margery (L.A.)
 Jensen, Phyllis L. (L.A.)
 Jennings, Elizabeth (L.A.)
 Jensen, Kenneth (Bus. Ad.)
 Johns, Harold Nash (Bus. Ad.)
 Johns, Leota Lois (L.A.)
 Johnson, Carl Henry (Sci.)
 Johnson, Eloise Ruth (L.A.)
 Joslin, Margaret (L.A.)
 Kopika, Irja Hyne (F.A.)
 Kassebaum, Karl Frederick (L.A.)
 Kelly, Virginia V. (L.A.)
 Kimura, Tadao (L.A.)
 Kyle, James H. (L.A.)
 Lang, Joseph William (Engr.)
 Lansdown, Lois (F.A.)
 Lemon, Ella (F.A.)
 Leonard, Gordon Owen (Sci.)
 Leverenz, Nayden (L.A.)
 Lundquist, Ella Mae (Phar.)
 March, Martha Jane (L.A.)
 McCanne, Gertrude Elizabeth (F.A.)
 McKay, Elizabeth M. (L.A.)
 McMullen, E. Lyle (L.A.)
 Mickelwait, Lowell P. (Bus. Ad.)
 Millar, Melville L. (Phar.)
 Minaker, Cecil W. (Bus. Ad.)
 Moe, Barney (F.A.)
 Montfort, Mary L. (L.A.)
 Morgan, Helen Ethel (L.A.)
 Morry, Lucile K. (L.A.)
 Mund, Vernon A. (Bus. Ad.)
 Murray, Virginia (F.A.)
 Nelson, Helen Clair (Bus. Ad.)
 Newell, Richard (Engr.)
 Nichols, Claudia May (L.A.)
 Nielsen, Stuart K. (F.A.)
 O'Connor, Helen M. (L.A.)
 O'Keane, Frances E. (F.A.)
 Oliver, Marguerite J. (L.A.)
 Olson, Nels Kermit H. (Engr.)
 Orr, Robert S. (Engr.)
 Otani, Kikuye (L.A.)

Padelford, Eunice B. (L.A.)	Smith, Theodore (Sci.)
Parrington, Louise (L.A.)	Snoke, Albert M. (Sci.)
Park, J. Howard (Engr.)	Soderling, Harriet (F.A.)
Patjens, Irene Lillian (L.A.)	Stanley, Marjorie R. (F.A.)
Patzner, Sidney (L.A.)	Stewart, Jean D. (F.A.)
Paynton, Charles S. (L.A.)	Stokes, Margaret Ruth (L.A.)
Pearson, Mabel V. (F.A.)	Stone, Harold Riley (L.A.)
Pence, Etta Belle (L.A.)	Swenson, Helen M. (L.A.)
Peterson, Arleen (L.A.)	Stybor, Winnifred M. (L.A.)
Peterson, William Clarence (L.A.)	Taylor, Kyle Elden (F.A.)
Pierce, Earl R. (Engr.)	Tellefson, Thorwold (L.A.)
Pollock, David E. (Bus. Ad.)	Templeton, David D. (Bus. Ad.)
Porter, Robert D. (Engr.)	Tilley, John Norman (Sci.)
Potter, Helen Agnes (L.A.)	Tower, James A. (L.A.)
Pringle, Robert (Engr.)	Turner, Edwin T. (F.A.)
Putnam, Ruth A. (L.A.)	Theodorson, Alice T. (L.A.)
Rawson, Frances (F.A.)	Ulverstag, Solevig (L.A.)
Reed, Ruth Eileen (Bus. Ad.)	Wagner, Robert H. (Engr.)
Remy, Evelyn Mildred (F.A.)	Walker Cedric Wm. (For.)
Robison, John Holt (Sci.)	Wang, Laura Katherine (L.A.)
Rose, Julia F. (F.A.)	Ward, Donna Gertrude (F.A.)
Rosenstein, Sophie (L.A.)	Warren, C. Clair (Bus. Ad.)
Runden, Ruth Irene (L.A.)	Warren, William Grant (L.A.)
Rutledge, Charles E. (Engr.)	Weir, Mary Frances (L.A.)
Ryan, Frank W. (L.A.)	Wheeler, Wallace B. (L.A.)
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Singer, Cecil Allen (Bus. Ad.)	Wilson, Evelyn M. (F.A.)
Skinner, Selby M. (L.A.)	Wohlmacher, Wm. E. (F.A.)
Smith, Harriette Gladys (L.A.)	Woodhouse, Merle M. (L.A.)
Smith, Katherine (L.A.)	

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John Ralph Blum	Ivan William Meyer
Paul Michael Buffalo	Alvord DeWitt Noble
James Albert Campbell	Andrew Sorensen
George Henry Dietz	Thomas Brents Stirling
Frank Marion Dunn	Mentor Lee Williams
Russell Burrowes Gierin	

SECOND LIEUTENANT, COAST ARTILLERY

Frederick Babbitt	Irving Thorell Hallstrom
Francis Bash	Oscar Dayton Lanning
George Thomas Benjamin	Amos C. McCane
Wallace Chester Dittmore	Loyal T. R. Snyder
Harold Arnold Gardner	

SECOND LIEUTENANT, AIR SERVICE

Clifford Milton Briggs	Will Pruessman
Chester Newton Byles	Joe Seamons
Everett Louis Comings	Otis Woodall

HONOR GRADUATES OF THE RESERVE OFFICERS' TRAINING CORPS

George Henry Dietz	Joe Seamons
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FELLOWSHIPS, SCHOLARSHIPS AND PRIZES

JUNE 15, 1925

†THE LORETTA DENNY FELLOWSHIPS

†THE ARTHUR A. DENNY FELLOWSHIPS

†FELLOWSHIPS IN THE COLLEGE OF MINES AND THE NORTHWEST EXPERIMENT
STATION UNITED STATES BUREAU OF MINES

†THE DUPONT FELLOWSHIP

†THE EFFIE I. RAITT RESEARCH FELLOWSHIP IN NUTRITION

COLUMBIA UNIVERSITY FELLOWSHIP IN MINING ENGINEERING AND CHEMISTRY
Not awarded

THE SAMUEL ROSENBERG SCHOLARSHIP IN FRENCH
Isabel Donald

THE ISABELLA AUSTIN MEMORIAL SCHOLARSHIP
Florence Henry

THE GAMMA PHI BETA SCHOLARSHIP
Sophia Coyne

THE FREDERICK AND NELSON SCHOLARSHIPS

Kenneth Strotler

Marguerite Grantham

Alternates

Charles McAllister

Lodie May Clark

THE BETA GAMMA SIGMA SCHOLARSHIP
Dudley Prentice

THE CLIMAX LOCOMOTIVE SCHOLARSHIP IN FORESTRY
Frank Henry

THE VENINO SCHOLARSHIP IN MUSIC
Norma Gertrude Clem

THE MU PHI EPSILON SCHOLARSHIP IN MUSIC
Helen Maxine Jeffers

THE BEECHER KIEFFER MEMORIAL SCHOLARSHIP IN MUSIC
David Lincoln Burnam

THE PAUL KARSHNER MEMORIAL SCHOLARSHIPS
Asa Sherwood Alice Larson

†See pages 14, 15.

University of Washington

THE JUDGE ALFRED BATTLE PRIZE IN PUBLIC SPEAKING AND DEBATE
 William Larkin Wesley Randall

THE E. F. BLAINE PRIZE IN ORATORY
 Awarded to the University of Oregon

THE FRATERNAL ORDER OF EAGLES PRIZE
 Donald Potter Lawrence Seltzer

THE PHILO SHERMAN BENNETT ESSAY PRIZE IN POLITICAL SCIENCE
 Charles Horowitz

THE CARSTENS AND EARLES ESSAY PRIZES IN BUSINESS ADMINISTRATION
 Douglas Arthur Whitcomb Rufus John Benedict
 Barclay J. Sickler

THE CHARLES H. BEBB PRIZE IN ARCHITECTURE
 Walter Charles Wurdeman Helen Graham
 Ben S. Davis

THE NORTHERN CLAY COMPANY PRIZE
 T. T. Matsumoto Frank Nagomine
 Senchi Washizuka

THE CHARLES LATHROP PACK FOUNDATION PRIZE IN FORESTRY
 Raymond F. Taylor

THE OMICRON NU PRIZE IN HOME ECONOMICS
 Helen Stager

THE JUDGE THOMAS BURKE PRIZES FOR EXCELLENCE IN FRENCH
 Virginia Scranton Boutelle Helen Dales McCabe

THE N. PAOLELA GOLD MEDAL FOR EXCELLENCE IN ITALIAN
 Lillian Jackson

THE LEHN AND FINK GOLD MEDAL FOR PHARMACEUTICAL ESSAY
 Caty Josephine Braford

THE LINTON MEMORIAL AWARD
 Gustave B. Swanson

THE JUNIOR MILITARY PRIZE
 Harry Joseph Wheaton

Prizes not awarded

THE JUDGE KENNETH MACKINTOSH PRIZE IN DEBATE

THE JAGGARD PRIZE IN LAW

THE BURKE CHINA CLUB PRIZE

THE A. MERLINO PRIZE

REGISTER OF STUDENTS—1925-1926

Aagaard, Helen LA.....Seattle
Aalbu, Dorothy, LA.....Everett
Aannevik, Gudrunn, Bus.....Seattle
Abbott, Robert C, Bus.....Seattle
Abbott, Susan, LA.....Seattle
Abel, Dorothy Louise, LA.....Montesano
Abel, George F, LA.....Montesano
Abel, W C, For.....Montesano
Abella, Roman V, Engr.....Yakima
Abella, Sebastian, LA.....Philippines
Abian, Federico B, LA.....Philippines
Abian, Guillermo, Fsh.....Philippines
Abogadie, M A, Phar.....Philippines
Abrams, Evelyn, Sci.....Seattle
Abrams, Madeleine, LA.....Seattle
Acena, Casimiro, LA.....Philippines
Ackles, Neva Z, LA.....Seattle
Ackley, Elene, LA.....Tacoma
Ackley, Herbert M, Bus.....Vancouver
Ackley, Lee, FA.....Vancouver
Adair, Chester C, Engr.....Seattle
Adair, Helen, LA.....Seattle
Adams, S Catherine, FA.....Arlington
Adams, Clyde B, Sci.....Richmond Beach
Adams, Eleertine, LA.....Kelso
Adams, Everett, Bus.....Seattle
Adams, J Gordon, Sci.....Shelton
Adams, Jane Ford, Grad.....Seattle
Adams, Henrietta M, Sci.....Seattle
Adams, Joseph, LA.....Seattle
Adams, Lola, Bus.....Oak Harbor
Adams, Phil, Sci.....Tacoma
Adams, Sidney, Sci.....Peshastin
Adamson, L J, Engr.....Seattle
Ademino, John, Bus.....Cle Elum
Adkins, Helen B, LA.....Seattle
Ahlskog, Amella, Bus.....Spokane
Ailshie, Wm K, LA.....Idaho
Aitchinson, Helen, LA.....Spokane
Aitken, Agnes Elizabeth, LA.....Seattle
Ajax, Marjorie, Phar.....Seattle
Akishim, Alex, Engr.....China
Albertson, Lois L, FA.....Seattle
Albi, Eleanor Lucille, FA.....Spokane
Albin, Robert L, LA.....Mercer Island
Albin, Virginia, LA.....Mercer Island
Albrecht, Herta M, Bus.....Seattle
Alcabedaz, Buenaventura P, LA.....Philippines
Aldrich, Berta, LA.....Everett
Aldrich, Ione U, LA.....Everett
Aldridge, Edwin, Bus.....Seattle
Alderson, Tom M, Fish.....Seattle
Alexander, May, Sci.....Seattle
Alexander, Phyllis, FA.....Bryn Mawr
Alexander, R G, LA.....Seattle
Alexalt, A V, Engr.....Seattle
Alfred, Walter, LA.....Seattle
Algzer, L C, Bus.....Skykomish
Algzer, Orrville, LA.....Skykomish
Alleman, Marion Elwell, Grad.....Seattle
Allen, Aileen, LA.....Seattle
Allen, Ann Rachel, LA.....Tacoma
Allen, Anne Bayless, LA.....Olympia
Allen, Barbara, Edu.....Yakima
Allen, Capitola F, LA.....Seattle
Allen, Edithanne, LA.....Seattle
Allen, Edith H, LA.....Seattle
Allen, Edith I, LA.....Bremerton
Allen, Frances, FA.....Tacoma
Allen, Glen V, LA.....Winthrop
Allen, Gordon C, For.....Seattle
Allen, Guerdon S, LA.....Seattle
Allen, Harvey S, LA.....Spokane
Allen, Kathryn, LA.....Seattle
Allen, Lovada, FA.....Seattle
Allen, Maxine L, FA.....Seattle
Allen, Richard, LA.....Seattle
Allen, Russell S, Bus.....Milltown
Allison, Elton R, Sci.....Centralia
Allison, Katherine, LA.....Seattle

Almquist, Eddie E, LA.....Seattle
Almvig, Helen O, LA.....Everett
Alston, John Francis, LA.....Everett
Altergott, Alex Jr, LA.....Seattle
Alutin, Alexander, For.....Russia
Alyca, Leslie, For.....Seattle
Ames, Percy G, Bus.....Everett
Ames, Willis, LA.....San Francisco, Cal
Amundsen, Elliott M, LA.....Long Beach, Cal
Anawalt, Howard, FA.....Montrose, Cal
Anches, Leah, LA.....Seattle
Andersgaard, Amber, Sci.....Comstock, Minn
Anderson, Alice Elizabeth, Sci.....Seattle
Anderson, Arthur R, Sci.....Seattle
Anderson, Andrew Leonard, Sci.....Hoquiam
Anderson, Anton L, Law.....Creston
Anderson, Audrey, LA.....Seattle
Anderson, Bernard A, For.....Dassel, Minn
Anderson, Carl G, Bus.....Seattle
Anderson, Carletta K, Sci.....Seattle
Anderson, Clarence C, Bus.....Seattle
Anderson, David, FA.....Seattle
Anderson, Dean, Bus.....Seattle
Anderson, Dorothy I, Sci.....Seattle
Anderson, Earl W, Engr.....Spokane
Anderson, Edith, LA.....Spokane
Anderson, Edward C, Engr.....Bellingham
Anderson, Edward J, Bus.....Seattle
Anderson, Edwin L, Bus.....Chinook
Anderson, Eleanor L, Bus.....Seattle
Anderson, Enoch A, Engr.....Seattle
Anderson, Erment C, LA.....Vancouver
Anderson, Esculene, LA.....Seattle
Anderson, Georgia, LA.....Seattle
Anderson, George A, Bus.....Spokane
Anderson, J Harold, Law.....Seattle
Anderson, Harold W, Law.....Seattle
Anderson, Harold W, Min.....Chehalis
Anderson, Helen G, LA.....Seattle
Anderson, Helen Marie, Sci.....Seattle
Anderson, Herbert, Bus.....Seattle
Anderson, Hilda, LA.....Seattle
Anderson, Hulda, LA.....La Grande, Or
Anderson, John E, Sci.....Harrington
Anderson, Larz, LA.....Seattle
Anderson, Lillian Ida, Sci.....Anacortes
Anderson, Lloyd A, Engr.....Roy
Anderson, Logan, Bus.....Edmonds
Anderson, Louise M, LA.....Tacoma
Anderson, Lucile, Sci.....Seattle
Anderson, Margaret, FA.....Seattle
Anderson, Maurice J, Bus.....Seattle
Anderson, Norman B, Sci.....Seattle
Anderson, Roy A, LA.....Ketchikan, Alaska
Anderson, Ruth M, FA.....Seattle
Anderson, Theodore R, Engr.....Creston
Anderson, Virgil B, LA.....Silverdale
Andonian, Mihran P, Bus.....Olympia
Andreance, Louis C, For.....Enumclaw
Andresen, Margrit, FA.....Port Angeles
Andresen, Margrit L, Sci.....Port Angeles
Andreev, Nicholas N, Jr, Fah.....Seattle
Andrew, Helen K, LA.....Seattle
Andrew, Clarence A, Bus.....Seattle
Andrews, Harriet, Sci.....Seattle
Andrews, Roy G, Engr.....Bellingham
Andrews, R M, Bus.....Tacoma
Andrus, Eleanor, LA.....Portland, Ore
Angst, Dorothy E, LA.....Seattle
Angus, Dulcie A, LA.....Seattle
Ankele, Felice, Grad.....Seattle
Anunciacion, Lucas, LA.....Philippines
Annibal, Mary G, LA.....Seattle
Antomuh, Michael, Engr.....Winslow
Antoncich, Stephen C, Bus.....Winslow
Antonora, Helen A, Min.....Seattle
Applegate, Kenneth W, Sci.....Everett
Applegren, Frederick W, Fsh.....Seattle
Appleton, Harry, LA.....Bellingham
Appleton, Marlon B, LA.....Seattle

Aquino, Juan P. Bus.....	Philippines
Aral, H. Engr.....	Seattle
Aral, Clarence T. Grad.....	Seattle
Aral, Tom F. Bus.....	Seattle
Archer, Arden F. Bus.....	Walla Walla
Archer, Mary, LA.....	Seattle
Archev, Norman D. Engr.....	Seattle
Arend, Harry O. Law.....	Spokane
Arentsen, Haroed, Bus.....	Seattle
Arias, Andres Jr. LA.....	Philippines
Arlizumi, Kiljo. Pharm.....	Seattle
Arima, John Kiyoshi, Engr.....	Auburn
Armand, Marion, LA.....	Seattle
Armstrong, Edith E. FA.....	Ritzville
Armantrout, C Wayne, LA.....	Centralia
Armistead, Helen L. LA.....	Seattle
Arms, Dorothy, Sci.....	Outlook
Armstrong, Everett, Phar.....	Havre, Mont
Armstrong, Grant, LA.....	Chehalis
Armstrong, Homer B. Bus.....	Seattle
Armstrong, Hubert C. LA.....	Grandview
Armstrong, Nelson B. LA.....	Bowmanville Ont
Armstrong, Wm L. Bus.....	Havre, Mont
Armstrong, Wilmet, Bus.....	Everett
Arnell, Rebecca, Edu.....	Auburn
Arnell, Rupert E. Sci.....	Auburn
Arnesen, B T, LA.....	Seattle
Arneson, Gladys, FA.....	Hoquiam
Arneson, Gus, For.....	Puyallup
Arneson, Elias T. Grad.....	Puyallup
Arneson, Violette, LA.....	Puyallup
Arnud, Wm Fred, LA.....	Portland, Ore
Arnold, Everet F. LA.....	Seattle
Arnold, Albert H. Bus.....	Seattle
Arnold, Gladys May, Sci.....	Seattle
Arnold, Winifred, FA.....	Oswego, Ore
Arthur, Jean, FA.....	Seattle
Artus, George Lawrence, Sci.....	Seattle
Aronin, Anna, LA.....	Seattle
Asamura, Frank, Bus.....	Seattle
Asher, Katharine, LA.....	Portland, Ore
Ashby, Paul, LA.....	Seattle
Ashford, Paul L. FA.....	Raymond
Ashley, Ethel, FA.....	Spokane
Ashley, Paul P. Law.....	Seattle
Ashley, Wanda J. LA.....	Seattle
Ashton, Philip F. Sci.....	Seattle
Ashwell, L W. Bus.....	Seattle
Aslakson, Harry, Bus.....	Wenatchee
Asp, Nogi A. Engr.....	Seattle
Astrup, Bert, LA.....	Seattle
Atkins, Charles B. Engr.....	Butte, Mont
Atkins, Donald A. LA.....	Butte, Mont
Atkins, Edith M. Sci.....	Bellingham
Atkins, Frank, LA.....	Seattle
Atkinson, Paul T. Bus.....	Cosmopolis
Audett, Theo, Law.....	Seattle
Augustine, Webster, LA.....	Monroe
Auld, Harold H. Bus.....	Yakima
Ault, Marguerite E. LA.....	Honolulu
Aumann, Dorothy, LA.....	Port Angeles
Austin, Gertrude, LA.....	Seattle
Austin, Grannis, LA.....	Everett
Austin, Harold D. LA.....	Aberdeen
Austin, Helen, LA.....	Spokane
Austin, Katharine T. LA.....	Fresno, Cal
Austin, Mary Cathern, LA.....	Seattle
Averill, Ira G. Bus.....	Methow
Avery, Dorothy, FA.....	Seattle
Avery, Margaret, LA.....	Seattle
Awender, Peter John, Bus.....	Lefor, N.D.
Aze, Erwin F. Bus.....	Seattle
Ayers, Dorothy E. LA.....	Seattle
Ayers, Ethel F. LA.....	Olympia
Ayres, Helen Crookham, LA.....	Seattle
Babcock, Dora A. Sci.....	Seattle
Babbitt, Ardsley, LA.....	Seattle
Babb, Marjorie F. LA.....	Long Beach, Cal
Babin, Clifford E. Engr.....	Seattle
Bache, Hazel K. LA.....	Seattle
Bachman, Paul S. Grad.....	Seattle
Bachman, Raymond, Jour.....	Spokane
Backland, John J. LA.....	Seattle
Backus, Emmanell, LA.....	Seattle
Bacon, Stephen C. Engr.....	Seattle
Badger, Harold R. Engr.....	Centralia
Budgley, Chas H. Bus.....	Seattle
Baes, Engla Bernice, Edu.....	Seattle
Bagassan, Juan Z. Bus.....	Philippines
Baggott, Renaldo A. LA.....	Wenatchee
Bagwill, Thomas V. LA.....	Anox, Canada
Bahnsen, M D. Bus.....	Helena, Mont
Bailly, Wm E. Engr.....	Tacoma
Bailley, Arthur E. Prov Law.....	Seattle
Bailley, Eleanor F. Sci.....	Seattle
Bailley, Henry B. Bus.....	Seattle
Bailley, Katharine A. LA.....	Seattle
Bailley, Lawrence, LA.....	Seattle
Bailley, F Miriam, Sci.....	Monroe
Bailley, Robert H. LA.....	Harper
Bain, David, Bus.....	Seattle
Bair, Donald, LA.....	Helena, Mont
Baird, Harriet, LA.....	Seattle
Bakeman, Chas. Engr.....	Snohomish
Baker, Donald B. Engr.....	Olympia
Baker, Dorothy, LA.....	Seattle
Baker, Edward, For.....	Redmond
Baker, E Melrose, LA.....	Seattle
Baker, Everett A. Bus.....	Yakima
Baker, Harold V. Bus.....	Puyallup
Baker, Helen M. LA.....	Seattle
Baker, Irene, LA.....	Seattle
Baker, Irene Harriet, LA.....	White Salmon
Baker, Paul B. LA.....	Seattle
Baker, Ray, F. Bus.....	Vancouver
Baker, Rena Rose, Edu.....	Robe
Baker, Vena E. LA.....	Seattle
Baker, Virginia C. FA.....	Orting
Balogot, Ahmed, LA.....	Philippines
Balch, Albert S. Bus.....	Blaine
Balcom, C Maurice, LA.....	Grandview
Baldwin, W H. LA.....	Seattle
Bale, Genevieve G. Edu.....	Seattle
Ball, Fred, Sci.....	Seattle
Ballaine, Francis H. LA.....	Seattle
Ballaine, Jerrold F. Engr.....	Seattle
Ballaine, Wesley C. Sci.....	Bellingham
Ballard, Norl T. Pharm.....	Seattle
Balsiger, Helen, FA.....	Seattle
Balyea, Catherine M. LA.....	Seattle
Balzer, Elsie, Sci.....	Spokane
Balzer, Walter W. Bus.....	Spokane
Bandy, Altha, LA.....	Buffalo, Wyo
Bangs, Beulah, FA.....	Tacoma
Banker, Gordon F. Bus.....	Seattle
Banker, Grant, Bus.....	Winthrop
Banks, Louise, LA.....	Seattle
Banks, Newell J. LA.....	Centralia
Banks, Rebecca E. Sci.....	Seattle
Banks, W C. LA.....	Yakima
Banton, Mary Elizabeth, Sci.....	Walville
Baptista, Nicolas S. Sci.....	Philippines
Barber, Clarence A. Bus.....	Reardon
Barber, Helen H. Bus.....	Seattle
Barber, Helen S. LA.....	Seattle
Barber, H Marguerite, LA.....	Cheney
Barber, Zay, Grad.....	Seattle
Barbour, Dana Mills, LA.....	Seattle
Barclay, Lloyd, LA.....	Seattle
Bard, Betsy, FA.....	Seattle
Bard, Burton E. Min.....	Seattle
Bare, Margaret, LA.....	Tacoma
Bargreen, Howard S. Bus.....	Everett
Barkley, Anna, Sci.....	Seattle
Barker, Burke G. LA.....	Seattle
Barker, Carroll D. Sci.....	Seattle
Barley, Ruth, LA.....	Seattle
Barlow, Marvin K. FA.....	Bellingham
Barlow, Max, LA.....	Bellingham
Barnaby, J T. Fsh.....	Seattle

Barnard, Louise, Sci.....Seattle
 Barnes, Chester F, LA.....Seattle
 Barnes, Edward E, LA.....Seattle
 Barnes, Lucy R, Grad.....Seattle
 Barnes, Wendell, Edu.....Goldendale
 Barnett, Grace K, FA.....Bremerton
 Barnett, Mack F, Sci.....Tacoma
 Barnett, William A, LA.....Seattle
 Barnhart, Florence, Sci.....Tacoma
 Barnhart, Lois Amelia, LA.....Mica
 Barnhart, Margaret, FA.....Seattle
 Barnhart, Thos, LA.....Snohomish
 Barnwell, Cecilia K, Educ.....Albia, Iowa
 Barquist, Walter C, Min.....Seattle
 Barquist, Wm S, Min.....Seattle
 Barr, Edward James, FA.....Seattle
 Barr, Gertrude G, Grad.....Seattle
 Barr, Virginia, Sci.....Seattle
 Barrett, Clara E, LA.....Inkom, Ida
 Barron, Carolyn, Sci.....Seattle
 Barron, Dorothy F, Edu.....Seattle
 Barron, Frances V, LA.....Sitka, Alaska
 Barron, Gwendolyn, LA.....Machias
 Barry, Violet M, FA.....Seattle
 Bartell, Louise, LA.....Seattle
 Bartell, Virginia, FA.....Seattle
 Barth, Francis A, Bus.....Great Falls, Mont
 Barthelmy, Lillian, FA.....Seattle
 Bartine, Wesley B, LA.....Seattle
 Bartlett, George K, Bus.....Seattle
 Bartlett, Louise, LA.....Astoria, Ore
 Bartley, Dorothy, Bus.....Seattle
 Bartley, J Leland, LA.....Zillah
 Bartolome, Gregorio F, Fsh.....Philippines
 Barton, Howard E, Bus.....Omak
 Bawcom, Hartzell W, Law.....Monroe
 Bash, Francis C, Sci.....Seattle
 Basler, Velson T, LA.....Bremerton
 Bashor, T C, Law.....Seattle
 Bass, Ernest, Bus.....Seattle
 Bassage, Harold E, LA.....Seattle
 Bassford, Lois E, LA.....Seattle
 Bassi, Agapito L, LA.....Philippines
 Batchelor, Louis, LA.....Spokane
 Bates, Maurice, Sci.....Seattle
 Battle, Carmen A, LA.....Twisp
 Batle, Velma M, LA.....Twisp
 Batman, Lillian Monroe, Bus.....San de Fuca
 Bauer, Harold G, LA.....Seattle
 Bauer, Harold F, Engr.....Seattle
 Baughtman, Beatrice, Bus.....Seward, Alaska
 Baulay, Maise, LA.....Ontario, Calif
 Baum, Catherine L, LA.....Seattle
 Baumann, H N Jr, Grad.....Seattle
 Baumgartner, Grace, Grad.....Seattle
 Baunsgard, Lee A, Engr.....Seattle
 Bautista, Enrique, Engr.....Philippines
 Bautista, Felino, For.....Philippines
 Baxter, Fredda Emella, LA.....Seattle
 Bayles, Geo M, Bus.....Seattle
 Bayley, Madeline V, FA.....Seattle
 Bayley, Mildred, FA.....Seattle
 Bayley, Nettie E, LA.....Seattle
 Bayliss, Lawrence, Engr.....Seattle
 Bazzett, Hamilton S, Grad.....Seattle
 Beach, Morton P, Sci.....Shelton
 Beal, Mrs Maud, LA.....Seattle
 Beall, Mrs Kathryn, LA.....Seattle
 Beansom, Rev James P, LA.....Seattle
 Beaty, Josephine A, FA.....Seattle
 Beatty, Vera A, Bus.....La Grande, Ore
 Beaudin, Grace E, Sci.....Juneau, Alaska
 Bechtold, Louis O, Engr.....Seattle
 Beck, Alvar Jacob, Bus.....Tacoma
 Beck, Helen M, LA.....Seattle
 Beck, James B, LA.....Seattle
 Beck, Jean, Sci.....Seattle
 Beck, Lou W, Sci.....Seattle
 Beck, Robert E, Phar.....Tacoma
 Beck, William H, Bus.....Seattle
 Becker, George J, FA.....Yakima

Becket, Ethelyn M, LA.....Seattle
 Becket, Hugh M, Edu.....Seattle
 Becket, Welton D, FA.....Seattle
 Beckett, E Edgar, LA.....Seattle
 Beckett, Eleanor M, LA.....Seattle
 Beckmann, Jewel M, FA.....Seattle
 Beckurth, Frances K, LA.....Seattle
 Beehe, Dorothy E, FA.....Seattle
 Beede, Alan F, Bus.....Seattle
 Beek, John Jr, Sci.....Seattle
 Beers, F T Jr, LA.....Du Pont
 Beers, Gwendolyn, LA.....Seattle
 Beers, Margaret, Sci.....Du Pont
 Beeson, Paul, Bus.....Anchorage, Alaska
 Beggs, Katharine, LA.....Spokane
 Behan, James E, Bus.....Seattle
 Behnke, Clare, LA.....Sunnyside
 Behrend, Gilbert D, Bus.....Chehalis
 Behrens, Audrey M, LA.....Seattle
 Bell, Iris M, LA.....Seattle
 Belden, Eileen, LA.....Seattle
 Belden, M B, Engr.....Portland, Ore
 Belknap, Stephens M, LA.....Seattle
 Bell, Burnby, LA.....Astoria, Ore
 Bell, Hazel, LA.....Seattle
 Bell, Lucile B, Bus.....Seattle
 Bell, Milo C, Engr.....Seattle
 Bell, Wyloha, Grad.....Seattle
 Bellamy, Tennys, FA.....Seattle
 Bellazzi, Roberts A, LA.....Seattle
 Bellman, F Barbara, LA.....Seattle
 Bemhard, Carl, Engr.....Seattle
 Bendes, Herbert Wallace, Bus.....Seattle
 Benedum, Clara, LA.....Veradale
 Benham, Caroline, LA.....Seattle
 Benham, Dorothy, Grad.....Seattle
 Benham, Merton R, LA.....Seattle
 Bellro, Antonio, LA.....Philippines
 Benton, Marion, LA.....Seattle
 Benner, Lawrence, Bus.....Oak Harbor
 Bennest, Alfred F, Engr.....Seattle
 Bennett, George, LA.....Seattle
 Bennett, James G, Bus.....Chinook
 Bennett, Lillian V, Sci.....Seattle
 Bennett, Lois Elaine, FA.....Seattle
 Bennett, Sumner W, Bus.....Fall City
 Bennett, Thomas, For.....Kirkland
 Bennett, Willard B, LA.....Bremerton
 Bennett, Wynona, LA.....Nisqually
 Benshoof, Thelma, LA.....Seattle
 Benson, Cornelle, FA.....Seattle
 Bentley, Galen W, FA.....Seattle
 Bentley, Nora M, LA.....Tacoma
 Benveniste, Isaac E, Phar.....Seattle
 Berclter, Catherine, Sci.....Seattle
 Bereson, Milton H, LA.....Everett
 Berg, Philip, Bus.....Tacoma
 Berge, Ansgar R, Sci.....Everett
 Berge, Sigfred F, Engr.....Everett
 Berg, Wilbur E, Bus.....Tacoma
 Berger, Lewis Clair, Bus.....Seattle
 Berger, Marian M, LA.....Olympia
 Bergh, Grace, Sci.....Seattle
 Bergland, Helen D, FA.....Seattle
 Berglund, Ralph M, Engr.....Tacoma
 Bergman, Clifford B, Sci.....Tacoma
 Bergman, Harry, LA.....Seattle
 Bergstrum, Charlotte M, LA.....Mukeltoe
 Bergstrom, Conrad, FA.....Hoquiam
 Berkey, Ruth B, LA.....Chester
 Berlin, H Marie, LA.....Kent
 Bernardino, Alexandro, LA.....Philippines
 Bernhardt, Carl W, Fsh.....Seaview
 Berolski, Edward M, Law.....Bellingham
 Bert, Wilfred K, Engr.....Seattle
 Berry, Carl M, For.....Tacoma
 Berry, Glenn, Engr.....Seattle
 Berry, Ted F, LA.....Seattle
 Best, Walter C, Bus.....Seattle
 Bettinger, Dawn, FA.....Edmonds
 Betts, Kennedy, Law.....Seattle

Betz, Gerard, LA.....	Seattle
Beymer, Ralph, LA.....	Seattle
Beuns, G K, For.....	Blairmore, Alberta
Beutel, Margaret A, LA.....	Tacoma
Beveridge, Edna, Sci.....	Olympia
Beyers, Clifford F, For.....	Snohomish
Beymer, Lily, LA.....	Seattle
Bibb, T W, Grad.....	Seattle
Bice, Forrest D, Sci.....	Ferndale
Bickford, Donald, LA.....	Centralia
Bidlake, Florence, FA.....	Seattle
Bigger, J H, Jr, Bus.....	Los Angeles, Calif
Biggerstaff, John S, Grad.....	Portland, Ore
Biggerstaff, Walton, LA.....	Concrete
Biggers, Ruth C, FA.....	Seattle
Bille, Margaret, Grad.....	Seattle
Biles, Julia, Sci.....	Omak
Binderup, Hortense, LA.....	Portland, Ore
Binnings, Margaret, Sci.....	Seattle
Bingham, Arthur M, Bus.....	Port Angeles
Bird, Frances E, FA.....	Seattle
Bird, Robert, LA.....	Seattle
Bird, Mary G, Grad.....	Carnation
Birkeland, Paul, Bus.....	Bremerton
Bishop, Emmett, Bus.....	Tacoma
Bishop, Helen A, Sci.....	San Diego, Cal
Bissonnette, William, LA.....	Okonogan
Bistrom, F Vernon, Engr.....	Seattle
Bittner, Hugh C, LA.....	Yakima
Bixby, W R, For.....	Seattle
Bjork, Nels W, Engr.....	Monroe
Black, Dorothy, LA.....	Seattle
Black, Dauris A, LA.....	Spokane
Black, Erwin S, Edu.....	Bow
Black, Frances M, Bus.....	Tacoma
Black, Rosewell, Bus.....	Sumner
Black, William P, Grad.....	Seattle
Blackaller, Mary Louise, FA.....	Seattle
Blackburn, Quin A, Grad.....	Seattle
Blackwell, Bliss, LA.....	Seattle
Blacknell, L H, FA.....	Seattle
Blade, Walter W, Bus.....	La Conner
Blain, Clarence, Bus.....	Seattle
Blair, Mary Elma, LA.....	Seattle
Blair, Ralph, LA.....	Spokane
Blake, Maxine, LA.....	Seattle
Blakley, Leland I, Engr.....	Seattle
Blame, Louisa H, Grad.....	Seattle
Blanchard, Bess E, Grad.....	Port Orchard
Blanchard, Thea, Edu.....	Skagway, Alaska
Blanchard, Leonora, Phar.....	Seattle
Blanchard, Lu Ella M, LA.....	Seattle
Blackwood, Helen, LA.....	Omak
Blair, Sara, FA.....	Seattle
Blanco, Simon Julian, Sci.....	Philippines
Blando, Patricio, Law.....	Philippines
Blando, Jose, LA.....	Philippines
Blanks, Evangeline, FA.....	Everett
Blatt, Eva, Bus.....	Seattle
Blecker, Dorothy, LA.....	Seattle
Blethen, C B, Jr, LA.....	Seattle
Blethen, Frank A, LA.....	Seattle
Bloom, Clifford, Bus.....	Cromwell
Bloom, William H, LA.....	Spokane
Bloomfield, E Jervis, LA.....	Vancouver, B.C.
Bloomfield, E Jervis, LA.....	Vancouver, BC
Blossom, Rosamund, LA.....	Seattle
Bloxom, Virginia, FA.....	Seattle
Blucher, Louise Kelley, Grad.....	Seattle
Blue, A W, For.....	Seattle
Blue, Eugenia, LA.....	Seattle
Blugerman, Leonide, Engr.....	Seattle
Blum, Alan, LA.....	Seattle
Blum, John R, Bus.....	Seattle
Blumenthal, Julius, Bus.....	Seattle
Boalch, Ruth, Sci.....	North Bend
Boardman, Benton L, LA.....	Seattle
Boardman, Geo C, Jr, LA.....	Seattle
Boardman, Mary, LA.....	Spokane
Bock, Russell, Bus.....	Spokane
Bode, Arthur T, For.....	Fairmont
Bodenheimer, W R, Engr.....	Spokane
Boeing, Lois, LA.....	Seattle
Boer, George F, Engr.....	Everett
Bogert, Elliott, FA.....	Seattle
Bogert, Madeline, LA.....	Seattle
Boggs, Evaline A, Law.....	Seattle
Boggs, Josiah C, Jr, Prov Law.....	Seattle
Boggess, Mary C, Bus.....	Seattle
Bogstad, Ruth E, LA.....	Bend, Ore
Bogle, Betty, FA.....	Seattle
Bolander, T L, Bus.....	Spokane
Bohn, J Reamer, Sci.....	Seattle
Boldan, Veronica, LA.....	Butte, Mont
Bollinger, John R, Engr.....	Washoe, Mont
Bolles, Thos D, LA.....	Seattle
Bolstad, Percy J, LA.....	Seattle
Bolster, William, Engr.....	Seattle
Bomar, Richard J G, Sci.....	Seattle
Bonamy, Douglas G, For.....	Seattle
Bonamy, Jack, For.....	Seattle
Bond, Floyd K, Engr.....	Bellingham
Bonds, Lorene, FA.....	Sumas
Bone, Margurite, Edu.....	Seattle
Bonell, James H, Bus.....	Fall City
Boner, Bernice, LA.....	Seattle
Bonicelli, Josephine, LA.....	Seattle
Bonlie, Rena L, LA.....	Woodinville
Bonnar, Robert U, Sci.....	Seattle
Bonner, Ida, Sci.....	Seattle
Booker, Thos R, Bus.....	Seattle
Boomer, Frances N, Sci.....	Sunnyside
Boone, Julian H, LA.....	Seattle
Booth, William N, FA.....	Seattle
Borah, Juanita F, Grad.....	Seattle
Borde, Ernest, Phar.....	Glenwood
Borgen, Bernice, LA.....	Seattle
Borodin, Michael M, Fish.....	Seattle
Borschell, Theron A, Bus.....	Grand Jct, Colo
Borst, Joseph O, Engr.....	Coalinga, Cal
Borzell, John, Bus.....	Seattle
Bosco, Ray, Bus.....	Vancouver
Boss, Bernard L, Grad.....	Seattle
Botsford, Lawrence, LA.....	Seattle
Botsford, Sherwood, Engr.....	Seattle
Boucher, Charles, Bus.....	Vancouver
Bouck, Edna, LA.....	Sedro-Woolley
Bouck, Morley, Engr.....	Sedro-Woolley
Bousfield, Winifred, Grad.....	Seattle
Bouey, Paul S, Bus.....	Seattle
Boughton, Bernadine, FA.....	Seattle
Bowen, Beth, Sci.....	Seattle
Bowen, Edward V, Bus.....	Seattle
Bowen, Joe E, Bus.....	Centralia
Bower, Donald D, Bus.....	Centralia
Bower, Eleanor, Educ.....	Centralia
Bower, Robert S, Bus.....	Seattle
Bower, Ruth, FA.....	Butte, Mont
Bowers, Mark J, Engr.....	Fairfax
Bowles, Wallace D, LA.....	Seattle
Bowman, C Dale, LA.....	Tacoma
Bowman, Louise M, FA.....	Sumas
Bowman, Marjorie, FA.....	Seattle
Bowman, William C, LA.....	Seattle
Bowmer, Angus L, FA.....	Seattle
Boxer, Mary Edith, LA.....	Seattle
Boyd, Catherine, Grad.....	Seattle
Boyd, Ciel G, Bus.....	Des Moines, Iowa
Boyd, Dwain D, Bus.....	Seattle
Boyd, Helen, LA.....	Seattle
Boyd, Jennette D, LA.....	Seattle
Boyd, Kenneth F, For.....	Charleston
Boyd, Margaret L, LA.....	Seattle
Boyd, Margaret S, Sci.....	Kirkland
Boyd, Mercedes, Sci.....	Klamath Fall, Ore
Boyd, Robert J, Min.....	Seattle
Boyer, Edith, LA.....	Portland, Ore
Boyer, John F, LA.....	Seattle
Boyer, Louis A, Bus.....	Butte, Mont
Boyer, Ruth M, Sci.....	Seattle
Boyker, Maxine M, FA.....	Kent

Brachvogel, Richard I, Sci.....	Seattle	Brown, Cecil C, Sci.....	Dayton
Brackett, Laurence, For.....	Seattle	Brown, Clarence H, Phar.....	Port Angeles
Bradburn, Geo B, Bus.....	Seattle	Brown, Charles L, LA.....	Seattle
Bradley, Arvid M, LA.....	Seattle	Brown, Davenport J, Bus.....	Sumas
Bradley, Charles A, LA.....	Seattle	Brown, Edward G, Bus.....	Seattle
Bradley, Florence, LA.....	Yakima	Brown, Edward S, Jr, Bus.....	Seattle
Bradley, Jerome G, Engr.....	Seattle	Brown, Elizabeth G, LA.....	Seattle
Bradley, Joseph T, LA.....	Seattle	Brown, Elizabeth, LA.....	Seattle
Bradley, Roland, Bus.....	Selah	Brown, Elliott J, Bus.....	Sumas
Bradshaw, Grace E, Sci.....	Everett	Brown, Finley C, Sci.....	Port Townsend
Bradshaw, John F, Phar.....	Ellensburg	Brown, George Myron, LA.....	Seattle
Brady, Bryant D, Law.....	Seattle	Brown, Gordon A, Bus.....	Seattle
Brady, Carl W, LA.....	Kansas City, Mo	Brown, Harold R, Engr.....	Seattle
Brady, Culvin Ted, Bus.....	Seattle	Brown, Henry, LA.....	Seattle
Bradford, Caty J, Grad.....	Seattle	Brown, John B, Fish.....	Seattle
Branch, Mabel Helen, LA.....	Tacoma	Brown, James W, Grad.....	Gunnison
Branch, Willard H, Bus.....	Seattle	Brown, Katharine, Sci.....	Bellingham
Brand, Frederick J, Sci.....	Victoria, B.C.	Brown, Katherine C, Sci.....	Tacoma
Brandt, George, Bus.....	Seattle	Brown, Kathryn L, LA.....	Seattle
Brandt, Ralph L, LA.....	Seattle	Brown, Lois S, Grad.....	Seattle
Brandmeir, B Wilhelmina, LA.....	Seattle	Brown, Lucy S, LA.....	Butte, Mont
Brandner, H Phil, For.....	Seattle	Brown, Marion M, FA.....	Seattle
Brandt, Evelyn, FA.....	Puyallup	Brown, Martell, Bus.....	Houquiam
Bransford, Thomas L, LA.....	Portland, Ore	Brown, Martin, Engr.....	Seattle
Brannan, Claude, Sci.....	Auburn	Brown, Mary Catherine, LA.....	Seattle
Brannon, Julia A, LA.....	Seattle	Brown, L May, FA.....	Cleveland, Ohio
Brannon, Myrtle, Edu.....	Auburn	Brown, L May, LA.....	Cleveland, Ohio
Bratt, Bryan H, Bus.....	Mercer Island	Brown, Norman, Bus.....	Seattle
Brattain, Betty, LA.....	Seattle	Brown, Norman C.....	Everett
Bratten, Dorothy, LA.....	Salt Lake City, Utah	Brown, Orville L, Phar.....	So Prairie
Brauer, Clara, Sci.....	Seattle	Brown, Pansy J, FA.....	Chehalis
Boaxdale, Clarence, LA.....	Ontario, Cal	Brown, Pauline, LA.....	Seattle
Bray, Mary, LA.....	Seattle	Brown, Perry G, Engr.....	Fairfax
Brzell, Thomas L, Bus.....	Seattle	Brown, Ralph, LA.....	Seattle
Brechmin, Louis, LA.....	Seattle	Brown, Robert W, LA.....	Seattle
Breen, John R, LA.....	Seattle	Brown, Russell, LA.....	Cold Creek
Brender, Leonard N, For.....	Leavenworth	Brown, Violet, LA.....	Wallace
Brennen, Gordon N, Bus.....	Seattle	Brown, Warren, Jr, Law.....	Seattle
Brewer, Leo William, Edu.....	Bellingham	Brown, William Henry, Fish.....	Seattle
Brewer, Helen L, LA.....	Tacoma	Brown, William H, Engr.....	Selleck
Brewer, R Kenneth, Bus.....	Spokane	Brown, Winston B, LA.....	Cold Creek
Brewer, Verna R, LA.....	Seattle	Brown, Winston D, LA.....	Everett
Brewer, Vincent R, Bus.....	Seattle	Brownfield, Floyd, LA.....	Chelan
Brewitt, Everilda, LA.....	Tacoma	Browne, Grace M, Bus.....	Seattle
Brice, Vernon V, LA.....	Ridgefield	Browne, John J, LA.....	Wenatchee
Brick, Hilah Raymond, LA.....	Bend, Ore	Browne, Marjory C, LA.....	Wenatchee
Bridgman, Alfred W, Bus.....	Seattle	Brownell, Eugene B, Sci.....	Seattle
Brier, Howard M, Edu.....	Everett	Brownell, Ruth, LA.....	Seattle
Bright, Norah J, FA.....	Nampa, Ida	Brownnton, Sheldon, Bus.....	La Grande, Ore
Briggs, Clifford M, Engr.....	Bremerton	Broyles, Earl, Bus.....	Spokane
Briggs, Dorothy E, Edu.....	Opportunity	Broz, William R, Sci.....	Tacoma
Brimston, Marion G, Phar.....	Seattle	Bruce, Gordon, Fish.....	Seattle
Brink, R M, Grad.....	Vancouver, B C	Brueggeman, W C, Engr.....	Seattle
Brink, Herbert, Bus.....	Seattle	Brunner, Elma, FA.....	Seattle
Briscoe, Jacob W, Bus.....	Grangeville	Brunner, Eugene, BA.....	Seattle
Britton, Cathryn, FA.....	Wilbur	Brust, Shirley K, LA.....	Portland, Ore
Brix, Egbert A, LA.....	Tacoma	Bryan, Collis C, Engr.....	Seattle
Brix, Herman, LA.....	Tacoma	Bryan, James W, Jr, Law.....	Bremerton
Brobeck, Lester, LA.....	Seattle	Bryant, Jerome C, Bus.....	Seattle
Brobeck, Roy A, FA.....	Seattle	Bryant, Myron T, LA.....	Big Timber
Brobst, Robert N, Bus.....	Bellevue	Bublitz, Ruth E, LA.....	Spokane
Brockman, Dorothea, FA.....	Seattle	Bucey, Boyd K, Sci.....	Seattle
Brockway, Gordon B, For.....	Tacoma	Buchanan, Helen L, LA.....	Spokane
Brody, Leon, FA.....	Seattle	Buchanan, John F, For.....	Tacoma
Broeren, John N, Grad.....	Portland, Ore	Buchanan, LISPETH C, LA.....	Seattle
Broeren, Lawrence, Engr.....	Prescott	Buck, H C, LA.....	Seattle
Broetje, Arthur F, LA.....	Yakima	Buck, Margaret, LA.....	Yakima
Brogren, Carl Stanley, FA.....	Seattle	Bunker, Evans C, Bus.....	Monrovia, Cal
Bromberg, Bernice, LA.....	Vancouver	Buckley, Nancy, LA.....	Seattle
Bronson, Donald, LA.....	Seattle	Buenafe, Mariano, LA.....	Seattle
Brook, Mrs Alice, Edu.....	Seattle	Buerk, Arthur W, Bus.....	Seattle
Brooks, Eugenia Lee, LA.....	Seattle	Bukofzer, Lester S, Bus.....	Everson
Brooks, Irene M, Edu.....	Ferndale	Bull, Mable, LA.....	Parkland
Brooks, Ruth A, LA.....	Seattle	Bullis, Merlyn K, Bus.....	Seattle
Brooks, William E, Sci.....	Dungeness	Bundy, Robert E, For.....	Seattle
Brooks, Winston, Bus.....	Wapato	Bungay, Clarence, LA.....	Spokane
Broom, Edith, FA.....	Seattle	Bungay, Ellen L, LA.....	Spokane
Broom, Lylas, LA.....	Edmonds	Bunker, Stanley, For.....	Seattle
Brotnor, Kenneth, Bus.....	Bellingham	Bunge, Winfred M, LA.....	Seattle
Brower, Ora, FA.....	Seattle	Buol, Elsie, LA.....	Seattle
Brown, Betty, LA.....	Bellingham	Burd, Virginia, Sci.....	Bremerton

Burdic, Frances, LA.....	Seattle
Burdick, Ila, LA.....	Seaburst Park
Burdick, Dorothy, LA.....	Seattle
Burgesson, Elna, LA.....	Seattle
Burgess, Carolyn, FA.....	Seattle
Burgess, Inez A, LA.....	Seattle
Burgess, Jennie P, Grad.....	Seattle
Burk, Clarence F, Engr.....	Seattle
Burkheimer, William D, LA.....	Seattle
Burlew, Everts, Engr.....	Manetta
Burmeister, Viola, LA.....	Seattle
Burnam, David L, FA.....	Anacortes
Burnett, Bert, Law.....	Seattle
Burnett, Floyd O, LA.....	Shaunee, Okla
Burnett, Louis, Bus.....	Tacoma
Burns, Dorothy, LA.....	Mt Vernon
Burns, Ethel, FA.....	Seattle
Burns, Harry H, LA.....	Seattle
Burns, Lillian, Bus.....	Seattle
Burns, Margaret E, LA.....	Kalespell, Mont
Burns, Nina, FA.....	Seattle
Burnside, Margaret, LA.....	Lewiston, Ida
Burpee, Frances H, Sci.....	Bellingham
Burpee, Margaret, LA.....	Vapato
Burr, Wallace M, Bus.....	Seattle
Burroughs, A P, Min. Irvington-on-Huds, NY	
Burrows, Robert Selden, Bus.....	Seattle
Burrows, Adelyne M, Law, Pocatemo, Ida	
Bursell, Betty M, LA.....	Seattle
Bursett, Clemens A, FA.....	Seattle
Burston, Ray J, Phar.....	Seattle
Burton, James H, Jr, LA.....	Seattle
Busche, Rudolf W, Bus.....	Spokane
Bushue, Leo B, Sci.....	Plaza
Butkus, Konstant, LA.....	Centralia
Butler, J Arthur, Bus.....	Seattle
Butler, Cecil James, Bus.....	Elma
Butler, Dorothy, LA.....	Wenatchee
Butler, Edith Mae, Phar.....	Cashmere
Butler, Gertrude, LA.....	Burlington
Butler, Glorian, FA.....	Wenatchee
Butler, Harold R, Bus.....	Foust
Butler, Julia, Sci.....	Buckley
Butler, J Longino, LA.....	Seattle
Butler, Richard, Bus.....	Seattle
Butler, Walter R, Bus.....	Everett
Butt, Charles N, Engr.....	Seattle
Butt, Donald, LA.....	Seattle
Rutt, Dorothy, LA.....	Seattle
Butt, Lillian M, FA.....	Seattle
Butt, F Mildred, Grad.....	Seattle
Butt, Richard V, Sci.....	Seattle
Butt, Westburt C, Bus.....	Seattle
Butterworth, H C, Engr.....	Seattle
Button, A O, Edu.....	Battle Ground
Byars, Roe F, LA.....	Snoqualmie Falls
Byers, Dorothy O, LA.....	Seattle
Byers, Eleanor D, FA.....	Everett
Byers, Elizabeth, LA.....	Seattle
Byers, John R, Jr, Sci.....	Everett
Byers, Mary Frances, LA.....	Everett
Byles, Elvin M, Engr.....	Melbourne
Byrd, Evelyn L, Grad.....	Burns, Ore
Byrd, Gladys, LA.....	Seattle
Byrne, Emmons, LA.....	Seattle
Byrne, Ervin, LA.....	Seattle
Byrne, Mary Elizabeth, LA.....	Seattle
Byrne, William Gilman, Engr.....	Seattle
Byrnes, Raymond, LA.....	Kelso
Byrnes, Robert E, Bus.....	Kalispell, Mont
Cabatt, Ireneo R, LA.....	Philippines
Cady, Jane Gray, LA.....	Wenatchee
Cahill, Edward, LA.....	Seattle
Cahoon, J Clifford, For.....	Seattle
Calapini, Juan, Engr.....	Seattle
Cain, Russell A, Grad.....	Richmond Beach
Cairney, Daniel W, For.....	Seattle
Caldwell, Eleanor, LA.....	Seattle
Calhoun, Grant Glenn, LA.....	Seattle
Calhoun, Gerald, LA.....	Spokane
Calkins, Frank J, Jr, LA.....	Seattle
Cullahan, Alice Hinman, LA.....	Seattle
Cullahan, Kenneth L, FA.....	Seattle
Callarman, Estelle, LA.....	Seattle
Callender, R Douglas, Bus.....	Seattle
Callender, Shirley Lorraine, FA.....	Seattle
Callison, Henry S, Bus.....	Aberdeen
Callow, E J, Grad.....	Elma
Calvert, Frank, Engr.....	Seattle
Calvert, Ruth, FA.....	Seattle
Cameron, Harold W, Bus.....	Aberdeen
Campbell, Alec, Jr, Grad.....	Seattle
Campbell, Allan D, Phar.....	Monroe
Campbell, Clarence, LA.....	Los Angeles, Cal
Campbell, Donald H, Phar.....	Blaine
Campbell, Doris Mac, Sci.....	Seattle
Campbell, Dorothy, LA.....	Seattle
Campbell, Eldon D, Bus.....	Seattle
Campbell, Helen Ruth, Edu.....	Seattle
Campbell, J H, Engr.....	Seattle
Campbell, John, Bus.....	Seattle
Campbell, Josephine M H, LA.....	Rolling Bay
Campbell, Katherine, FA.....	Seattle
Campbell, Lee, Bus.....	Seattle
Campbell, Lillian Hankins, LA.....	Everett
Campbell, Myron M, Sci.....	Rosalia
Campbell, Morrison, LA.....	Seattle
Campbell, Robert D, LA.....	Puyallup
Campbell, Ruth, Grad.....	Puyallup
Camperson, B H, Bus.....	Seattle
Camplan, C Sterling, FA.....	Goldendale
Canaan, Carl I, Bus.....	Everett
Canby, Dorothy, LA.....	Wenatchee
Canfield, Ruby, FA.....	Davenport
Canfield, Evelyn, LA.....	Seattle
Canel, Marie, LA.....	Seattle
Cannon, Joseph, Bus.....	Spokane
Cannon, John E, LA.....	Spokane
Canthen, James A, LA.....	Onalaska
Capen, Ellery, Grad.....	Yelm
Carballo, Jose J, LA.....	Philippines
Carberry, Margaret, LA.....	Spokane
Carbray, Evelyn Mary, LA.....	Seattle
Carew, James, Engr.....	Seattle
Cardwell, Elizabeth K, LA.....	Pomeroy
Carey, Charles R, LA.....	Colville
Carey, Willard W, Sci.....	Walla Walla
Carlander, Gertrude, LA.....	Seattle
Carlisle, Verona, Bus.....	Vancouver, B C
Carlson, Carl S, LA.....	Everett
Carlson, Carl R, LA.....	Altoona
Carlson, Elmer T, Grad.....	Gig Harbor
Carlson, Evar F, Bus.....	Aberdeen
Carlson, Everett, Bus.....	Spokane
Carlson, Florence A, Edu.....	Seattle
Carlson, Floyd E, LA.....	Mt Vernon
Carlson, Fred W, LA.....	Tacoma
Carlson, Gladys May, Grad.....	Mt Vernon
Carlson, Helen, FA.....	Everett
Carlson, Lawrence E, Engr.....	Twin Falls, Ida
Carlson, Lillian M, LA.....	Seattle
Carlson, Mable Anne, Edu.....	Chinook
Carlson, Ona, LA.....	Aberdeen
Carlson, Oscar F, Engr.....	Seattle
Carlson, Reuben C, Law.....	Tacoma
Carlson, Reuben J, Engr.....	Seattle
Carlson, Ruth L E, Bus.....	Aberdeen
Carlson, Ted, Bus.....	Seattle
Carlson, Theodore D, Law.....	Everett
Carlson, Kenneth S, Bus.....	Seattle
Carman, Evelyn L, LA.....	Seattle
Carline, Dorothy L, Bus.....	White Salmon
Carpenter, Archer B, Sci.....	Seattle
Carpenter, Carl A, Engr.....	Seattle
Carper, Theron Phillip, Bus.....	Seattle
Carr, Dugald M, Engr.....	Dupont
Carroll, Charles Oliver, Sci.....	Seattle
Carroll, Frank M, Jr, Bus.....	Seattle
Carroll, Gerhard S, Sci.....	Seattle
Carroll, Lois, Sci.....	Seattle

Carroll, Theodore, FA.....	Seattle
Carroll, Thomas W, Sci.San Francisco, Cal	
Carscallen, Don L, Engr..Coeur d'Alene, Ida	
Carson, Everal B, LA.....	Vancouver
Carswell, Donald W, LA.....	Spokane
Carstens, Clarence Thomas, Bus.....	Seattle
Carstens, Ernest J, Bus.....	Seattle
Cartano, Margaret, LA.....	Seattle
Carter, Burdette M, Bus.....	Centralia
Carter, Edward Raymond, Sci..Bremerton	
Carter, Ethan, Bus.....	Camp Crook, S D
Carter, Faith E, Sci.....	Seattle
Carter, Glenn E, LA.....	Sumner
Carter, Harriet Raymond, LA.....	Seattle
Carter, Nura Dorothea, LA.....	Seattle
Carter, B Stewart, LA.....	Seattle
Carter, Leo Alexander, Engr.....	Seattle
Carter, William Laurence, Bus.....	Kalama
Cartwright, Dorothy, Grad.....	Seattle
Cartwright, Ed, Sci.....	Seattle
Cartwright, Vance, Engr.....	Seattle
Carver, Marion, Bus.....	Florence, Mont
Cary, Allen S, LA.....	Bellingham
Case, Alice, Sci.....	Seattle
Case, Byron A, Engr.....	Seattle
Case, Georgia Anita, LA.....	Seattle
Case, Kenneth E, LA.....	Seattle
Case, Margaret F, LA.....	Magnolia Beach
Case, Velma May, Bus.....	Seattle
Casey, Helen Lucille, FA.....	Seattle
Casler, Brannon, Engr.....	Seattle
Casper, Barry, LA.....	Seattle
Cassidy, Dorothy Catherine, Educ.....	Seattle
Cassedy, Clayton John, LA.....	Seattle
Cassmore, Orin C, LA.....	Seattle
Castle, Harold, Phar.....	Centralia
Castle, Sara, Bus.....	Centralia
Castor, Thomas Davis, Engr.....	Seattle
Cates, Mildred Bernice, FA.....	Ryderwood
Cathey, F Warren, LA.....	Seattle
Cattle, Edith Agnes, Sci.....	Seattle
Cauvel, O S, Engr.....	Spokane
Cavanagh, Caroline, LA.....	Seattle
Cavanagh, Edith F, Edu.....	Seattle
Cavender, Phyllis, LA.....	Seattle
Caverley, Charles E, Bus.....	Wauville
Cavin, Jack, Bus.....	Tacoma
Cayton, Horace R, Bus.....	Seattle
Chabot, Elwell O, Bus.....	Aberdeen
Chabot, Elwell, Bus.....	Copalis Beach
Chaffee, George Donald, Bus.....	Bremerton
Chaim, Leo, Bus.....	Seattle
Challis, Henrietta I, FA.....	Seattle
Chamberlain, Waldo, Law.....	Seattle
Chambers, Jess E, For.....	Seattle
Chambers, Ruth Louise, LA.....	Charleston
Chan, Frank, Engr.....	Seattle
Chan, George L, Bus.....	China
Chang, Look, Uncl Bus.....	China
Chander, Alvin J, Engr.....	Seattle
Chandler, Bernice, FA.....	Seattle
Chandler, Marjorie, FA.....	Seattle
Chancellor, Wm E, Engr.....	Seattle
Chang, Hal Yun, LA.....	Shanghai, China
Chang, Hugh P, Grad.....	Spokane
Chang, Pei Yuan, Bus.....	Tientsin, China
Chang, Pei Yuan, Grad.....	China
Chang, Tse-Sheng, LA.....	China
Chan-Yam, Victor, LA.....	China
Chapman, Frank Jr, LA.....	Seattle
Chapman, Horace, Jour.....	Seattle
Chapman, Virginia, LA.....	Seattle
Chapple, Guernsey P, Engr.....	Yakima
Charbonneau, Isabella, LA.....	Seattle
Charlond, Ernest M, LA.....	Seattle
Charlston, Jack L, Bus.....	Seattle
Charlston, Wm M, Law.....	Seattle
Charlesworth, Ruth, FA.....	Bellingham
Charlton, Harriet, FA.....	Chelalis
Charteris, James M, Bus.....	Seattle
Chase, Dorothy, LA.....	Edmonds
Chase, Jennie A, Sci.....	Edmonds
Chatterton, Katherine W, Sci.....	Seattle
Chatterton, Mary J, LA.....	Seattle
Chcal, Mary, FA.....	Seattle
Chesebrough, Herbert S, Grad.....	West Liberty
Cheesman, Esther Lucille, LA.....	Spokane
Cheesman, Hugh, LA.....	Spokane
Chesnut, Margaret E, LA.....	Seattle
Chester, Leslie K, LA.....	Seattle
Chen, David H, LA.....	Nanking, China
Cheney, Mrs Pearle, Bus.....	Seattle
Cheng, Rao Kee, LA.....	Chlua
Chester, Helen E, FA.....	Kallapell, Mont
Chester, Wm G, FA.....	Bellingham
Cheung, Heung Shang, Law.....	Canton, China
Chew, Eric, Sci.....	Seattle
Chew, Richard F, Bus.....	Seattle
Childs, Dorothy O, FA.....	Seattle
Childs, Harry J, Sci.....	Tacoma
Chilson, George Harley, Engr.....	Vancouver
Chin, Poy Set, Bus.....	Seattle
Chin., Carolyn, FA.....	Seattle
Chinn, Helen, LA.....	Seattle
Chinn, Tulin Kee, Bus.....	Seattle
Chopson, Warner, LA.....	Seattle
Chouzias, Demetrio P, LA.....	Greece
Christensen, Ferdinand A, Bus.....	Seattle
Christianson, Alma M, Sci.....	Seattle
Christopher, Ian W, Grad.....	Olympia
Christianson, Victor C, LA.....	Everett
Christoffersen, Raymond H, Sci.....	Seattle
Christy, Bruce V, Engr.....	Seattle
Christy, Dagmar Carola, FA.....	Seattle
Christy, R K, Engr.....	Seattle
Church, Margaret, Sci.....	Tacoma
Church, Ruth M, Edu.....	La Conner
Church, W L, Bus.....	Seattle
Churchill, Amy, LA.....	Seattle
Churchill, Doris, LA.....	Ellensburg
Churchill, Niles P, Bus.....	Centralia
Churchill, Verne, Bus.....	Kirkland
Churchward, Philip E, Sci.....	Tacoma
Chute, L H, LA.....	Seattle
Clague, J A, Engr.....	Seattle
Clark, Albert C, Sci.....	Yakima
Clancy, Alice Joanne, FA.....	Seattle
Clancy, G Richard, E, Engr.....	Seattle
Clark, A M, Engr.....	Seattle
Clark, Ben I, Eng.....	Seattle
Clark, David Phillip, LA.....	Ellensburg
Clark, Helen Frances, LA.....	Seattle
Clark, Hester May, Bus.....	Seattle
Clark, Ray D unmat.....	Seattle
Clark, R E, Min.....	Reardan
Clark, Roland J, Grad.....	Hornell, N Y
Clarke, Frances, FA.....	Seattle
Clarke, George E, Law.....	Spokane
Clarke, George W, Law.....	Mercer Island
Clarke, Jannette A, LA.....	Yakima
Clarke, Katherine, LA.....	Seattle
Clarke, Stanley J, LA.....	Vancouver, B C
Clark, Thomas James, BA.....	Seattle
Clarkson, Charles, Engr.....	Seattle
Clausen, Chester K, Grad.....	Seattle
Clay, Charles Field, LA.....	Gig Harbor
Clay, Marjorie, FA.....	Seattle
Clayberg, Sylvester, Law.....	Seattle
Clayton, Walter C, Engr.....	Seattle
Cleaman, Fred L, Bus.....	Longview
Cleaman, Louise H, LA.....	Longview
Cleaver, Gertrude, LA.....	Everett
Clein, Lillian, Phar.....	Seattle
Clem, Norma G, FA.....	Seattle
Clemens, Myrtle G, FA.....	Leavenworth
Clement, Robert A, LA.....	Spokane
Clements, Hubert, LA.....	Kent
Clemmer, Ruth, Sci.....	Yakima
Cleodening, Catherine Bradley, FA.....	Seattle
Cleodening, Louise, FA.....	Seattle
Cleveland, Carl M, LA.....	Tacoma
Cleveland, Walter J, BA.....	Boise, Ida

Clevenger, Ruby M. Educ.....	Seattle
Clifford, Albert, Engr.....	Seattle
Clifford, Jessie Smith, Grad.....	Seattle
Clifford, Stanley, Engr.....	Seattle
Clina, Oenzel C. Grad.....	Isabel, Kan
Clina, Ida Riste, LA.....	Seattle
Clingan, Fred S, LA.....	Seattle
Clingan, Helen, Sci.....	Seattle
Cloetta, Blanche, LA.....	Seattle
Cloud, Charles W, For.....	Aberdeen
Cloud, George W, LA.....	Sunnyside
Clough, Lorine, LA.....	Everett
Cluck, J R, LA.....	Bothell
Clyde, Alexander J, LA.....	Seattle
Coale, A Draper, Jr, Law.....	Tacoma
Coale, Elizabeth, LA.....	Tacoma
Coart, John, LA.....	Seattle
Coates, Roy, LA.....	Seattle
Coats, Florence, Sci.....	Raymond
Cobb, Genevieve C. Grad.....	Seattle
Cobley, J Arnold, Law.....	Seattle
Cobley, E H, LA.....	Tacoma
Cochran, Ida N, FA.....	Tacoma
Cochran, Nell M, Bus.....	Snohomish
Cochran, Jean R. Grad.....	Seattle
Cochran, S W, Engr.....	Seattle
Cochran, Walter Meyer, LA.....	Seattle
Cockroft, Ruth W, Sci.....	Lahaina, Hawaii
Cocking, Boyd, LA.....	Centralia
Coffee, W Glennon, Bus.....	Tacoma
Coffey, John J, Jr, LA.....	Seattle
Coffin, Doris, Sci.....	Seattle
Coffin, Dorothy E, LA.....	Seattle
Coffin, Ruth, FA.....	Seattle
Coghlan, Willurd A, Bus.....	Seattle
Cohen, Joseph, LA.....	Seattle
Cohen, Phillip C, Grad.....	Tacoma
Cohn, Mildred, LA.....	Spokane
Cohn, Rose M, LA.....	Spokane
Cott, Frederick P, Engr.....	Big Timber, Mont
Colby, W Harmon, Bus.....	Sunnyside
Colby, Lea A, Bus.....	Sunnyside
Colcock, Bentley P, LA.....	Seattle
Cole, Clyde A, Sci.....	Seattle
Cole, Eva Marsden, Grad.....	Seattle
Cole, George Melvin, LA.....	Husum
Cole, Harold C, Bus.....	Spokane
Cole, Hawley I, Bus.....	Spokane
Cole, Helen Voss, LA.....	Seattle
Cole, Marjorie K, LA.....	Seattle
Cole, Virginia, Sci.....	Seattle
Cole, Walter J, Sci.....	Seattle
Coleman, R W, Grad.....	Seattle
Coleman, Vera F, Edu.....	Bickleton
Coley, George V, Sci.....	Goldendale
Collie, Ross F, LA.....	Seattle
Collier, Kathleen, LA.....	Seattle
Collins, Parker Pratt, LA.....	Seattle
Collins, Sarah Clay, LA.....	Bellingham
Collins, Thelma, Sci.....	Enumclaw
Collins, W A, Engr.....	Auburn
Collins, Wallace G, LA.....	Seattle
Colman, Isabel S, Sci.....	Seattle
Colman, Walter M, LA.....	Rockford, Ill
Colvin, Evalyn, FA.....	Seattle
Comegys, Thaddeus E, For.....	Thornton
Comings, Everett L, Engr.....	Bremerton
Commeree, Clifford H, Bus.....	Colville
Commeree, V, Sci.....	Colville
Compton, Ann, FA.....	Seattle
Compton, Harry Otis, Engr.....	Seattle
Combs, Hazell Armetta, FA.....	Seattle
Compton, Ira D, Bus.....	Seattle
Compton, Kathryn, FA.....	Seattle
Compton, Merrill E, Bus.....	Seattle
Compton, Milton, Engr.....	Seattle
Conant, Estella L, LA.....	Filer, Idaho
Condon, Hal, Bus.....	Seattle
Condon, Isobel R, LA.....	Seattle
Condon, Robert W, For.....	Seattle
Cone, Bernice Cleary, Edu.....	Bellingham
Cone, Dwight H, Edu.....	Bellingham
Congdon, Shirley Albert, LA.....	Yakima
Conger, Dorothy, Sci.....	Seattle
Connell, Richard Edmund, Bus.....	Seattle
Connell, Laura M, Grad.....	Foudden, Loz, Wis
Conner, Madeline M, FA.....	Vancouver
Connolly, Zoa E, LA.....	Seattle
Connolly, Ella, Sci.....	Seattle
Connor, Aileen, LA.....	Seattle
Conover, C N, LA.....	Seattle
Conrad, Georgia, Sci.....	Seattle
Conrad, Winifred, Sci.....	Seattle
Constantine, Phyllis, FA.....	Seattle
Constance, Kathryn, FA.....	Seattle
Converse, Adella M, LA.....	Butte, Mont
Conway, Jack, LA.....	Skagway, Alaska
Cook, Arthur D, Bus.....	Chimacum
Cook, Chesley M, Bus.....	Seattle
Cook, Dean L, Bus.....	Seattle
Cook, Eugene H, Bus.....	Seattle
Cook, Frank H, Bus.....	Seattle
Cook, Faustine Douglas, Grad.....	Seattle
Cook, Flo M, FA.....	Anacortes
Cook, George S, LA.....	Seattle
Cook, Lucile, LA.....	Peoria, Ill
Cook, Marjorie Jane, LA.....	Seattle
Cook, Parker E, FA.....	Seattle
Cook, Raymond E, LA.....	Seattle
Cook, Richard H, Grad.....	Seattle
Cook, Richard H, Sci.....	Bellingham
Coolidge, Margaret F, LA.....	Seattle
Coombs, Howard, LA.....	Elkhart, Ind
Coon, Grace, Educ.....	Yakima
Cooney, Doris M, Bus.....	Seattle
Coons, Robert W, Engr.....	Aberdeen
Cooney, Juanita, Bus.....	Seattle
Cooper, Charles Edwin, Sci.....	Seattle
Cooper, Claire Irene, Sci.....	Seattle
Cooper, Elizabeth A, FA.....	Seattle
Cooper, Omer C, Sci.....	Auburn
Coovert, Nellie M, FA.....	Vancouver
Coplen, Donald G, Min.....	Seattle
Copenhaver, Edith, Bus.....	Seattle
Copenhaver, Marie B, FA.....	Seattle
Coppers, Margaret, FA.....	Fall City
Corbett, Helen A, LA.....	Walla Walla
Corcoran, George, LA.....	Seattle
Corcoran, J P, Engr.....	Seattle
Corey, Elva F, Bus.....	Seattle
Corbaley, T B, Bus.....	Seattle
Corfield, Charles Clyde, FA.....	Kapowsin
Corlett, Mildred V, LA.....	Seattle
Corlett, Donald A, Bus.....	Seattle
Corey, Edith Grace, Sci.....	Seattle
Corliss, Webster C E, Bus.....	Seattle
Corner, Howard Wm, Engr.....	Seattle
Corner, Juanita, LA.....	Seattle
Cornils, Thomas, Engr.....	Tacoma
Cornelison, Bernice, Sci.....	Wendall, Ida
Cornue, Gordon, LA.....	Selah
Cornue, Max Donald, Grad.....	Seattle
Corskie, Florence B, Grad.....	Seattle
Corpus, Andres M, LA.....	Philippines
Corwin, Chester H, LA.....	Puyallup
Cory, Floyd W, For.....	Eldon
Cory, Vilva K, Sci.....	Chehalis
Constanti, Andrea, Sci.....	Bellingham
Costello, Edward B, Bus.....	Kent
Cothran, C Dewitt, Sci.....	Banning, Calif
Couch, Frank P, Sci.....	Seattle
Couch, Samuel, FA.....	Seattle
Coughlin, Margaret, LA.....	Spokane
Coughlin, Paul, LA.....	Spokane
Courtney, Marta, Sci.....	Chicago, Ill
Courtright, Clarence A, Unmat.....	Yakima
Courtright, Easter, Bus.....	Spokane
Covington, Doris, Bus.....	Seattle
Covington, Duane M, For.....	Seattle
Covington, Lois, LA.....	Seattle
Cowan, Carol M, LA.....	Medina

Cowan, Floy, Grad.....Spokane
 Cowden, Neva, Edu.....Seattle
 Cowling, Richard O, Jr, LA.....Spokane
 Cox, Julia V, Grad.....Seattle
 Cox, Lolo Lyda, Grad.....Seattle
 Cox, Russell Edward, Sci.....Seattle
 Coydan, Steve, LA.....Seattle
 Coyne, Sophie, LA.....Wallace, Idaho
 Cozzitt, Louis S, LA.....Spokane
 Craft, Carroll M, LA.....McCleary
 Craft, Doris T, LA.....McCleary
 Craft, Orva M, LA.....McCleary
 Craig, Dora B, Edu.....Seattle
 Craig, Eva Ariys, FA.....Seattle
 Craig, Genevieve A, FA.....Longview
 Cram, Evelyn, LA.....Seattle
 Cram, Harold T, Bus.....Seattle
 Cram, Jack R, LA.....Seattle
 Cramer, Geraldine, FA.....Seattle
 Crandall, Marguerite E, LA.....Seattle
 Crane, Alice, Sci.....Seattle
 Crane, Edith Mae, LA.....Ipswich, SD
 Crane, Elzata G, FA.....Seattle
 Crane, Estare, FA.....Seattle
 Craven, Dorothy, Sci.....Butte, Mont
 Craven, Eleanor A, LA.....Butte, Mont
 Crawford, Leon Charles, Bus.....Anacortes
 Crawford, Marshall, Sci.....Seattle
 Crawford, Roberta M, FA.....Seattle
 Creps, Oscar, FA.....Seattle
 Criddle, Carol E, FA.....Seattle
 Crippen, George, LA.....Clearwater
 Crist, Constance, Sci.....Seattle
 Crockett, Oliver W, Jr, LA.....Seattle
 Crosby, Forrest, Bus.....Seattle
 Crosby, Roy H, Engr.....Seattle
 Crosby, Eugenia Relf, Edu.....Seattle
 Crose, Wallace B, Bus.....Seattle
 Crothers, Muriel, LA.....Seattle
 Crottinger, Clara M, FA.....Seattle
 Crouch, Vincent F, LA.....Grandview
 Crouter, Maud, Edu.....Union, Ore
 Crow, Mildred Nancy, Sci.....White Salmon
 Crowell, Robert, Engr.....Pasadena, Calif
 Crowley, George, Bus.....Seattle
 Crowston, Grace, Sci.....Hollywood, Calif
 Cruagar, Florence K, LA.....Bellevue
 Cruickshank, Bruce W, Phar.....Seattle
 Cruickshank, Kenneth G, Phar.....Seattle
 Crum, Frances, LA.....Seattle
 Crum, Jess Ray, Unmat.....Spokane
 Crumb, Thomas E, LA.....Morton
 Crittenden, Viola, FA.....Seattle
 Cruzen, Edward A, Grad.....Boise, Ida
 Cruzen, Leona, Sci.....Seattle
 Cuanany, Louis C, LA.....Philippines
 Cuesta, Bernardo D de le, Min.....Philippines
 Cull, Milda Patricia, LA.....Seattle
 Cullen, Eugene W, LA.....Spokane
 Cullen, Florence, LA.....Seattle
 Cullinan, Nicholas, Grad.....Seattle
 Culver, Carroll N, LA.....Bellingham
 Culwell, Louise, LA.....Seattle
 Cummings, Blanche Marie, LA.....Buffalo, Wyo
 Cummings, Doris, LA.....Seattle
 Cummings, Grace, Sci.....Bellingham
 Cundiff, Velda P, Sci.....Wenatchee
 Cunningham, Marvel, Sci.....Ellensburg
 Cunningham, Paul Louis, For.....Charleston
 Cunningham, Virgil, LA.....Ellensburg
 Currah, W B, LA.....Seattle
 Curran, Bertrend J, LA.....Seattle
 Curry, Elliot, LA.....Oroville
 Curry, Eva Philip, Educ.....Byron
 Curry, Eula, Sci.....Seattle
 Curry, Jerome, Bus.....Yakima
 Curry, Lynn, Bus.....Sedro-Woolley
 Curry, Mildred, FA.....Seattle
 Curtis, Allan D, Bus.....Seattle
 Curtis, Fred J, Bus.....Seattle
 Cushing, Eugene, LA.....Vancouver

Cushing, John F, Bus.....Puyallup
 Cussac, Edmond, Engr.....Issaquah
 Cutler, Bernice Cuors, LA.....Seattle
 Cutler, Denzil A, Engr.....Vashon
 Cutting, J M, Bus.....Seattle
 Cutts, Elmer H, LA.....Seattle
 Cutter, Glen, Sci.....Seattle
 Dagg, Helen Gertrude, LA.....Seattle
 Daggett, Alice, LA.....Cordova, Alaska
 Daggett, Robert, Prov Sci.....Cordova, Alaska
 Dahlberg, Edith, LA.....Grants Pass, Ore
 Dahlen, Beth, LA.....Seattle
 Dahlen, Henrietta, LA.....Walla Walla
 Bahlhjelm, Marian M, FA.....Seattle
 Dalber, Robert, LA.....Seattle
 Dally, Dean C, Sci.....Snohomish
 Dalley, Edith L, Edu.....Seattle
 Dalley, Marvel C, Engr.....Seattle
 Dakserkoff, Boris, Bus.....Russia
 Dalby, Milton Arthur, LA.....Richmond Beach
 Dale, Edwin B, Engr.....Port Townsend
 Dalgity, Jean, Edu.....Seattle
 Dallas, Justine Alma, Bus.....Seattle
 Dallaro, John W, LA.....Grand Rapids, Mich
 Dally, Harold N, Min.....Seattle
 Dally, Louise B, LA.....Seattle
 Dalquest, J E, Engr.....Richmond Beach
 Daly, Elizabeth, LA.....Port Townsend
 Daly, William, LA.....Renton
 Damerell, V Richard, Grad.....Earlington
 Dand, Marion C, LA.....Seattle
 Dang, Andrew N, Engr.....Seattle
 Daniel, Dorothy, LA.....Lethbridge, Can
 Daniel, Virginia, Sci.....Seattle
 Daniels, Albert S, Bus.....Tacoma
 Daniels, Signe, Sci.....Seattle
 Daniels, William C, Engr.....Seattle
 Danielson, Gertrude, Sci.....Seattle
 Danielson, Manda S, Sci.....Poulsbo
 Dann, W J Jr.....Seattle
 Danner, Clayton E, Engr.....Kent
 Danng, Leon, LA.....Philippines
 Danz, Pearl, LA.....Seattle
 Daquivag, Sebastian, Grad.....Philippines
 Darby, John Kenneth, LA.....Puyallup
 Darragh, James Jr, Engr.....Seattle
 Dassel, Walter, Phar.....Langley
 Daum, Edna W, FA.....Seattle
 Daut, Audrey, LA.....Seattle
 Daubenspeck, Marion, Grad.....Seattle
 Daverin, Lyle, Bus.....Yakima
 Davidson, Aileen, LA.....Seattle
 Davidson, E W, Engr.....Bremerton
 Davidson, Jean B, Grad.....Vancouver, BC
 Davidson, Kenneth M, Bus.....Seattle
 Davidson, Lonan Jr, LA.....Montesano
 Davidson, Olive K, FA.....Seattle
 Davidson, William M, Sci.....Seattle
 Davie, George F, LA.....Tacoma
 Davin, Jackson, Bus.....Walla Walla
 Davis, Ansil, LA.....Seattle
 Davis, Benjamin S, FA.....Seattle
 Davis, Benj F, LA.....Seattle
 Davis, Byron L, Bus.....Seattle
 Davis, Donald, Bus.....Seattle
 Davis, M Farnham, Bus.....Centralia
 Davis, Harvey, LA.....Wenatchee
 Davis, Frank L, Bus.....Seattle
 Davis, George S, LA.....Donald
 Davis, Kenneth, LA.....Seattle
 Davis, Lenna Gladys, LA.....Seattle
 Davis, Lilly May, FA.....Kirkland
 Davis, Lois, LA.....Seattle
 Davis, Lydamae, LA.....Seattle
 Davis, Manima Wilson, LA.....Seattle
 Davis, Meryl, Bus.....Tacoma
 Davis, Mildred A, Phar.....Seattle
 Davis, K Norma, LA.....Seattle
 Davis, Ralph, LA.....Davenport

Davis, R L. LA.....	Ridgefield	Dickey, Miriam L. LA.....	Kallispell, Mont
Davis, Walter Newton. LA.....	Endicott	Dickinson, Dorothy J. LA.....	Raymond
Davis, Wilbur L. Bus.....	Seattle	Dickinson, George L. Bus.....	Napavine
Davis, William R. BA. Great Falls, Mont		Dickinson, L. W. Sci.....	Seattle
Davis, William E. LA.....	Seattle	Dickinson, Marie V. LA.....	Seattle
Davison, Elmer E. Grad.....		Dickinson, Porter, Bus.....	Seattle
Davison, Robert T. Bus.....	Seattle	Dickson, Irene Y. FA.....	Seattle
Davison, W Ward, Bus.....	Spokane	Dickson, William J. LA.....	Sedro-Woolley
Dawson, Arthur D. LA.....	Seattle	Didzun, Oscar J. LA.....	Seattle
Dawson, Chester, Bus.....	Medina	Diftenbacher, William, Phar.....	Colville
Dawson, Daniel O. Bus.....	Seattle	Dightman, J A. For.....	Tacoma
Dawson, Dorothy B. LA.....	Bellingham	Dilling, Margaret, LA.....	Seattle
Dawson, J C. For.....	New Denver, Can	Dille, Melvin Wade, Bus.....	Seattle
Dawson, Mary, FA.....	Seattle	Dillon, Suzanne, LA.....	Seattle
Day, Donald, Bus.....	Seattle	Dilworth, Richard L. Bus.....	Seattle
Day, Frank, Phar.....	Bremerton	Dingle, Lella V. LA.....	Seattle
Day, John W. Bus.....	Seattle	Dingley, Henretta, Bus.....	Seattle
Day, Merritt, Bus.....	Seattle	Dingle, Virginia, LA.....	Newport
Dayton, Ralph E. Bus.....	Seattle	Dirks, Clarence, Bus.....	Palo Alto, Cal
Denderick, Kelly D. Law.....	Halfway, Ore	Dishbrow, Claude H. Phar.....	Seattle
Deakin, Fred W. FA.....	Seattle	Dishnow, Jay, LA.....	Seattle
Dean, Dennis M. LA.....	Seattle	Dishnow, Sylvia, LA.....	Seattle
Dean, Earl R. LA.....	Husum	Disler, Marie, LA.....	Seattle
Dean, Frederick B. Phar.....	Tacoma	Ditlevson, L. LA.....	Opportunity
Dean, Gordon Duane, Bus.....	Castle Rock	Ditmars, Ivan Dale, FA.....	Olympia
Dean, Hellen E. LA.....	Seattle	Ditmars, Tracy A. Bus.....	Olympia
Dean, Helen R. Bus.....	Yakima	Dittmore, Wallace C. Engr.....	Seattle
Dean, Jeannette, LA.....	Seattle	Ditty, James, LA.....	Bellevue
Dearinger, Helen, FA.....	Seattle	Ditty, Margaret Catherine, FA.....	Bellevue
Dearing, Isabelle, LA.....	Seattle	Dix, Florence, Sci.....	Seattle
Deasy, Catherine M. Educ.....	Seattle	Dixon, Beryl, Grad.....	Ft Collins, Colo
Decker, Charles V. Bus.....	Havre, Mont	Dixon, Fredericka, FA.....	Seattle
DeGraw, Cullen J. Sci.....	Seattle	Dixon, Harold L. Bus.....	Palouse
De Bruler, Olive, LA.....	Seattle	Doble, Harold G. For.....	Yakima
Deering, Harold, Bus.....	Seattle	Dobrin, Bettina Mae, FA.....	Yakima
De Ford, George, LA.....		Dobrin, Hilda, LA.....	Yakima
De Freest, Grace, LA.....	Honolulu	Dobrovolsky, T. Engr.....	Seattle
De Freest, Kathryn, LA.....	Honolulu	Dobson, John W. LA.....	Renton
De Gabriele, Eugene Marius, LA. Roslyn		Dobson, Thomas S. Bus.....	Renton
De Garmo, Gerald, Law.....	Seattle	Dodd, Gordon B. Law.....	White Swan
De Garmo, Marie, Bus.....	Seattle	Dodd, Gregory E. LA.....	Wapato
De Hart, Lucille, FA.....	Seattle	Dodds, Frances, FA.....	Tacoma
Dehne, Esther, LA.....	Seattle	Dodge, Elva Mabel, Sci.....	Portland, Ore
De Kraay, Raymond W. Law.....	Seattle	Dodge, Laurance, Law.....	Seattle
Delanty, William H. Bus.....	Aberdeen	Dodson, J A. Sci.....	Seattle
Delbar, Helen, LA.....	Seattle	Dodson, James M. Bus.....	Grand Jetn, Colo
Del Duca, Domeneen, FA.....	Seattle	Doernbercher, Dorothy, LA.....	Seattle
Del Duca, Elizabeth, Sci.....	Seattle	Doeschner, Minnie, Phar.....	Yakima
Deloso, Uldarico R. Sci.....	Philippines	Doheny, Geraldine, LA.....	Seattle
Dellar, Sarah D. LA.....	Portland, Ore	Doherty, Joseph, Bus.....	Butte, Mont
De Mary, Dorothy, FA.....	Rupert, Ida	Doi, Mary Teruko, Sci.....	Seattle
Deming, Meryl W. Sci.....	Seattle	Doi, Minaji, Engr.....	Seattle
Dempsey, Jack Thomas, Bus.....	Seattle	Doll, Howard B. Engr.....	Seattle
Denel, F Kramer, LA.....	Medford, Ore	Dolphin, John J. LA.....	Seattle
Denhof, Sherlie, BA.....	Chehalis	Dolphin, Ruth, Bus.....	Seattle
de Nille, Pierre J. LA.....	Cordova, Alaska	Doion, Edmund, Bus.....	Butte, Mont
DeNice, D Dee, Engr.....	Seattle	Domingo, Liberator S. LA.....	Philippines
Denny, Harold Michel, Engr.....	Easton	Dompler, Beatrice E. FA.....	Townner
Denny, John L. Law.....	Crockett, Tex	Donahoe, Marion, Bus.....	Chehalis
Depew, Chester, Engr.....	Edmonds	Donald, Isabel, Grad.....	Honolulu
De Puy, James, Bus.....	Tacoma	Donaldson, Hallie, FA.....	Allyn
Derby, Alfred, LA.....	Leavenworth	Donaldson, Mazie, Bus.....	Puyallup
Derby, Clarence, LA.....	Leavenworth	Donman, Charles, Engr.....	Seattle
Derig, Will M. Law.....	Selah	Donoghoe, B F. LA.....	Seattle
De Sellem, John B. For.....	Everett	Donovan, Harry, Bus.....	Monroe
De Sesisy, H J, Engr.....	Seattle	Donovan, Opal, (Mrs), LA.....	Seattle
DeSoto, Alexander, LA.....	Seattle	Donworth, Mary, LA.....	Seattle
Devanna, Aileen, LA.....	Auburn	Dormann, Helen M. Sci.....	Seattle
Devine, Omer George, LA.....	Butte, Mont	Dorris, Anne T. LA.....	Seattle
Dewar, Warren L. Bus.....	Manette	Dorris, Wm W. Bus.....	Seattle
Dexter, Glenn, LA.....	Seattle	Doty, Gladys K. LA.....	Seattle
Dewey, Bertha, Lib.....	Seattle	Dougherty, Oille, Bus.....	Seattle
De Witt, Ashley, Bus.....	Seattle	Doughty, Lawrence, Engr.....	Mt Vernon
De Witt, RH, Sci.....	Seattle	Dougherty, Ruth M. LA.....	Seattle
De Witt, Ruth, FA.....	Seattle	Douglass, Edward L. Engr.....	Wenatchee
Diamond, Charles E. LA.....	Astoria, Ore	Douglas, Jean E. LA.....	Seattle
Diamond, Joe, Bus.....	Seattle	Douglas, Neva, FA.....	Seattle
Diaz, Arsenio E. Sci.....	Philippines	Douglas, Wm A. Engr.....	Seattle
Dick, Miriam Russell, LA.....	Seattle	Douglass, Don D. Bus.....	Pasco
Dick, R Sherman, LA.....	Seattle	Douglas, Robert M. Bus.....	Seattle
Dicke, Virginia B. FA.....	Seattle	Doumit, Mitchell, Law.....	Seattle

Dow, Ethel J, LA.....	Tacoma	Dwire, Gertrude, Educ.....	Minot, ND
Dow, Wilbur E, LA.....	Seattle	Dyke, Joe, Bus.....	Seattle
Dowler, Dorothy V, LA.....	Chewelah	Dykeman, Lola T, Sci.....	Seattle
Dowling, Grace T, Grad.....	Seattle	Dykes, Robert Burns, LA.....	Seattle
Dowling, Jack, Engr.....	Portland, Ore	Dykstra, R G, Edu.....	Seattle
Downie, Charles A, Engr.....	Seattle		
Downie, Charles H, Engr.....	Brewster		
Downer, Garland B, Engr.....	Kersey, Colo	Eades, Beulah Agnes, Edu.....	Mesa
Doyle, Margaret, Pharm.....	Seattle	Eager, Lawrence Clinton, Engr.....	Seattle
Doyle, Sidney E, Engr.....	Seattle	Eagleson, Helen Jane, LA.....	Boise, Ida
Drake, Cornelia P, Sci.....	Spokane	Earles, Elizabeth V, FA.....	Seattle
Drake, Helen E, FA.....	Seattle	Easter, Charles Whitesly, Engr.....	Seattle
Drake, Helen W, Bus.....	Seattle	East, Marguerite, LA.....	Vancouver
Drake, James D, For.....	New York, N Y	Eastwood, Louise, LA.....	Seattle
Drake, Robert N L, For.....	Seattle	Ebbinghouse, Sherman, LA.....	Seattle
Drake, Lucille F, FA.....	Fall City	Eby, Edwin Harold, Grad.....	Seattle
Dranga, Melvin, LA.....	Seattle	Eby, Roger I, Engr.....	Spokane
Draper, Dorothy E, LA.....	Seattle	Eccles, David W, LA.....	Seattle
Draper, Esther, Bus.....	Seattle	Eckert, Donald Metzger, Engr.....	Seattle
Draper, J C, Engr.....	Des Moines	Ecker, Anthony J, Engr.....	Clayton
Drees, Marguerite, Sci.....	Seattle	Eckmann, Ancel C, Law.....	Seattle
Dremolski, Louie A, For.....	Seattle	Eckren, Dagrun Lillian, FA.....	Seattle
Drever, Helen, LA.....	Seattle	Edades, Victorio C, Grad.....	Philippines
Drew, Carl W, Bus.....	Tacoma	Edgerton, Ernest B, Grad.....	Seattle
Drew, Claire C, Jour.....	Seattle	Edgell, Dwight, Engr.....	Seattle
Drew, John Terrance, LA.....	Seattle	Edwards, Pauline, LA.....	Seattle
Drewliver, Kenneth, Bus.....	Seattle	Edlitz, Danica, FA.....	Seattle
Driscoll, Eugene A, Edu.....	Renton	Edler, Olof E, Phar.....	Mt Vernon
Driscoll, Charles I, BA.....	Seattle	Edline, Dorothy, Sci.....	Seattle
Drumbeller, James, LA.....	Seattle	Edlund, Frances E, Bus.....	Spokane
Drumbeller, Tom J, LA.....	Walla Walla	Edlund, Maurice L, LA.....	Tacoma
Drury, Don, FA.....	Seattle	Edmonds, R H G, Grad.....	Seattle
Dryden, M Dale, Bus.....	Seattle	Edmondson, Dorothy, LA.Santu Barbar, Cal	
Drysdale, Charles E, Engr.....	Everett	Edris, Louise Lawton, LA.....	Cheney
Du Bois, Frances G, FA.....	Seattle	Edris, Ruth L, LA.....	De Land, Fla
Du Bois, Richard, For.....	Vancouver	Edwards, Clarence V, LA.....	Seattle
Ducasse, Mabel, Grad.....	Seattle	Edwards, R Emerson, LA.....	Seattle
Duckering, R E, Phar.....	Seattle	Edwards, Grace, Grad.....	Seattle
Dudley, Mary, LA.....	Aberdeen	Edwards, Joseph O, FA.....	Parkland
Dudley, James, LA.....	Seattle	Edwards, James B, Engr.....	Seattle
Duff, Edmund E, Engr.....	Renton	Edwards, Ruth, LA.....	Seattle
Duff, Marian L, Sci.....	Renton	Edwards, Thelma Lillian, Grad.....	Seattle
Duffy, Edwin H, LA.....	Seattle	Edwards, William W, LA.....	Seattle
Duffy, Harold J, Jr, Fsh.....	Seattle	Effinger, William L, LA.....	Seattle
Dugan, Helen J, Sci.....	Seattle	Eggen, Edmond W, Bus.....	Seattle
Dugan, James C, Jr, LA.....	Seattle	Eggman, Adelaide V, LA.....	Skamokawa
Dugdale, Mary, FA.....	Seattle	Egtvet, Percy, Bus.....	Edmonds
Duke, Frances, Sci.....	Seattle	Ehle, Albert R, Engr.....	Seattle
Dulderich, Clifford E, Min.....	Vancouver	Ehlen, Maxine Elliot, LA.....	Pullman
Dunbar, Helen, LA.....	Vanhon	Ehmsen, Temple V, Engr.....	Lake Forest Pk
Duncan, Benjamin, FA.....	China	Eichhorn, G F, FA.....	Seattle
Duncan, Chas A, LA.....	Seattle	Eidal, Marie Geneva, Edu.....	Ellensburg
Duncan, John A, Jr, Sci.....	Seattle	Eide, Gudrun C, LA.....	Seattle
Duncan, Margaret E, LA.....	Seattle	Riffert, Dorothy, FA.....	Seattle
Duncan, Margaret M, Sci.....	Custer	Elfert, Opal Jean, Sci.....	Seattle
Dunker, Evelyn, LA.....	Seattle	Elkenbary, Calista, FA.....	Spokane
Dunn, Arthur G, Jr, Law.....	Seattle	Elder, Flora, LA.....	Seattle
Dunn, Florence, FA.....	Seattle	Elder, Raymond W, Educ.....	Seattle
Dunn, Frank, For.....	Seattle	Elhoit, Herley M, LA.....	Kirkland
Dunn, Gertrude, FA.....	Seattle	Ellerbeck, Karl H, Engr.....	Seattle
Dunn, John M, LA.....	Juneau, Alaska	Elias, Margaret, LA.....	Seattle
Dunn, Lawrence, LA.....	Seattle	Eliassen, Ellert J, Engr.....	Seattle
Dunn, Lucy, FA.....	Seattle	Ellington, Evelyn, FA.....	Des Moines
Dunn, Mabel, LA.....	Seattle	Elliott, Gay H, LA.....	Seattle
Dunn Winifred, LA.....	Seattle	Elliott, Gladys, LA.....	Seattle
Dunn, Yenchuen Y, Bus.....	China	Elliott, Richard C, Sci.....	Tacoma
Dunnigan, Estelle M, LA.....	Seattle	Ellis, Alta Mae, LA.....	Seattle
DuPuis, Frederick J, LA.....	Seattle	Ellis, Katherine M, LA.....	Waterville
Durfee, Dorothy, Jour.....	Ventura, Cal	Ellis, Norma B, Sci.....	Seattle
Durgee, Schuyler L, Engr.....	Seattle	Ellis, Ward H, FA.....	Seattle
Durgin, Carey L, Engr.....	Enumclaw	Ellis, Sam B, Engr.....	Waterville
Durkee, K M, Engr.....	Seattle	Elmore, Ann, LA.....	Seattle
Durose, Fred W, Sci.....	Seattle	Elwell, Fred, Bus.....	Kelso
Dusenberg, Inez M, LA.....	Seattle	Emery, E G, Engr.....	Seattle
Dutch, Dorothy E, Sci.....	North Bend, Ore	Emery, John F, Engr.....	Seattle
Dutton, Evelyn, FA.....	Seattle	Emig, John Wm, Engr.....	Leavenworth
Dutton, Gladys, Grad.....	Seattle	Emmons, Ralph W, LA.....	Salem, Or
Dutton, Harry J, Bus.....	Seattle	Eng, Arthur G, Bus.....	Seattle
Duwe, Dora, Educ.....	Marysville	Eng, Jack, Engr.....	China
Duwe, Richard A, Bus.....	Seattle	Eng, Keys S, Bus.....	Canton, China
Dwiane, W Raynor, LA.....	Everett	Eng, R T, Sci.....	Canton, China

Engbaum, Gordon L, For.....	Kelso
Engberg, Ralph, FA.....	Seattle
Engdahl Evelyn, Sci.....	Spokane
Engdahl, F Russell, Bus.....	Spokane
Engdahl, Karl E, Bus.....	Spokane
Engel, E D, Engr.....	Seattle
Engel, Helen, LA.....	Seattle
Engelskjen, Eleanor, FA.....	Seattle
Enger, Bernice, Sci.....	Tacoma
Engle, James R, Bus.....	Spokane
England, Olga, FA.....	Seattle
Engle, Frances, Bus.....	Seattle
Engle, N H, Grad.....	Edmonds
Engle, Robert Ernest, Bus.....	Coupeville
Engle, Mrs Ruth M, Grad.....	Edmonds
Engler, James, LA.....	Seattle
Engmann, Siri F, FA.....	Seattle
Engstrom, Elton, LA.....	Wrangell, Alaska
Ennis, Mercedes E, FA.....	Seattle
Epton, J Wiltsie, Sci.....	Seattle
Erdman, Natalie, Grad.....	Seattle
Erholm, Ben T, LA.....	Seattle
Erickson, Allen L, Bus.....	Tukwila
Erickson, Archie M, Engr.....	Deep River
Erickson, Clifford F, Bus.....	Seattle
Erickson, Elsie, LA.....	Seattle
Erickson, Ernest Arthur, Grad.....	Tacoma
Evans, W Fred, Bus.....	Vancouver, B C
Erickson, Gilbert, Bus.....	Seattle
Erickson, Jewell A, Grad.....	Seattle
Erickson, Leonard, Bus.....	Seattle
Erickson, Lloyd Edward, LA.....	Seattle
Erickson, Phil K, LA.....	Seattle
Erickson, Richard, Bus.....	Edmonds
Erickson, Roosevelt, LA.....	Everett
Erickson, Sibyl, Sci.....	Port Angeles
Erickson, Walden O, Bus.....	Seattle
Erlenborn, Franz J, Bus.....	Seattle
Ernst, Eleanor, LA.....	Seattle
Ernst, Kenneth G, FA.....	Seattle
Erving, Talna Anna, Bus.....	Winlock
Eary, Myrtle F, Sci.....	Bow
Easbia, Baptista, LA.....	Philippines
Easpa, Sotero, LA.....	Philippines
Estay, Emily S, LA.....	Mercer Island
Ethel, Garland O, Grad.....	Seattle
Etherington, Thomas J, Grad.....	Elma
Eugenio, Jose C, Engr.....	Philippines
Evans, Catherine, FA.....	Seattle
Evans, Clementine, Phar.....	Seattle
Evans, Don H, Engr.....	Seattle
Evans, Frances Ruth, LA.....	Seattle
Evans, H W, Bus.....	Seattle
Evans, Irene, Bus.....	Bellingham
Evans, Jack, LA.....	Seattle
Evans, John Rhys, Bus.....	Seattle
Evans, Margaret Virginia, FA.....	Seattle
Evans, Marian, FA.....	Colville
Evans, Miller, Engr.....	Seattle
Evans, Milton J, Bus.....	Seattle
Evans, Roger W, For.....	Kapowsin
Evans, Robert G, Engr.....	Grandview
Evans, Thelma, LA.....	Vancouver
Evatt, Orrin, Edu.....	Bellingham
Evenson, Bernard, Sci.....	Aberdeen
Evenson, Justin Clifford, Engr.....	Seattle
Evenson, Jr, W B, Law.....	Seattle
Everett, Elizabeth, FA.....	Seattle
Ewin, E Wells, Bus.....	Anchorage, Alaska
Ewing, Claude Clifford, Bus.....	Seattle
Ewing, Elsie, LA.....	Great Falls, Mont
Ewing, Frank Gerheart, LA.....	Seattle
Fabico, Emilio F, Bus.....	Philippines
Fable, Numeriano, Min.....	Philippines
Fahey, Philip B, LA.....	Seattle
Faget, A Melvin, LA.....	Los Angeles, Cal
Faucher, Florence, FA.....	Seattle
Fairchild, Inez, FA.....	Seattle
Fairley, David B, Bus.....	Seattle
Fairley, Nells, LA.....	Seattle
Fairservice, Hazel, Grad.....	Clallam Bay
Falconer, Maynard C, Engr.....	Tacoma
Falk, David, Bus.....	Seattle
Falk, Julius B, LA.....	Seattle
Falkorich, O, Engr.....	Russia
Faller, Howard E, Bus.....	Everett
Fant, Albert W, Engr.....	Seattle
Farr, Forest W, Engr.....	Seattle
Farber, Lena, LA.....	Tacoma
Farnasoulis, John B, LA.....	Seattle
Farnham, Ruth, LA.....	Spokane
Farrar, Newell, LA.....	Seattle
Farrell, Robert S, Jr, LA.....	Portland, Ore
Farrester, Flisk L, Engr.....	Amah
Farrington, Elizabeth, FA.....	Seattle
Farwell, Stanley E, Bus.....	Auburn
Fasken, Georgia E, LA.....	Cashmere
Fassero, Peter, Sci.....	Cle Elum
Faurie, Eugene Roy, Engr.....	Seattle
Faust, Marion, LA.....	Ellensburg
Fay, Jean Bradford, FA.....	Seattle
Fearn, Hewitt, Min.....	Seattle
Featherstone, Harriet, LA.....	Seattle
Featherstone, John A, Sci.....	Wallace, Ida
Fee, Margaret, LA.....	Seattle
Feek, Charles, Bus.....	Clinton
Feek, Edward, LA.....	Seattle
Feek, Florence, Sci.....	Seattle
Felch, Baxter C, Bus.....	Seattle
Felipe, Servando V, Engr.....	Philippines
Felipe, Nemesio V, Bus.....	Philippines
Fellers, Norman V, LA.....	Tacoma
Fellman, Walter W, Engr.....	Hood River, Ore
Fellows, Hallis A, LA.....	Seattle
Felmley, Marion, Bus.....	Seattle
Felton, Glenn N, Bus.....	Kennewick
Felton, Rhoda, Bus.....	Spokane
Fenosio, Andres T, Engr.....	Philippines
Fenton, Elizabeth, LA.....	Seattle
Fenton, Henry R, Bus.....	Seattle
Ferguson, Lols G, Sci.....	Seattle
Ferguson, Marion, FA.....	Seattle
Ferguson, Roy, Bus.....	Seattle
Fernandes, Joseph, Phar.....	Seattle
Ferrera, Fernanda, Sci.....	Philippines
Ferrier, Gladys C, LA.....	Aberdeen
Ferris, Edith L, Sci.....	Seattle
Ferry, Frances, FA.....	Seattle
Ferry, Kate, LA.....	Seattle
Feschenmaier, Athylene M, LA.....	Seattle
Fickel, Ruth, Sci.....	Everett
Fickle, Mary Louise, FA.....	Seattle
Field, M Alice, LA.....	Seattle
Field, Mary Louise, FA.....	Seattle
Field, Ruth B, LA.....	Leavenworth
Field, Wm A, Bus.....	Cordova, Alaska
Field, W P, Engr.....	Seattle
Fields, Cecil R, Bus.....	Mt Vernon
Fields, Earl T, Grad.....	Woodland
Fieser, James E, For.....	Shelton
Finch, Harold D, Engr.....	Sedro-Woolley
Finch, Myron H, Edu.....	Aberdeen
Fine, Martha, FA.....	Seattle
Finn, Charles W, LA.....	Seattle
Finke, Ralph W, Engr.....	Seattle
Finland, G H, Min.....	Victoria, Can
Finlon, Arthur, Fsh.....	Seattle
Finnegan, Frances, LA.....	Bellingham
Fischer, Apollonio, Sci.....	Renton
Fischer, Louis, Phar.....	Seattle
Fiscus, Louis R, LA.....	Seattle
Fish, Vynor Starr, LA.....	Ellensburg
Fisher, Dorothy, FA.....	Seattle
Fisher, Harold, Fsh.....	Seattle
Fisher, Jack, LA.....	Seattle
Fisher, Kenneth R, LA.....	Seattle
Fisher, Lloyd H, Engr.....	Seattle
Fisher, Maier T, Bus.....	Edwall
Fisher, Roy R, Engr.....	Seattle
Fisher, W D, LA.....	Napa, Cal

Fisk, R T, Edu.	Seattle
Fitch, Hereford, LA.	Tacoma
Fitch, Susan, LA.	Tacoma
Fitterer, Dorothy, LA.	Ellensburg
Fitz, Olive, LA.	Seattle
Fitzgerald, Elizabeth, Phar.	Seattle
Fitzgerald, Hattie May, Sci.	Seattle
Fitzpatrick, May, Bus.	Seattle
Fitzgerald, Louis, Bus.	Vancouver
Fitzgerald, Vernor, Bus.	Spokane
Fitzgerald, Wayne A, Bus.	Spokane
Fitzsimmons, Jean, LA.	Seattle
Fitzsimmons, Mary, LA.	Vancouver
Fix, Russell O, Engr.	Kapowsin
Fjarlie, Aagot Jeanette, LA.	Silvona
Fladd, Norma, Unmat.	Seattle
Flagler, C W, Sci.	Spokane
Flahaut, Martha R, Grad.	Seattle
Flanagan, George Clemans, LA.	Seattle
Flanders, John C, Engr.	Seattle
Flanders, Winona, FA.	Portland, Ore
Flanigan, Margaret E, Bus.	Seattle
Flannigan, Fred L, Bus.	Seattle
Flatebo, Borghild, Bus.	Seattle
Flatebo, Helga, FA.	Seattle
Flath, Marie, Grad.	Stanley, N D
Flavin, Ruth, FA.	Tacoma
Fleischer, Clara D, Sci.	Seattle
Fleming, James, P, Bus.	Seattle
Fleming, Robert E, LA.	Seattle
Fletcher, Blanche, FA.	Seattle
Fletcher, Charles Miller, Engr.	Chewelah
Fletcher, George G, Phar.	Seattle
Fletcher, James V, LA.	Seattle
Fletcher, Mary Helen, FA.	Billings, Mont
Fligg, Claude M, Engr.	The Dalles, Ore
Flint, Floyd, LA.	Seattle
Flock, Eunice, LA.	Spokane
Flock, Mabel, LA.	Seattle
Flodin, Carl R, Jr, Engr.	Spokane
Flodman, Milton N, LA.	Wahoo, Nebr
Flood, George E, Grad.	Seattle
Flohr, I Carlos, Engr.	Seattle
Flohr, B Fermin, Engr.	Seattle
Floks, Ben M, Phar.	Seattle
Flournoy, A G, Fsh.	Seattle
Floyd, Raymond, Bus.	Dayton
Florence, Bernyce I, FA.	Hoquiam
Fuhrner, Louise, Bus.	Seattle
Fuhrner, Ruth, Bus.	Seattle
Flynn, Madeleine, LA.	Spokane
Foley, Maurice P, Sci.	Maple Valley
Follett, Floyd K, FA.	Seattle
Folette, Evelyn C, Bus.	Seattle
Folsom, Morrill F, LA.	Lakota
Folsom, Myrna L, Bus.	Toppenish
Folts, Frances, Sci.	Seattle
Foltz, Elva, Sci.	Seattle
Foltz, Laure A, Grad.	Parkland
Fonacier, Felix C, Bus.	Philippines
Fonacier, Guillermo C, LA.	Philippines
Fonaci, Harriet E, FA.	Seattle
Foot, Luauada, Edu.	Seattle
Foot, William H, Engr.	Portland, Ore
Forbes, Evelyn G, Sci.	Seattle
Forbes, Helen, LA.	Seattle
Forcum, P L, Engr.	Seattle
Ford, Foster, Engr.	Tacoma
Ford, Gertrude C, Bus.	Trenton, Nebr
Ford, Wm F, LA.	Seattle
Foreman, Iona, Sci.	Seattle
Forier, Marian J, FA.	Seattle
Forman, Fred, Bus.	Wapato
Forman, Raymond, LA.	Wapato
Forrest, Jack, Law.	Seattle
Forster, F E, Bus.	Seattle
Fortin, Jean, Engr.	Bordeaux, France
Fortier, Bus.	Bremerton
Forward, Charles H, For.	Oregon City, Ore
Foss, Virginia Ruth, FA.	Walla Walla
Fosse, Nelda J, Bus.	Stevensons
Fossun, Neal, LA.	Spokane
Foster, Albert O, Bus.	Tacoma
Foster, David A, FA.	Richmond Beach
Foster, Dorothy, Sci.	Omak
Foster, Gertrude, Sci.	Omak
Foster, Stanbery, LA.	Seattle
Fountain, Harold A, LA.	Clarkston
Fouts, Marcia, Sci.	Seattle
Fouts, Margaret, Sci.	Seattle
Fovarpue, Mary E, LA.	Aberdeen
Fowler, Herbert E, Grad.	Bellingham
Fowler, Wallace, Bus.	Tacoma
Fowlkes, Florence, LA.	Seattle
Fowlkes, Julia, LA.	Seattle
Fox, Bernard A, Bus.	Spokane
Fox, Joseph S, LA.	Seattle
Fox, Kenneth, Engr.	Snohomish
Foy, Raymond, Law.	Seattle
Foy, Ruby M, LA.	Fort Orchard
Fragen, Nathan, Engr.	Seattle
Fraley, Lorraine, Sci.	Seattle
France, Mariel E, LA.	Montesano
Francis, Irene F, Sci.	Philippines
Francis, A D, Engr.	Tacoma
Frandsen, Eleonora, LA.	Fremont
Frankland, Walter, Bus.	Seattle
Franklin, Alice, LA.	Denver, Colo
Franklin, Charles, Bus.	Naches
Franks, Ernest, Engr.	Seattle
Frank, Beth, Bus.	Seattle
Fraser, Jack R, LA.	Yakima
Fraser, Lincoln, Phar.	Libby, Mont
Fraser, Russell E, LA.	Davenport
Fraser, Whittier, Bus.	Burton
Frays, Mort, LA.	Seattle
Frederick, Paul J, Bus.	Seattle
Freeburg, Roy E, FA.	Seattle
Fredd, Joseph, Bus.	Seattle
Freeman, Fred W, Jr, Bus.	Puyallup
Freeze, Hildegard, LA.	Seattle
Frelberg, Bernice, LA.	Spokane
French, Jesse I, Bus.	Seattle
French, Ray, Law.	Okanogan
French, William P, Engr.	Seattle
Freund, Jane S, Sci.	Butte, Mont
Freund, Julia, LA.	Anacortes
Frewing, Olive M, Sci.	Ridgefield
Freyd, Bernard, Grad.	Seattle
Friborg, Arnold E, LA.	Seattle
Fricke, Edgar F, Bus.	Seattle
Friday, Paul D, LA.	Seattle
Friderici, Hazel, LA.	Seattle
Friedlander, Selma S, LA.	Seattle
Friedman, Abe, LA.	Seattle
Friend, L R, Sci.	Anacortes
Friesse, Bernice V, LA.	Edmonds
Fritz, Gladys N, LA.	Seattle
Frizzell, Don L, FA.	Seattle
Frohman, Clyde, Bus.	Puyallup
Frost, Frank W, Bus.	Seattle
Frost, Julia E, FA.	Riverside, Cal
Frost, Leona K, FA.	Seattle
Frost, Vernon R, Jour.	Spokane
Froude, Ruth, LA.	Seattle
Froula, Dave, Engr.	Seattle
Froula, Olivia, Bus.	Seattle
Frolov, Boris, Engr.	Seattle
Fry, Elizabeth H, Sci.	Olympia
Fry, Irene, LA.	Seattle
Fry, Iva, Sci.	Hoquiam
Fryer, E, Fsh.	Tacoma
Fryer, Lucia E, LA.	Seattle
Fryer, Vallere D, Grad.	Tacoma
Fryholm, Frances, FA.	Seattle
Fujii, Yoshito, LA.	Seattle
Fuller, Richard E, Grad.	Seattle
Fullington, Lloyd H, For.	Seattle
Fulton, Donald, Engr.	Everett
Fulton, Omer T, Bus.	Ellensburg
Furey, Frances E, FA.	Tonasket
Furgeson, Carey, LA.	Seattle

Furgeson, Leora, Sci.....Sumner
 Furro, M Irving, Engr.....Eatonville
 Furuya, Mass, FA.....Seattle
 Furuya, Wm N, Bus.....Seattle

Gabbett, Eleanor, Sci.....Pt Townsend
 Gabrielson, Carl, Bus.....Puyallup
 Gage, Florence, FA.....Seattle
 Gaine, Juanita June, FA.....Seattle
 Gaines, Donald L, LA.....Seattle
 Gallbraith, June E, LA.....Seattle
 Galima, Leonardo C, LA.....Philippines
 Gallagher, Eileen, LA.....Seattle
 Gallinger, Edythe Myldred, FA.....Seattle
 Galloway, Robert Lee, Bus.....Seattle
 Gals, Byron H, Bus.....Seattle
 Gumble, Robert Wagoner, LA.....Spokane
 Gumer, Alice E, Sci.....Seattle
 Gummell, John, Eng.....Burton
 Garbe, Frank, LA.....Chehalis
 Garden, Kathryn, LA.....Charleston
 Gardner, Bryson R, Bus.....Tacoma
 Gardner, Carl L, LA.....Seattle
 Gardner, Harold A, Engr.....Seattle
 Gardner, J Herbert, Bus.....Seattle
 Garland, Bob R, Bus.....Seattle
 Garland, Lois, LA.....Seattle
 Garman, G W, Engr.....Seattle
 Garman, Roger H, Sci.....Seattle
 Gurner, Heien, LA.....Seattle
 Garner, Louella, LA.....Seattle
 Garred, Ward K, Bus.....Coulee
 Garrettson, Zelma, LA.....Cosmopolis
 Garrett, Alice, Bus.....Seattle
 Garrett, Elton, Edu.....Puyallup
 Garret, Ruth Thurston, Sci.....Seattle
 Garrison, Geo, Bus.....Seattle
 Garrison, Homer D, Engr.....Seattle
 Garrison, Virginia J, LA.....Everett
 Garrett, Hal N, LA.....Seattle
 Garrott, Jean, LA.....Seattle
 Garvey, Velma C, Phar.....Seattle
 Gaskell, Nellie, Sci.....Ronald
 Gastel, Sallie A, Sci.....Seattle
 Gates, Alice Elizabeth, LA.....Seattle
 Gates, Ben L, LA.....Seattle
 Gates, Bryan C, Phar.....Seattle
 Gates, Duane U, LA.....Hoquiam
 Gaul, Henry C, Bus.....Seattle
 Gaul, Leona Louise, FA.....Everett
 Gaunce, Harold W, Engr.....Seattle
 Gavin, Hugh O, LA.....Seattle
 Gayler, Anne R, LA.....Seattle
 Gayler, Ernest, LA.....Bremerton
 Gaylor, W D, LA.....Spokane
 Geary, Vertis H, For.....Lake Charles, La
 Gedmin, Ludmilla, Phar.....Seattle
 Geehan, John Sci.....Tacoma
 Gohring, Par Jerome, Bus.....Yakima
 Gelhel, Fred, Bus.....Bremerton
 Gelsman, Clayton F, Bus.....Seattle
 Gelsness, John, LA.....Pt Angeles
 Gelst, Marian E, Libr.....Walla Walla
 Genauer, Sam, LA.....Seattle
 Gentis, Mildred, Sci.....Seattle
 Gentle, Ottalene, LA.....Centralia
 George, Dorothy, Sci.....Seattle
 George, Dorothy Thomas, LA.....Seattle
 George, Evaline, LA.....Seattle
 George, Mary Martha, LA.....Seattle
 George, Mary O, Bus.....Seattle
 Gerbel, Maribeth, LA.....Seattle
 Gerhardt, Dorothy E, LA.....Aberdeen
 Gerhardt, Karl E, LA.....Aberdeen
 Gori, Frank H, Sci.....Bellingham
 Gerriets, Bertha A, LA.....Mt Vernon
 Gerry, Marion, LA.....Seattle
 Getchell, Asher F, LA.....Seattle
 Getchell, Eleanor A, FA.....Seattle

Gettelman, Eugene, LA.....Seattle
 Gheghorne, Maybelle, LA.....Seattle
 Giblin, Arthur A, LA.....Tacoma
 Gibb, Minnie, LA.....Aberdeen
 Gibbon, Waldyn L, LA.....Seattle
 Gideon, Edith M L, LA.....Winslow
 Gibson, Leslie R, LA.....Granger
 Gierlin, Russell B, Bus.....Seattle
 Gierlin, Grace, LA.....Seattle
 Gilbert, Marie, LA.....Seattle
 Giesy, Huldamay, LA.....Menlo
 Gilbert, Harold S, Bus.....Seattle
 Gilbert, Ruby, Sci.....Mt Vernon
 Gilles, J Espy, LA.....Pt Angeles
 Gilhams, Helen, LA.....Sturgis, Mich
 Gill, George B, Engr.....Seattle
 Gill, Kenneth H, Bus.....Snohomish
 Gilleland, Mary R, LA.....Seattle
 Gillen, Charlotte Z (Mrs), FA.....Chelan
 Gillespie, Loris A, Bus.....Brewster
 Gillespie, Margaret R, LA.....Seattle
 Gillett, Erma M, Sci.....Cle Elum
 Gillette, Mildred B, Phar.....Seattle
 Gillings, Bertha, Sci.....Omak
 Gilmer, Mary Gertrude, LA.....Seattle
 Gilmore, Josephine L, LA.....Seattle
 Gilmore, Helen, LA.....Seattle
 Gilmore, Kenneth W, LA.....Seattle
 Gilmore, R H, LA.....Seattle
 Giovanini, Frank, Engr.....Roslyn
 Girard, Esther E, LA.....Hoquiam
 Giumtoni, Julius, LA.....Red Lodge, Mont
 Glandon, V Ruth, Sci.....Seattle
 Glanville, Arthur T, Grad.....Seattle
 Glasgow, Joyce, FA.....Tacoma
 Glass, Robert, Engr.....Auburn
 Glass, Rose, Grad.....Seattle
 Glass, Samuel N, LA.....Murphy, Ida
 Glaze, Nina M, Bus.....Seattle
 Glavinovich, Carl S, Sci.....Seattle
 Gleson, Belle, Grad.....Seattle
 Gleason, Robert J, Engr.....Seattle
 Gleason, Joseph A, Bus.....Yakima
 Glen, Juliet Katherine, FA.....Seattle
 Glendenning, Mary C, Grad.....Walla Walla
 Glenn, Wesley S, Law.....Seattle
 Glerup, M J, Bus.....Spokane
 Glesin, Dora, LA.....Seattle
 Glickman, Diana, LA.....Portland, Or
 Glotfelty, Gertrude, LA.....Spokane
 Gloyd, C H, Bus.....Puyallup
 Gloyde, Harold, Bus.....Tacoma
 Gochmour, Floyd E, LA.....Montesano
 Godefroy, Charles A, Engr.....Seattle
 Godefroy, William, Sci.....Spokane
 Godfrey, Xells W, Engr.....Lake Stevens
 Godfrey, Rosalie S, Grad.....Topeka, Kan
 Godsey, Bess H, LA.....Seattle
 Goering, Elmer, LA.....Monroe
 Goerig, Elizabeth M, FA.....Seattle
 Goff, E W, Engr.....Chelan Falls
 Goldblatt, Alfred, LA.....Seattle
 Goldblatt, Helen, LA.....Spokane
 Goldblatt, Helen, LA.....Spokane
 Golden, Constance, Bus.....Bremerton
 Goldsmith, Mary E, LA.....Portland, Ore
 Goldsmith, Louis C, LA.....Seattle
 Goncharoff, Leon N, Engr.....Seattle
 Gonzales, Jose, LA.....Philippines
 Good, Harold E, Bus.....Mt Vernon
 Good, Lydia M, LA.....Mt Vernon
 Goodlick, Samson, Phar.....Seattle
 Goodman, Bertha, Libr.....Portland, Ore
 Goodrich, Robert R, Min.....Pt Townsend
 Goodsell, Julia, Sci.....Chelan
 Goodwin, Shirley, LA.....Seattle
 Goodwin, Thomas K, Fish.....Spokane
 Goon, Henry, Bus.....Seattle
 Goon, John L, Bus.....Seattle
 Goore, John, Engr.....Tacoma
 Gorbovitzky, Max, Engr.....Seattle

Gordon, Clair, For.....	Seattle
Gordon, Clara V—LA.....	Seattle
Gordon, Jean, LA.....	Lake Steilacoom
Gordon, Madeleine, Bus.....	Seattle
Gordon, Walter S Jr, Engr.....	Seattle
Gorham, Elaine, LA.....	Snohomish
Gorham, Elizabeth, LA.....	Seattle
Gorham, Harlan W, Bus.....	Snohomish
Gorham, Helen M, LA.....	Snohomish
Gorham, Sarah, LA.....	Seattle
Gorline, John, Bus.....	Tenino
Gorow, Frank F, Sci.....	Tacoma
Gorrell, W Genevieve, LA.....	Seattle
Gorton, Samuel H, Edu.....	Tacoma
Gosa, Earl H, Sci.....	Seattle
Goss, E Lyle, LA.....	Sumner
Gouldie, G E, Engr.....	Seattle
Gould, Eugene Cary, Bus.....	Seattle
Gould, Mary Louise, LA.....	Seattle
Gould, Vernon R, Bus.....	Seattle
Gourlay, Arthur, Bus.....	Seattle
Gourlay, Robert, LA.....	Seattle
Gove, George W, Bus.....	Everett
Gow, Paul L, Sci.....	Seattle
Gowen, Sylvia M, LA.....	Seattle
Grace, Elizabeth, LA.....	Seattle
Grace, Robert, Law.....	Seattle
Gracey, Clellen B, Engr.....	Seattle
Grafe, Margaret L, LA.....	Seattle
Graff, P N, LA.....	Seattle
Grage, Herbert, For.....	Everett
Graham, Carroll F, Bus.....	Sunnyside
Graham, Donald P, Engr.....	Seattle
Graham, Elizabeth E, LA.....	Bellingham
Graham, Evelyn M, Bus.....	Seattle
Graham, Frederick O, Phar.....	Bellingham
Graham, H Jay, LA.....	Toppenish
Graham, Helen, FA.....	Seattle
Graham, Mary H, FA.....	Bellingham
Graham, Molly, FA.....	Spokane
Grahn, Clarence A, Bus.....	Seattle
Grahn, Myrtle, Unmat.....	Seattle
Grahn, Raynold F, Bus.....	Seattle
Grant, Anne E, LA.....	Seattle
Grant, Frank W, Engr.....	Everett
Grant, Helen, LA.....	Seattle
Grant, Helen Marie, Sci.....	Spokane
Grant, Jeanie, LA.....	Seattle
Grant, Laura Ethel, FA.....	Seattle
Grant, Leslie R, Bus.....	Vancouver, BC
Grant, Nell, Bus.....	Wrangell, Alaska
Grant, Samuel Walker, Phar.....	Seattle
Grant, Vernon H, Engr.....	Seattle
Grant, Wells H, Fish.....	Seattle
Grantham, Marguerite, Bus.....	Seattle
Grasser, Melvin W, Engr.....	San de Fuca
Graves, Katherine, LA.....	Seattle
Graves, Marjorie Mae, LA.....	Edmonds
Graves, Virginia S, FA.....	Seattle
Granberg, John Wilbur, LA.....	Tacoma
Gray, Charles W, Sci.....	Seattle
Gray, Donald J, Sci.....	Seattle
Gray, Edith, LA.....	Spokane
Gray, Emanuel Alexander, LA.....	Seattle
Gray, Helen E, FA.....	Seattle
Gray, E Louis, LA.....	Viola
Gray, Mary Anne, LA.....	Seattle
Gray, Virginia, LA.....	Seattle
Grearson, Florence, Sci.....	Bothell
Grebe, Dana Marie Geraldine, LA.....	Spokane
Grebe, Enid A, FA.....	Spokane
Greely, Cyril R, LA.....	Great Falls, Mont
Greely, Gilbert F, Bus.....	Great Falls, Mont
Greely, Myril J, LA.....	Seattle
Green, Elizabeth G, FA.....	Ansonia, Conn
Green, Elmer Ellsworth, Engr.....	Seattle
Green, John H, Mines.....	New York
Green, Lloyd Elmer, Bus.....	Seattle
Green, Mamie J, LA.....	Seattle
Green, Marvel, Sci.....	Seattle
Green, Thomas M Jr, Law.....	Seattle
Greenbank, Herbert, Law.....	Seattle
Greenberg, Abe Arthur, Phâr.....	Seattle
Greenberg, Arthur A, Phar.....	Seattle
Greenberg, Dorothy, FA.....	Seattle
Greenberg, Eloise, FA.....	Seattle
Greenblatt, Belle Winifred, LA.....	Seattle
Greene, Hamilton L, Law.....	Seattle
Greene, John Willard, Engr.....	Seattle
Greenough, Joseph Warren, LA.....	Spokane
Greenstone, Charles Robert, LA.....	Seattle
Greenstreet, Charlotte, LA.....	Seattle
Greenwalt, O W, Sci.....	Yakima
Greenwell, Joseph L Jr, Sci.....	Seattle
Greenwich, Al, Fsh.....	Seattle
Greger, William, Bus.....	Everett
Gregg, Dorothy Dean, FA.....	Chehalis
Gregory, Eugene J, LA.....	Clarkston
Gregory, J C, Engr.....	Seattle
Gregory, Mercer, LA.....	Seattle
Greig, Arthur F, LA.....	Cashmere
Grieg, William, Bus.....	Cashucre
Greiner, Don F, Bus.....	Seattle
Grelner, Mary, FA.....	Portland, Ore
Griadasoff, Leonid, Min.....	Russia
Griep, Elmer F, Engr.....	Seattle
Griep, Kenneth, Bus.....	Fruitland, Ida
Griffin, A R, FA.....	Sedro-Woolley
Griffin, Edwin L, LA.....	Tacoma
Griffin, Irma R, Sci.....	Seattle
Griffin, J H, Jr, Engr.....	Tacoma
Griffin, Marie, Edu.....	Seattle
Griffith, William, Grad.....	Seattle
Griffiths, Francis P, Sci.....	Seattle
Grigg, Edwin R, Engr.....	Olympia
Grigg, Norval William, Engr.....	Seattle
Grigg, Winston B, Engr.....	Olympia
Griggs, J H, Edu.....	Yakima
Crimson, Harry, Bus.....	Seattle
Grindell, Virginia, LA.....	Seattle
Grinstein, Sidney, LA.....	Seattle
Grisedale, George M Jr, For.....	Shelton
Grisedale, Joseph C, For.....	Shelton
Griswald, Luella, Sci.....	Sunnyside
Gritman, Lorene, LA.....	Spokane
Gritsch, Anton H, LA.....	Seattle
Grocock, Frances E, Sci.....	Seattle
Groff, Margaret Alice, FA.....	Seattle
Groff, Malcolm K, LA.....	Seattle
Groff, Clark F, LA.....	Everett
Gross, Richard A, Bus.....	Walla Walla
Groth, John H, LA.....	Seattle
Groves, George W, FA.....	Seattle
Grubbs, Margaret, LA.....	Tacoma
Gruher, Foster M, FA.....	Walla Walla
Gruenberg, Marguerite, LA.....	Seattle
Grummett, Edith N, Sci.....	Seattle
Gummer, Ada May, LA.....	Missoula, Mont
Grunbaum, Helen, LA.....	Seattle
Grunbaum, Henry, Bus.....	Seattle
Grunbaum, James E, FA.....	Seattle
Grunbaum, Jane, LA.....	Seattle
Gunderson, F J, Engr.....	Wrangell, Alaska
Gualtieri, Juliet, FA.....	Seattle
Guerin, Helen, FA.....	Seattle
Guffy, William C, Phar.....	Langley
Gullien, Filemon, LA.....	Philippines
Guimont, John Joseph, Bus.....	Seattle
Guimont, Robert Pat, LA.....	Seattle
Gulang, Pedro G, LA.....	Philippines
Gullicksen, Harold, LA.....	Seattle
Gulick, John Douchester, Bus.....	Seattle
Gullick, Margaret, LA.....	Seattle
Gullicksen, Olive, LA.....	Everett
Gullicksen, Webster E, LA.....	Everett
Gulstine, Morris, Engr.....	Seattle
Gunby, Andrew Clarke, Grad.....	Seattle
Gunby, Edwin C, LA.....	Seattle
Gunderson, Ruth, Sci.....	Seattle
Gunnell, Mary B, FA.....	Seattle
Gunnerson, Ellen, FA.....	Seattle
Guptil, Muriel, Sci.....	Sumner

Gushon, Perry R, LA.....	Seattle	Hampton, Jane J, LA..	Salt Lake City, Ut																																																																																																																																																																																																																																																																																																																				
Gustafson, Iva Marie, Phar.....	Cosmopolis	Hanafusa, Fumi A, Bus.....	Seattle																																																																																																																																																																																																																																																																																																																				
Gustanoff, Abe, Engr.....	Seattle	Haner, Norman W, Engr.....	Wickersham	Gustlin, Helen, Bus.....	Monroe	Haner, Victor C, Engr.....	Wickersham	Guthrie, Elton F, LA.....	Seattle	Haney, Wayne, LA.....	Seattle	Guttormsen, George, LA.....	Everett	Hanks, Josephine, FA.....	Seattle	Guy, Albert K, Phar.....	Seattle	Hanley, John J, Grad.....	Seattle	Guyer, Edward C, LA.....	Seattle	Hanley, Robert R, LA.....	Wenatchee	Gwinn, Ernest S, Engr.....	Seattle	Hanley, Myron V, Bus.....	Seattle	Gyde, Sally R, Grad.....	Wallace, Ida	Hanna, J Craig, LA.....	Ontario, Calif			Hannah, Fred P, Phar.....	Friday Harbor			Hannant, Olive M, Grad.....	Seattle	Haase, Albert P, Bus.....	Astoria	Hannum, Clair A, Sci.....	Seattle	Haase, Edna L, Sci.....	Seattle	Hannum, Margaret Lucinda, LA.....	Mabton	Habicht, Helen M, LA.....	Seattle	Hanschel, Violet, FA.....	Seattle	Hack, George P, LA.....	Mercer Island	Hanson, Edith, Sci.....	Olympia	Hackett, Clara A, LA.....	Tacoma	Hanson, Anne R, Bus.....	Seattle	Hackman, Fred Milton, LA.....	Everett	Hanson, O C, Engr.....	Iron Mountain, Minn	Hackney, Devere, Bus.....	Centralia	Hansen, George F, Bus.....	Seattle	Haddock, J Boyd, Bus.....	Earlington	Hansen, Helen A, LA.....	Snohomish	Haddon, Joseph Elbert, Sci.....	Bremerton	Hansen, Inga M, LA.....	Pt Angeles	Hadsell, Robert L, Bus.....	Everett	Hansen, Leonard, For.....	Seattle	Hagan, Caroline, Unmat.....	Seattle	Hansen, Ralph B, Engr.....	Seattle	Hagar, Irene, LA.....	Olalla	Hansen, Rita P, LA.....	Vancouver	Hagen, Florence, FA.....	Seattle	Hanson, Elsie L, Bus.....	Seattle	Hagen, Jerry, LA.....	Seattle	Hanson, Harold W, For.....	Enumclaw	Hagerman, Harry Karl, LA.....	Longview	Hanson, Harry A, Fsh.....	Seattle	Hagerty, D W, Bus.....	Browning, Mont	Hanson, Helen, FA.....	Seattle	Hagerty, Jean Mason, LA.....	Seattle	Hanson, May, Bus.....	Puyallup	Haggard, Henry E, Bus.....	Maple Falls	Hanson, Mildred M, Bus.....	Seattle	Haggard, Josephine J, LA.....	Maple Falls	Hanson, O B, Grad.....	Seattle	Hagist, Alfred C, Bus.....	Seattle	Hanson, Paul, FA.....	Ketchikan, Alaska	Haglund, Ivar, Bus.....	Seattle	Harby, Horace, LA.....	Seattle	Hagyard, May R, LA.....	Seattle	Hardy, Martha E, LA.....	Seattle	Hahn, Cathryn L, Jour.....	Skagway, Alaska	Harby, Sam, LA.....	Seattle	Hahn, Genevieve K, Sci.....	Seattle	Harden, Edith M, FA.....	Mt Vernon	Haiman, Lewis, For.....	Lake Bay	Harden, Mabel Z, FA.....	Lyle	Hainer, Bell Gaffner, Engr.....	Seattle	Hardinger, M Annette, Phar.....	Seattle	Haines, Frances, LA.....	Seattle	Harling, Robert, Engr.....	Seattle	Haines, Fred Jr, Bus.....	Seattle	Hartus, Roy Jr, Bus.....	Seattle	Hainsworth, Roderick L, Engr.....	Seattle	Harmon, E Bentley, Bus.....	Seattle	Halbert, T M, LA.....	Seattle	Harms, Wm, LA.....	Seattle	Hale, E W, Bus.....	Bickleton	Harnen, Arthur L, Sci.....	Mt Vernon	Halfhill, Nedra, LA.....	Los Angeles	Harney, Gerald E, Engr.....	Seattle	Hale, Eleanor E, FA.....	Seattle	Harper, H Roland, Phar.....	Seattle	Hale, Grattan, Bus.....	Seattle	Harras, Gus, Bus.....	Walla Walla	Hale, O J, LA.....	Bickleton	Harriman, Harriett, FA.....	Long Beach, Cal	Hale, Warren, Sci.....	Seattle	Harrington, Geraldine, Sci.....	Seattle	Halfhill, Clifford C, Bus.....	Seattle	Harris, Chas H, Bus.....	Seattle	Hall, Annabell, LA.....	Seattle	Harris, David M, Sci.....	Seattle	Hall, Elaine, FA.....	Seattle	Harris, Eleanor, LA.....	Seattle	Hall, Glen, LA.....	Seattle	Harris, Ernest A, For.....	Central Point, Ore	Hall, George Mason, LA.....	Winlock	Harris, Mrs Florence S, Grad.....	Seattle	Hall, John I, Bus.....	Hansville	Harris, Fred O, Grad.....	Seattle	Hall, John W, Engr.....	Everett	Harris, Gertrude, FA.....	Seattle	Hall, Margaret, LA.....	Seattle	Harris, Gordon, Bus.....	Bellevue	Hall, Phyllis, Unmat.....	Snohomish	Harris, Helen L, FA.....	Seattle	Hall, Roxie, Grad.....	Portland, Ore	Harris, Harry H, Engr.....	Seattle	Hall, Ruth V, LA.....	Seattle	Harris, Jean, LA.....	Chehalis	Hall, William R, LA.....	Chinook	Harris, John D, Bus.....	Seattle	Hallett, John L, Engr.....	Seattle	Harris, John F, LA.....	Seattle	Hallstrom, Charles W, LA.....	Seattle	Harris, John H Jr, Bus.....	Seattle	Hallstrom, Irving T, Engr.....	Seattle	Harris, John J, Bus.....	Seattle	Hallum, Jerome, Bus.....	Seattle	Harris, Leland S, Sci.....	Seattle	Haller, Theodore, Engr.....	Seattle	Harris, Peggy Jane, FA.....	Seattle	Haltom, Ramona, LA.....	Tacoma	Harrison, Aldine M, LA.....	Tacoma	Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle
Gustlin, Helen, Bus.....	Monroe	Haner, Victor C, Engr.....	Wickersham	Guthrie, Elton F, LA.....	Seattle	Haney, Wayne, LA.....	Seattle	Guttormsen, George, LA.....	Everett	Hanks, Josephine, FA.....	Seattle	Guy, Albert K, Phar.....	Seattle	Hanley, John J, Grad.....	Seattle	Guyer, Edward C, LA.....	Seattle	Hanley, Robert R, LA.....	Wenatchee	Gwinn, Ernest S, Engr.....	Seattle	Hanley, Myron V, Bus.....	Seattle	Gyde, Sally R, Grad.....	Wallace, Ida	Hanna, J Craig, LA.....	Ontario, Calif			Hannah, Fred P, Phar.....	Friday Harbor			Hannant, Olive M, Grad.....	Seattle	Haase, Albert P, Bus.....	Astoria	Hannum, Clair A, Sci.....	Seattle	Haase, Edna L, Sci.....	Seattle	Hannum, Margaret Lucinda, LA.....	Mabton	Habicht, Helen M, LA.....	Seattle	Hanschel, Violet, FA.....	Seattle	Hack, George P, LA.....	Mercer Island	Hanson, Edith, Sci.....	Olympia	Hackett, Clara A, LA.....	Tacoma	Hanson, Anne R, Bus.....	Seattle	Hackman, Fred Milton, LA.....	Everett	Hanson, O C, Engr.....	Iron Mountain, Minn	Hackney, Devere, Bus.....	Centralia	Hansen, George F, Bus.....	Seattle	Haddock, J Boyd, Bus.....	Earlington	Hansen, Helen A, LA.....	Snohomish	Haddon, Joseph Elbert, Sci.....	Bremerton	Hansen, Inga M, LA.....	Pt Angeles	Hadsell, Robert L, Bus.....	Everett	Hansen, Leonard, For.....	Seattle	Hagan, Caroline, Unmat.....	Seattle	Hansen, Ralph B, Engr.....	Seattle	Hagar, Irene, LA.....	Olalla	Hansen, Rita P, LA.....	Vancouver	Hagen, Florence, FA.....	Seattle	Hanson, Elsie L, Bus.....	Seattle	Hagen, Jerry, LA.....	Seattle	Hanson, Harold W, For.....	Enumclaw	Hagerman, Harry Karl, LA.....	Longview	Hanson, Harry A, Fsh.....	Seattle	Hagerty, D W, Bus.....	Browning, Mont	Hanson, Helen, FA.....	Seattle	Hagerty, Jean Mason, LA.....	Seattle	Hanson, May, Bus.....	Puyallup	Haggard, Henry E, Bus.....	Maple Falls	Hanson, Mildred M, Bus.....	Seattle	Haggard, Josephine J, LA.....	Maple Falls	Hanson, O B, Grad.....	Seattle	Hagist, Alfred C, Bus.....	Seattle	Hanson, Paul, FA.....	Ketchikan, Alaska	Haglund, Ivar, Bus.....	Seattle	Harby, Horace, LA.....	Seattle	Hagyard, May R, LA.....	Seattle	Hardy, Martha E, LA.....	Seattle	Hahn, Cathryn L, Jour.....	Skagway, Alaska	Harby, Sam, LA.....	Seattle	Hahn, Genevieve K, Sci.....	Seattle	Harden, Edith M, FA.....	Mt Vernon	Haiman, Lewis, For.....	Lake Bay	Harden, Mabel Z, FA.....	Lyle	Hainer, Bell Gaffner, Engr.....	Seattle	Hardinger, M Annette, Phar.....	Seattle	Haines, Frances, LA.....	Seattle	Harling, Robert, Engr.....	Seattle	Haines, Fred Jr, Bus.....	Seattle	Hartus, Roy Jr, Bus.....	Seattle	Hainsworth, Roderick L, Engr.....	Seattle	Harmon, E Bentley, Bus.....	Seattle	Halbert, T M, LA.....	Seattle	Harms, Wm, LA.....	Seattle	Hale, E W, Bus.....	Bickleton	Harnen, Arthur L, Sci.....	Mt Vernon	Halfhill, Nedra, LA.....	Los Angeles	Harney, Gerald E, Engr.....	Seattle	Hale, Eleanor E, FA.....	Seattle	Harper, H Roland, Phar.....	Seattle	Hale, Grattan, Bus.....	Seattle	Harras, Gus, Bus.....	Walla Walla	Hale, O J, LA.....	Bickleton	Harriman, Harriett, FA.....	Long Beach, Cal	Hale, Warren, Sci.....	Seattle	Harrington, Geraldine, Sci.....	Seattle	Halfhill, Clifford C, Bus.....	Seattle	Harris, Chas H, Bus.....	Seattle	Hall, Annabell, LA.....	Seattle	Harris, David M, Sci.....	Seattle	Hall, Elaine, FA.....	Seattle	Harris, Eleanor, LA.....	Seattle	Hall, Glen, LA.....	Seattle	Harris, Ernest A, For.....	Central Point, Ore	Hall, George Mason, LA.....	Winlock	Harris, Mrs Florence S, Grad.....	Seattle	Hall, John I, Bus.....	Hansville	Harris, Fred O, Grad.....	Seattle	Hall, John W, Engr.....	Everett	Harris, Gertrude, FA.....	Seattle	Hall, Margaret, LA.....	Seattle	Harris, Gordon, Bus.....	Bellevue	Hall, Phyllis, Unmat.....	Snohomish	Harris, Helen L, FA.....	Seattle	Hall, Roxie, Grad.....	Portland, Ore	Harris, Harry H, Engr.....	Seattle	Hall, Ruth V, LA.....	Seattle	Harris, Jean, LA.....	Chehalis	Hall, William R, LA.....	Chinook	Harris, John D, Bus.....	Seattle	Hallett, John L, Engr.....	Seattle	Harris, John F, LA.....	Seattle	Hallstrom, Charles W, LA.....	Seattle	Harris, John H Jr, Bus.....	Seattle	Hallstrom, Irving T, Engr.....	Seattle	Harris, John J, Bus.....	Seattle	Hallum, Jerome, Bus.....	Seattle	Harris, Leland S, Sci.....	Seattle	Haller, Theodore, Engr.....	Seattle	Harris, Peggy Jane, FA.....	Seattle	Haltom, Ramona, LA.....	Tacoma	Harrison, Aldine M, LA.....	Tacoma	Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle				
Guthrie, Elton F, LA.....	Seattle	Haney, Wayne, LA.....	Seattle	Guttormsen, George, LA.....	Everett	Hanks, Josephine, FA.....	Seattle	Guy, Albert K, Phar.....	Seattle	Hanley, John J, Grad.....	Seattle	Guyer, Edward C, LA.....	Seattle	Hanley, Robert R, LA.....	Wenatchee	Gwinn, Ernest S, Engr.....	Seattle	Hanley, Myron V, Bus.....	Seattle	Gyde, Sally R, Grad.....	Wallace, Ida	Hanna, J Craig, LA.....	Ontario, Calif			Hannah, Fred P, Phar.....	Friday Harbor			Hannant, Olive M, Grad.....	Seattle	Haase, Albert P, Bus.....	Astoria	Hannum, Clair A, Sci.....	Seattle	Haase, Edna L, Sci.....	Seattle	Hannum, Margaret Lucinda, LA.....	Mabton	Habicht, Helen M, LA.....	Seattle	Hanschel, Violet, FA.....	Seattle	Hack, George P, LA.....	Mercer Island	Hanson, Edith, Sci.....	Olympia	Hackett, Clara A, LA.....	Tacoma	Hanson, Anne R, Bus.....	Seattle	Hackman, Fred Milton, LA.....	Everett	Hanson, O C, Engr.....	Iron Mountain, Minn	Hackney, Devere, Bus.....	Centralia	Hansen, George F, Bus.....	Seattle	Haddock, J Boyd, Bus.....	Earlington	Hansen, Helen A, LA.....	Snohomish	Haddon, Joseph Elbert, Sci.....	Bremerton	Hansen, Inga M, LA.....	Pt Angeles	Hadsell, Robert L, Bus.....	Everett	Hansen, Leonard, For.....	Seattle	Hagan, Caroline, Unmat.....	Seattle	Hansen, Ralph B, Engr.....	Seattle	Hagar, Irene, LA.....	Olalla	Hansen, Rita P, LA.....	Vancouver	Hagen, Florence, FA.....	Seattle	Hanson, Elsie L, Bus.....	Seattle	Hagen, Jerry, LA.....	Seattle	Hanson, Harold W, For.....	Enumclaw	Hagerman, Harry Karl, LA.....	Longview	Hanson, Harry A, Fsh.....	Seattle	Hagerty, D W, Bus.....	Browning, Mont	Hanson, Helen, FA.....	Seattle	Hagerty, Jean Mason, LA.....	Seattle	Hanson, May, Bus.....	Puyallup	Haggard, Henry E, Bus.....	Maple Falls	Hanson, Mildred M, Bus.....	Seattle	Haggard, Josephine J, LA.....	Maple Falls	Hanson, O B, Grad.....	Seattle	Hagist, Alfred C, Bus.....	Seattle	Hanson, Paul, FA.....	Ketchikan, Alaska	Haglund, Ivar, Bus.....	Seattle	Harby, Horace, LA.....	Seattle	Hagyard, May R, LA.....	Seattle	Hardy, Martha E, LA.....	Seattle	Hahn, Cathryn L, Jour.....	Skagway, Alaska	Harby, Sam, LA.....	Seattle	Hahn, Genevieve K, Sci.....	Seattle	Harden, Edith M, FA.....	Mt Vernon	Haiman, Lewis, For.....	Lake Bay	Harden, Mabel Z, FA.....	Lyle	Hainer, Bell Gaffner, Engr.....	Seattle	Hardinger, M Annette, Phar.....	Seattle	Haines, Frances, LA.....	Seattle	Harling, Robert, Engr.....	Seattle	Haines, Fred Jr, Bus.....	Seattle	Hartus, Roy Jr, Bus.....	Seattle	Hainsworth, Roderick L, Engr.....	Seattle	Harmon, E Bentley, Bus.....	Seattle	Halbert, T M, LA.....	Seattle	Harms, Wm, LA.....	Seattle	Hale, E W, Bus.....	Bickleton	Harnen, Arthur L, Sci.....	Mt Vernon	Halfhill, Nedra, LA.....	Los Angeles	Harney, Gerald E, Engr.....	Seattle	Hale, Eleanor E, FA.....	Seattle	Harper, H Roland, Phar.....	Seattle	Hale, Grattan, Bus.....	Seattle	Harras, Gus, Bus.....	Walla Walla	Hale, O J, LA.....	Bickleton	Harriman, Harriett, FA.....	Long Beach, Cal	Hale, Warren, Sci.....	Seattle	Harrington, Geraldine, Sci.....	Seattle	Halfhill, Clifford C, Bus.....	Seattle	Harris, Chas H, Bus.....	Seattle	Hall, Annabell, LA.....	Seattle	Harris, David M, Sci.....	Seattle	Hall, Elaine, FA.....	Seattle	Harris, Eleanor, LA.....	Seattle	Hall, Glen, LA.....	Seattle	Harris, Ernest A, For.....	Central Point, Ore	Hall, George Mason, LA.....	Winlock	Harris, Mrs Florence S, Grad.....	Seattle	Hall, John I, Bus.....	Hansville	Harris, Fred O, Grad.....	Seattle	Hall, John W, Engr.....	Everett	Harris, Gertrude, FA.....	Seattle	Hall, Margaret, LA.....	Seattle	Harris, Gordon, Bus.....	Bellevue	Hall, Phyllis, Unmat.....	Snohomish	Harris, Helen L, FA.....	Seattle	Hall, Roxie, Grad.....	Portland, Ore	Harris, Harry H, Engr.....	Seattle	Hall, Ruth V, LA.....	Seattle	Harris, Jean, LA.....	Chehalis	Hall, William R, LA.....	Chinook	Harris, John D, Bus.....	Seattle	Hallett, John L, Engr.....	Seattle	Harris, John F, LA.....	Seattle	Hallstrom, Charles W, LA.....	Seattle	Harris, John H Jr, Bus.....	Seattle	Hallstrom, Irving T, Engr.....	Seattle	Harris, John J, Bus.....	Seattle	Hallum, Jerome, Bus.....	Seattle	Harris, Leland S, Sci.....	Seattle	Haller, Theodore, Engr.....	Seattle	Harris, Peggy Jane, FA.....	Seattle	Haltom, Ramona, LA.....	Tacoma	Harrison, Aldine M, LA.....	Tacoma	Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle								
Guttormsen, George, LA.....	Everett	Hanks, Josephine, FA.....	Seattle	Guy, Albert K, Phar.....	Seattle	Hanley, John J, Grad.....	Seattle	Guyer, Edward C, LA.....	Seattle	Hanley, Robert R, LA.....	Wenatchee	Gwinn, Ernest S, Engr.....	Seattle	Hanley, Myron V, Bus.....	Seattle	Gyde, Sally R, Grad.....	Wallace, Ida	Hanna, J Craig, LA.....	Ontario, Calif			Hannah, Fred P, Phar.....	Friday Harbor			Hannant, Olive M, Grad.....	Seattle	Haase, Albert P, Bus.....	Astoria	Hannum, Clair A, Sci.....	Seattle	Haase, Edna L, Sci.....	Seattle	Hannum, Margaret Lucinda, LA.....	Mabton	Habicht, Helen M, LA.....	Seattle	Hanschel, Violet, FA.....	Seattle	Hack, George P, LA.....	Mercer Island	Hanson, Edith, Sci.....	Olympia	Hackett, Clara A, LA.....	Tacoma	Hanson, Anne R, Bus.....	Seattle	Hackman, Fred Milton, LA.....	Everett	Hanson, O C, Engr.....	Iron Mountain, Minn	Hackney, Devere, Bus.....	Centralia	Hansen, George F, Bus.....	Seattle	Haddock, J Boyd, Bus.....	Earlington	Hansen, Helen A, LA.....	Snohomish	Haddon, Joseph Elbert, Sci.....	Bremerton	Hansen, Inga M, LA.....	Pt Angeles	Hadsell, Robert L, Bus.....	Everett	Hansen, Leonard, For.....	Seattle	Hagan, Caroline, Unmat.....	Seattle	Hansen, Ralph B, Engr.....	Seattle	Hagar, Irene, LA.....	Olalla	Hansen, Rita P, LA.....	Vancouver	Hagen, Florence, FA.....	Seattle	Hanson, Elsie L, Bus.....	Seattle	Hagen, Jerry, LA.....	Seattle	Hanson, Harold W, For.....	Enumclaw	Hagerman, Harry Karl, LA.....	Longview	Hanson, Harry A, Fsh.....	Seattle	Hagerty, D W, Bus.....	Browning, Mont	Hanson, Helen, FA.....	Seattle	Hagerty, Jean Mason, LA.....	Seattle	Hanson, May, Bus.....	Puyallup	Haggard, Henry E, Bus.....	Maple Falls	Hanson, Mildred M, Bus.....	Seattle	Haggard, Josephine J, LA.....	Maple Falls	Hanson, O B, Grad.....	Seattle	Hagist, Alfred C, Bus.....	Seattle	Hanson, Paul, FA.....	Ketchikan, Alaska	Haglund, Ivar, Bus.....	Seattle	Harby, Horace, LA.....	Seattle	Hagyard, May R, LA.....	Seattle	Hardy, Martha E, LA.....	Seattle	Hahn, Cathryn L, Jour.....	Skagway, Alaska	Harby, Sam, LA.....	Seattle	Hahn, Genevieve K, Sci.....	Seattle	Harden, Edith M, FA.....	Mt Vernon	Haiman, Lewis, For.....	Lake Bay	Harden, Mabel Z, FA.....	Lyle	Hainer, Bell Gaffner, Engr.....	Seattle	Hardinger, M Annette, Phar.....	Seattle	Haines, Frances, LA.....	Seattle	Harling, Robert, Engr.....	Seattle	Haines, Fred Jr, Bus.....	Seattle	Hartus, Roy Jr, Bus.....	Seattle	Hainsworth, Roderick L, Engr.....	Seattle	Harmon, E Bentley, Bus.....	Seattle	Halbert, T M, LA.....	Seattle	Harms, Wm, LA.....	Seattle	Hale, E W, Bus.....	Bickleton	Harnen, Arthur L, Sci.....	Mt Vernon	Halfhill, Nedra, LA.....	Los Angeles	Harney, Gerald E, Engr.....	Seattle	Hale, Eleanor E, FA.....	Seattle	Harper, H Roland, Phar.....	Seattle	Hale, Grattan, Bus.....	Seattle	Harras, Gus, Bus.....	Walla Walla	Hale, O J, LA.....	Bickleton	Harriman, Harriett, FA.....	Long Beach, Cal	Hale, Warren, Sci.....	Seattle	Harrington, Geraldine, Sci.....	Seattle	Halfhill, Clifford C, Bus.....	Seattle	Harris, Chas H, Bus.....	Seattle	Hall, Annabell, LA.....	Seattle	Harris, David M, Sci.....	Seattle	Hall, Elaine, FA.....	Seattle	Harris, Eleanor, LA.....	Seattle	Hall, Glen, LA.....	Seattle	Harris, Ernest A, For.....	Central Point, Ore	Hall, George Mason, LA.....	Winlock	Harris, Mrs Florence S, Grad.....	Seattle	Hall, John I, Bus.....	Hansville	Harris, Fred O, Grad.....	Seattle	Hall, John W, Engr.....	Everett	Harris, Gertrude, FA.....	Seattle	Hall, Margaret, LA.....	Seattle	Harris, Gordon, Bus.....	Bellevue	Hall, Phyllis, Unmat.....	Snohomish	Harris, Helen L, FA.....	Seattle	Hall, Roxie, Grad.....	Portland, Ore	Harris, Harry H, Engr.....	Seattle	Hall, Ruth V, LA.....	Seattle	Harris, Jean, LA.....	Chehalis	Hall, William R, LA.....	Chinook	Harris, John D, Bus.....	Seattle	Hallett, John L, Engr.....	Seattle	Harris, John F, LA.....	Seattle	Hallstrom, Charles W, LA.....	Seattle	Harris, John H Jr, Bus.....	Seattle	Hallstrom, Irving T, Engr.....	Seattle	Harris, John J, Bus.....	Seattle	Hallum, Jerome, Bus.....	Seattle	Harris, Leland S, Sci.....	Seattle	Haller, Theodore, Engr.....	Seattle	Harris, Peggy Jane, FA.....	Seattle	Haltom, Ramona, LA.....	Tacoma	Harrison, Aldine M, LA.....	Tacoma	Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle												
Guy, Albert K, Phar.....	Seattle	Hanley, John J, Grad.....	Seattle	Guyer, Edward C, LA.....	Seattle	Hanley, Robert R, LA.....	Wenatchee	Gwinn, Ernest S, Engr.....	Seattle	Hanley, Myron V, Bus.....	Seattle	Gyde, Sally R, Grad.....	Wallace, Ida	Hanna, J Craig, LA.....	Ontario, Calif			Hannah, Fred P, Phar.....	Friday Harbor			Hannant, Olive M, Grad.....	Seattle	Haase, Albert P, Bus.....	Astoria	Hannum, Clair A, Sci.....	Seattle	Haase, Edna L, Sci.....	Seattle	Hannum, Margaret Lucinda, LA.....	Mabton	Habicht, Helen M, LA.....	Seattle	Hanschel, Violet, FA.....	Seattle	Hack, George P, LA.....	Mercer Island	Hanson, Edith, Sci.....	Olympia	Hackett, Clara A, LA.....	Tacoma	Hanson, Anne R, Bus.....	Seattle	Hackman, Fred Milton, LA.....	Everett	Hanson, O C, Engr.....	Iron Mountain, Minn	Hackney, Devere, Bus.....	Centralia	Hansen, George F, Bus.....	Seattle	Haddock, J Boyd, Bus.....	Earlington	Hansen, Helen A, LA.....	Snohomish	Haddon, Joseph Elbert, Sci.....	Bremerton	Hansen, Inga M, LA.....	Pt Angeles	Hadsell, Robert L, Bus.....	Everett	Hansen, Leonard, For.....	Seattle	Hagan, Caroline, Unmat.....	Seattle	Hansen, Ralph B, Engr.....	Seattle	Hagar, Irene, LA.....	Olalla	Hansen, Rita P, LA.....	Vancouver	Hagen, Florence, FA.....	Seattle	Hanson, Elsie L, Bus.....	Seattle	Hagen, Jerry, LA.....	Seattle	Hanson, Harold W, For.....	Enumclaw	Hagerman, Harry Karl, LA.....	Longview	Hanson, Harry A, Fsh.....	Seattle	Hagerty, D W, Bus.....	Browning, Mont	Hanson, Helen, FA.....	Seattle	Hagerty, Jean Mason, LA.....	Seattle	Hanson, May, Bus.....	Puyallup	Haggard, Henry E, Bus.....	Maple Falls	Hanson, Mildred M, Bus.....	Seattle	Haggard, Josephine J, LA.....	Maple Falls	Hanson, O B, Grad.....	Seattle	Hagist, Alfred C, Bus.....	Seattle	Hanson, Paul, FA.....	Ketchikan, Alaska	Haglund, Ivar, Bus.....	Seattle	Harby, Horace, LA.....	Seattle	Hagyard, May R, LA.....	Seattle	Hardy, Martha E, LA.....	Seattle	Hahn, Cathryn L, Jour.....	Skagway, Alaska	Harby, Sam, LA.....	Seattle	Hahn, Genevieve K, Sci.....	Seattle	Harden, Edith M, FA.....	Mt Vernon	Haiman, Lewis, For.....	Lake Bay	Harden, Mabel Z, FA.....	Lyle	Hainer, Bell Gaffner, Engr.....	Seattle	Hardinger, M Annette, Phar.....	Seattle	Haines, Frances, LA.....	Seattle	Harling, Robert, Engr.....	Seattle	Haines, Fred Jr, Bus.....	Seattle	Hartus, Roy Jr, Bus.....	Seattle	Hainsworth, Roderick L, Engr.....	Seattle	Harmon, E Bentley, Bus.....	Seattle	Halbert, T M, LA.....	Seattle	Harms, Wm, LA.....	Seattle	Hale, E W, Bus.....	Bickleton	Harnen, Arthur L, Sci.....	Mt Vernon	Halfhill, Nedra, LA.....	Los Angeles	Harney, Gerald E, Engr.....	Seattle	Hale, Eleanor E, FA.....	Seattle	Harper, H Roland, Phar.....	Seattle	Hale, Grattan, Bus.....	Seattle	Harras, Gus, Bus.....	Walla Walla	Hale, O J, LA.....	Bickleton	Harriman, Harriett, FA.....	Long Beach, Cal	Hale, Warren, Sci.....	Seattle	Harrington, Geraldine, Sci.....	Seattle	Halfhill, Clifford C, Bus.....	Seattle	Harris, Chas H, Bus.....	Seattle	Hall, Annabell, LA.....	Seattle	Harris, David M, Sci.....	Seattle	Hall, Elaine, FA.....	Seattle	Harris, Eleanor, LA.....	Seattle	Hall, Glen, LA.....	Seattle	Harris, Ernest A, For.....	Central Point, Ore	Hall, George Mason, LA.....	Winlock	Harris, Mrs Florence S, Grad.....	Seattle	Hall, John I, Bus.....	Hansville	Harris, Fred O, Grad.....	Seattle	Hall, John W, Engr.....	Everett	Harris, Gertrude, FA.....	Seattle	Hall, Margaret, LA.....	Seattle	Harris, Gordon, Bus.....	Bellevue	Hall, Phyllis, Unmat.....	Snohomish	Harris, Helen L, FA.....	Seattle	Hall, Roxie, Grad.....	Portland, Ore	Harris, Harry H, Engr.....	Seattle	Hall, Ruth V, LA.....	Seattle	Harris, Jean, LA.....	Chehalis	Hall, William R, LA.....	Chinook	Harris, John D, Bus.....	Seattle	Hallett, John L, Engr.....	Seattle	Harris, John F, LA.....	Seattle	Hallstrom, Charles W, LA.....	Seattle	Harris, John H Jr, Bus.....	Seattle	Hallstrom, Irving T, Engr.....	Seattle	Harris, John J, Bus.....	Seattle	Hallum, Jerome, Bus.....	Seattle	Harris, Leland S, Sci.....	Seattle	Haller, Theodore, Engr.....	Seattle	Harris, Peggy Jane, FA.....	Seattle	Haltom, Ramona, LA.....	Tacoma	Harrison, Aldine M, LA.....	Tacoma	Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle																
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Everett	Hansen, Leonard, For.....	Seattle	Hagan, Caroline, Unmat.....	Seattle	Hansen, Ralph B, Engr.....	Seattle	Hagar, Irene, LA.....	Olalla	Hansen, Rita P, LA.....	Vancouver	Hagen, Florence, FA.....	Seattle	Hanson, Elsie L, Bus.....	Seattle	Hagen, Jerry, LA.....	Seattle	Hanson, Harold W, For.....	Enumclaw	Hagerman, Harry Karl, LA.....	Longview	Hanson, Harry A, Fsh.....	Seattle	Hagerty, D W, Bus.....	Browning, Mont	Hanson, Helen, FA.....	Seattle	Hagerty, Jean Mason, LA.....	Seattle	Hanson, May, Bus.....	Puyallup	Haggard, Henry E, Bus.....	Maple Falls	Hanson, Mildred M, Bus.....	Seattle	Haggard, Josephine J, LA.....	Maple Falls	Hanson, O B, Grad.....	Seattle	Hagist, Alfred C, Bus.....	Seattle	Hanson, Paul, FA.....	Ketchikan, Alaska	Haglund, Ivar, Bus.....	Seattle	Harby, Horace, LA.....	Seattle	Hagyard, May R, LA.....	Seattle	Hardy, Martha E, LA.....	Seattle	Hahn, Cathryn L, Jour.....	Skagway, Alaska	Harby, Sam, LA.....	Seattle	Hahn, Genevieve K, Sci.....	Seattle	Harden, Edith M, FA.....	Mt Vernon	Haiman, Lewis, For.....	Lake Bay	Harden, Mabel Z, FA.....	Lyle	Hainer, Bell Gaffner, Engr.....	Seattle	Hardinger, M Annette, Phar.....	Seattle	Haines, Frances, LA.....	Seattle	Harling, Robert, Engr.....	Seattle	Haines, Fred Jr, Bus.....	Seattle	Hartus, Roy Jr, Bus.....	Seattle	Hainsworth, Roderick L, Engr.....	Seattle	Harmon, E Bentley, Bus.....	Seattle	Halbert, T M, LA.....	Seattle	Harms, Wm, LA.....	Seattle	Hale, E W, Bus.....	Bickleton	Harnen, Arthur L, Sci.....	Mt Vernon	Halfhill, Nedra, LA.....	Los Angeles	Harney, Gerald E, Engr.....	Seattle	Hale, Eleanor E, FA.....	Seattle	Harper, H Roland, Phar.....	Seattle	Hale, Grattan, Bus.....	Seattle	Harras, Gus, Bus.....	Walla Walla	Hale, O J, LA.....	Bickleton	Harriman, Harriett, FA.....	Long Beach, Cal	Hale, Warren, Sci.....	Seattle	Harrington, Geraldine, Sci.....	Seattle	Halfhill, Clifford C, Bus.....	Seattle	Harris, Chas H, Bus.....	Seattle	Hall, Annabell, LA.....	Seattle	Harris, David M, Sci.....	Seattle	Hall, Elaine, FA.....	Seattle	Harris, Eleanor, LA.....	Seattle	Hall, Glen, LA.....	Seattle	Harris, Ernest A, For.....	Central Point, Ore	Hall, George Mason, LA.....	Winlock	Harris, Mrs Florence S, Grad.....	Seattle	Hall, John I, Bus.....	Hansville	Harris, Fred O, Grad.....	Seattle	Hall, John W, Engr.....	Everett	Harris, Gertrude, FA.....	Seattle	Hall, Margaret, LA.....	Seattle	Harris, Gordon, Bus.....	Bellevue	Hall, Phyllis, Unmat.....	Snohomish	Harris, Helen L, FA.....	Seattle	Hall, Roxie, Grad.....	Portland, Ore	Harris, Harry H, Engr.....	Seattle	Hall, Ruth V, LA.....	Seattle	Harris, Jean, LA.....	Chehalis	Hall, William R, LA.....	Chinook	Harris, John D, Bus.....	Seattle	Hallett, John L, Engr.....	Seattle	Harris, John F, LA.....	Seattle	Hallstrom, Charles W, LA.....	Seattle	Harris, John H Jr, Bus.....	Seattle	Hallstrom, Irving T, Engr.....	Seattle	Harris, John J, Bus.....	Seattle	Hallum, Jerome, Bus.....	Seattle	Harris, Leland S, Sci.....	Seattle	Haller, Theodore, Engr.....	Seattle	Harris, Peggy Jane, FA.....	Seattle	Haltom, Ramona, LA.....	Tacoma	Harrison, Aldine M, LA.....	Tacoma	Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle																				
Gwinn, Ernest S, Engr.....	Seattle	Hanley, Myron V, Bus.....	Seattle	Gyde, Sally R, Grad.....	Wallace, Ida	Hanna, J Craig, LA.....	Ontario, Calif			Hannah, Fred P, Phar.....	Friday Harbor			Hannant, Olive M, Grad.....	Seattle	Haase, Albert P, Bus.....	Astoria	Hannum, Clair A, Sci.....	Seattle	Haase, Edna L, Sci.....	Seattle	Hannum, Margaret Lucinda, LA.....	Mabton	Habicht, Helen M, LA.....	Seattle	Hanschel, Violet, FA.....	Seattle	Hack, George P, LA.....	Mercer Island	Hanson, Edith, Sci.....	Olympia	Hackett, Clara A, LA.....	Tacoma	Hanson, Anne R, Bus.....	Seattle	Hackman, Fred Milton, LA.....	Everett	Hanson, O C, Engr.....	Iron Mountain, Minn	Hackney, Devere, Bus.....	Centralia	Hansen, George F, Bus.....	Seattle	Haddock, J Boyd, Bus.....	Earlington	Hansen, Helen A, LA.....	Snohomish	Haddon, Joseph Elbert, Sci.....	Bremerton	Hansen, Inga M, LA.....	Pt Angeles	Hadsell, Robert L, Bus.....	Everett	Hansen, Leonard, For.....	Seattle	Hagan, Caroline, Unmat.....	Seattle	Hansen, Ralph B, Engr.....	Seattle	Hagar, Irene, LA.....	Olalla	Hansen, Rita P, LA.....	Vancouver	Hagen, Florence, FA.....	Seattle	Hanson, Elsie L, Bus.....	Seattle	Hagen, Jerry, LA.....	Seattle	Hanson, Harold W, For.....	Enumclaw	Hagerman, Harry Karl, LA.....	Longview	Hanson, Harry A, Fsh.....	Seattle	Hagerty, D W, Bus.....	Browning, Mont	Hanson, Helen, FA.....	Seattle	Hagerty, Jean Mason, LA.....	Seattle	Hanson, May, Bus.....	Puyallup	Haggard, Henry E, Bus.....	Maple Falls	Hanson, Mildred M, Bus.....	Seattle	Haggard, Josephine J, LA.....	Maple Falls	Hanson, O B, Grad.....	Seattle	Hagist, Alfred C, Bus.....	Seattle	Hanson, Paul, FA.....	Ketchikan, Alaska	Haglund, Ivar, Bus.....	Seattle	Harby, Horace, LA.....	Seattle	Hagyard, May R, LA.....	Seattle	Hardy, Martha E, LA.....	Seattle	Hahn, Cathryn L, Jour.....	Skagway, Alaska	Harby, Sam, LA.....	Seattle	Hahn, Genevieve K, Sci.....	Seattle	Harden, Edith M, FA.....	Mt Vernon	Haiman, Lewis, For.....	Lake Bay	Harden, Mabel Z, FA.....	Lyle	Hainer, Bell Gaffner, Engr.....	Seattle	Hardinger, M Annette, Phar.....	Seattle	Haines, Frances, LA.....	Seattle	Harling, Robert, Engr.....	Seattle	Haines, Fred Jr, Bus.....	Seattle	Hartus, Roy Jr, Bus.....	Seattle	Hainsworth, Roderick L, Engr.....	Seattle	Harmon, E Bentley, Bus.....	Seattle	Halbert, T M, LA.....	Seattle	Harms, Wm, LA.....	Seattle	Hale, E W, Bus.....	Bickleton	Harnen, Arthur L, Sci.....	Mt Vernon	Halfhill, Nedra, LA.....	Los Angeles	Harney, Gerald E, Engr.....	Seattle	Hale, Eleanor E, FA.....	Seattle	Harper, H Roland, Phar.....	Seattle	Hale, Grattan, Bus.....	Seattle	Harras, Gus, Bus.....	Walla Walla	Hale, O J, LA.....	Bickleton	Harriman, Harriett, FA.....	Long Beach, Cal	Hale, Warren, Sci.....	Seattle	Harrington, Geraldine, Sci.....	Seattle	Halfhill, Clifford C, Bus.....	Seattle	Harris, Chas H, Bus.....	Seattle	Hall, Annabell, LA.....	Seattle	Harris, David M, Sci.....	Seattle	Hall, Elaine, FA.....	Seattle	Harris, Eleanor, LA.....	Seattle	Hall, Glen, LA.....	Seattle	Harris, Ernest A, For.....	Central Point, Ore	Hall, George Mason, LA.....	Winlock	Harris, Mrs Florence S, Grad.....	Seattle	Hall, John I, Bus.....	Hansville	Harris, Fred O, Grad.....	Seattle	Hall, John W, Engr.....	Everett	Harris, Gertrude, FA.....	Seattle	Hall, Margaret, LA.....	Seattle	Harris, Gordon, Bus.....	Bellevue	Hall, Phyllis, Unmat.....	Snohomish	Harris, Helen L, FA.....	Seattle	Hall, Roxie, Grad.....	Portland, Ore	Harris, Harry H, Engr.....	Seattle	Hall, Ruth V, LA.....	Seattle	Harris, Jean, LA.....	Chehalis	Hall, William R, LA.....	Chinook	Harris, John D, Bus.....	Seattle	Hallett, John L, Engr.....	Seattle	Harris, John F, LA.....	Seattle	Hallstrom, Charles W, LA.....	Seattle	Harris, John H Jr, Bus.....	Seattle	Hallstrom, Irving T, Engr.....	Seattle	Harris, John J, Bus.....	Seattle	Hallum, Jerome, Bus.....	Seattle	Harris, Leland S, Sci.....	Seattle	Haller, Theodore, Engr.....	Seattle	Harris, Peggy Jane, FA.....	Seattle	Haltom, Ramona, LA.....	Tacoma	Harrison, Aldine M, LA.....	Tacoma	Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle																								
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		Hannah, Fred P, Phar.....	Friday Harbor			Hannant, Olive M, Grad.....	Seattle	Haase, Albert P, Bus.....	Astoria	Hannum, Clair A, Sci.....	Seattle	Haase, Edna L, Sci.....	Seattle	Hannum, Margaret Lucinda, LA.....	Mabton	Habicht, Helen M, LA.....	Seattle	Hanschel, Violet, FA.....	Seattle	Hack, George P, LA.....	Mercer Island	Hanson, Edith, Sci.....	Olympia	Hackett, Clara A, LA.....	Tacoma	Hanson, Anne R, Bus.....	Seattle	Hackman, Fred Milton, LA.....	Everett	Hanson, O C, Engr.....	Iron Mountain, Minn	Hackney, Devere, Bus.....	Centralia	Hansen, George F, Bus.....	Seattle	Haddock, J Boyd, Bus.....	Earlington	Hansen, Helen A, LA.....	Snohomish	Haddon, Joseph Elbert, Sci.....	Bremerton	Hansen, Inga M, LA.....	Pt Angeles	Hadsell, Robert L, Bus.....	Everett	Hansen, Leonard, For.....	Seattle	Hagan, Caroline, Unmat.....	Seattle	Hansen, Ralph B, Engr.....	Seattle	Hagar, Irene, LA.....	Olalla	Hansen, Rita P, LA.....	Vancouver	Hagen, Florence, FA.....	Seattle	Hanson, Elsie L, Bus.....	Seattle	Hagen, Jerry, LA.....	Seattle	Hanson, Harold W, For.....	Enumclaw	Hagerman, Harry Karl, LA.....	Longview	Hanson, Harry A, Fsh.....	Seattle	Hagerty, D W, Bus.....	Browning, Mont	Hanson, Helen, FA.....	Seattle	Hagerty, Jean Mason, LA.....	Seattle	Hanson, May, Bus.....	Puyallup	Haggard, Henry E, Bus.....	Maple Falls	Hanson, Mildred M, Bus.....	Seattle	Haggard, Josephine J, LA.....	Maple Falls	Hanson, O B, Grad.....	Seattle	Hagist, Alfred C, Bus.....	Seattle	Hanson, Paul, FA.....	Ketchikan, Alaska	Haglund, Ivar, Bus.....	Seattle	Harby, Horace, LA.....	Seattle	Hagyard, May R, LA.....	Seattle	Hardy, Martha E, LA.....	Seattle	Hahn, Cathryn L, Jour.....	Skagway, Alaska	Harby, Sam, LA.....	Seattle	Hahn, Genevieve K, Sci.....	Seattle	Harden, Edith M, FA.....	Mt Vernon	Haiman, Lewis, For.....	Lake Bay	Harden, Mabel Z, FA.....	Lyle	Hainer, Bell Gaffner, Engr.....	Seattle	Hardinger, M Annette, Phar.....	Seattle	Haines, Frances, LA.....	Seattle	Harling, Robert, Engr.....	Seattle	Haines, Fred Jr, Bus.....	Seattle	Hartus, Roy Jr, Bus.....	Seattle	Hainsworth, Roderick L, Engr.....	Seattle	Harmon, E Bentley, Bus.....	Seattle	Halbert, T M, LA.....	Seattle	Harms, Wm, LA.....	Seattle	Hale, E W, Bus.....	Bickleton	Harnen, Arthur L, Sci.....	Mt Vernon	Halfhill, Nedra, LA.....	Los Angeles	Harney, Gerald E, Engr.....	Seattle	Hale, Eleanor E, FA.....	Seattle	Harper, H Roland, Phar.....	Seattle	Hale, Grattan, Bus.....	Seattle	Harras, Gus, Bus.....	Walla Walla	Hale, O J, LA.....	Bickleton	Harriman, Harriett, FA.....	Long Beach, Cal	Hale, Warren, Sci.....	Seattle	Harrington, Geraldine, Sci.....	Seattle	Halfhill, Clifford C, Bus.....	Seattle	Harris, Chas H, Bus.....	Seattle	Hall, Annabell, LA.....	Seattle	Harris, David M, Sci.....	Seattle	Hall, Elaine, FA.....	Seattle	Harris, Eleanor, LA.....	Seattle	Hall, Glen, LA.....	Seattle	Harris, Ernest A, For.....	Central Point, Ore	Hall, George Mason, LA.....	Winlock	Harris, Mrs Florence S, Grad.....	Seattle	Hall, John I, Bus.....	Hansville	Harris, Fred O, Grad.....	Seattle	Hall, John W, Engr.....	Everett	Harris, Gertrude, FA.....	Seattle	Hall, Margaret, LA.....	Seattle	Harris, Gordon, Bus.....	Bellevue	Hall, Phyllis, Unmat.....	Snohomish	Harris, Helen L, FA.....	Seattle	Hall, Roxie, Grad.....	Portland, Ore	Harris, Harry H, Engr.....	Seattle	Hall, Ruth V, LA.....	Seattle	Harris, Jean, LA.....	Chehalis	Hall, William R, LA.....	Chinook	Harris, John D, Bus.....	Seattle	Hallett, John L, Engr.....	Seattle	Harris, John F, LA.....	Seattle	Hallstrom, Charles W, LA.....	Seattle	Harris, John H Jr, Bus.....	Seattle	Hallstrom, Irving T, Engr.....	Seattle	Harris, John J, Bus.....	Seattle	Hallum, Jerome, Bus.....	Seattle	Harris, Leland S, Sci.....	Seattle	Haller, Theodore, Engr.....	Seattle	Harris, Peggy Jane, FA.....	Seattle	Haltom, Ramona, LA.....	Tacoma	Harrison, Aldine M, LA.....	Tacoma	Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle																																
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Haase, Albert P, Bus.....	Astoria	Hannum, Clair A, Sci.....	Seattle	Haase, Edna L, Sci.....	Seattle	Hannum, Margaret Lucinda, LA.....	Mabton	Habicht, Helen M, LA.....	Seattle	Hanschel, Violet, FA.....	Seattle	Hack, George P, LA.....	Mercer Island	Hanson, Edith, Sci.....	Olympia	Hackett, Clara A, LA.....	Tacoma	Hanson, Anne R, Bus.....	Seattle	Hackman, Fred Milton, LA.....	Everett	Hanson, O C, Engr.....	Iron Mountain, Minn	Hackney, Devere, Bus.....	Centralia	Hansen, George F, Bus.....	Seattle	Haddock, J Boyd, Bus.....	Earlington	Hansen, Helen A, LA.....	Snohomish	Haddon, Joseph Elbert, Sci.....	Bremerton	Hansen, Inga M, LA.....	Pt Angeles	Hadsell, Robert L, Bus.....	Everett	Hansen, Leonard, For.....	Seattle	Hagan, Caroline, Unmat.....	Seattle	Hansen, Ralph B, Engr.....	Seattle	Hagar, Irene, LA.....	Olalla	Hansen, Rita P, LA.....	Vancouver	Hagen, Florence, FA.....	Seattle	Hanson, Elsie L, Bus.....	Seattle	Hagen, Jerry, LA.....	Seattle	Hanson, Harold W, For.....	Enumclaw	Hagerman, Harry Karl, LA.....	Longview	Hanson, Harry A, Fsh.....	Seattle	Hagerty, D W, Bus.....	Browning, Mont	Hanson, Helen, FA.....	Seattle	Hagerty, Jean Mason, LA.....	Seattle	Hanson, May, Bus.....	Puyallup	Haggard, Henry E, Bus.....	Maple Falls	Hanson, Mildred M, Bus.....	Seattle	Haggard, Josephine J, LA.....	Maple Falls	Hanson, O B, Grad.....	Seattle	Hagist, Alfred C, Bus.....	Seattle	Hanson, Paul, FA.....	Ketchikan, Alaska	Haglund, Ivar, Bus.....	Seattle	Harby, Horace, LA.....	Seattle	Hagyard, May R, LA.....	Seattle	Hardy, Martha E, LA.....	Seattle	Hahn, Cathryn L, Jour.....	Skagway, Alaska	Harby, Sam, LA.....	Seattle	Hahn, Genevieve K, Sci.....	Seattle	Harden, Edith M, FA.....	Mt Vernon	Haiman, Lewis, For.....	Lake Bay	Harden, Mabel Z, FA.....	Lyle	Hainer, Bell Gaffner, Engr.....	Seattle	Hardinger, M Annette, Phar.....	Seattle	Haines, Frances, LA.....	Seattle	Harling, Robert, Engr.....	Seattle	Haines, Fred Jr, Bus.....	Seattle	Hartus, Roy Jr, Bus.....	Seattle	Hainsworth, Roderick L, Engr.....	Seattle	Harmon, E Bentley, Bus.....	Seattle	Halbert, T M, LA.....	Seattle	Harms, Wm, LA.....	Seattle	Hale, E W, Bus.....	Bickleton	Harnen, Arthur L, Sci.....	Mt Vernon	Halfhill, Nedra, LA.....	Los Angeles	Harney, Gerald E, Engr.....	Seattle	Hale, Eleanor E, FA.....	Seattle	Harper, H Roland, Phar.....	Seattle	Hale, Grattan, Bus.....	Seattle	Harras, Gus, Bus.....	Walla Walla	Hale, O J, LA.....	Bickleton	Harriman, Harriett, FA.....	Long Beach, Cal	Hale, Warren, Sci.....	Seattle	Harrington, Geraldine, Sci.....	Seattle	Halfhill, Clifford C, Bus.....	Seattle	Harris, Chas H, Bus.....	Seattle	Hall, Annabell, LA.....	Seattle	Harris, David M, Sci.....	Seattle	Hall, Elaine, FA.....	Seattle	Harris, Eleanor, LA.....	Seattle	Hall, Glen, LA.....	Seattle	Harris, Ernest A, For.....	Central Point, Ore	Hall, George Mason, LA.....	Winlock	Harris, Mrs Florence S, Grad.....	Seattle	Hall, John I, Bus.....	Hansville	Harris, Fred O, Grad.....	Seattle	Hall, John W, Engr.....	Everett	Harris, Gertrude, FA.....	Seattle	Hall, Margaret, LA.....	Seattle	Harris, Gordon, Bus.....	Bellevue	Hall, Phyllis, Unmat.....	Snohomish	Harris, Helen L, FA.....	Seattle	Hall, Roxie, Grad.....	Portland, Ore	Harris, Harry H, Engr.....	Seattle	Hall, Ruth V, LA.....	Seattle	Harris, Jean, LA.....	Chehalis	Hall, William R, LA.....	Chinook	Harris, John D, Bus.....	Seattle	Hallett, John L, Engr.....	Seattle	Harris, John F, LA.....	Seattle	Hallstrom, Charles W, LA.....	Seattle	Harris, John H Jr, Bus.....	Seattle	Hallstrom, Irving T, Engr.....	Seattle	Harris, John J, Bus.....	Seattle	Hallum, Jerome, Bus.....	Seattle	Harris, Leland S, Sci.....	Seattle	Haller, Theodore, Engr.....	Seattle	Harris, Peggy Jane, FA.....	Seattle	Haltom, Ramona, LA.....	Tacoma	Harrison, Aldine M, LA.....	Tacoma	Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle																																								
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Habicht, Helen M, LA.....	Seattle	Hanschel, Violet, FA.....	Seattle	Hack, George P, LA.....	Mercer Island	Hanson, Edith, Sci.....	Olympia	Hackett, Clara A, LA.....	Tacoma	Hanson, Anne R, Bus.....	Seattle	Hackman, Fred Milton, LA.....	Everett	Hanson, O C, Engr.....	Iron Mountain, Minn	Hackney, Devere, Bus.....	Centralia	Hansen, George F, Bus.....	Seattle	Haddock, J Boyd, Bus.....	Earlington	Hansen, Helen A, LA.....	Snohomish	Haddon, Joseph Elbert, Sci.....	Bremerton	Hansen, Inga M, LA.....	Pt Angeles	Hadsell, Robert L, Bus.....	Everett	Hansen, Leonard, For.....	Seattle	Hagan, Caroline, Unmat.....	Seattle	Hansen, Ralph B, Engr.....	Seattle	Hagar, Irene, LA.....	Olalla	Hansen, Rita P, LA.....	Vancouver	Hagen, Florence, FA.....	Seattle	Hanson, Elsie L, Bus.....	Seattle	Hagen, Jerry, LA.....	Seattle	Hanson, Harold W, For.....	Enumclaw	Hagerman, Harry Karl, LA.....	Longview	Hanson, Harry A, Fsh.....	Seattle	Hagerty, D W, Bus.....	Browning, Mont	Hanson, Helen, FA.....	Seattle	Hagerty, Jean Mason, LA.....	Seattle	Hanson, May, Bus.....	Puyallup	Haggard, Henry E, Bus.....	Maple Falls	Hanson, Mildred M, Bus.....	Seattle	Haggard, Josephine J, LA.....	Maple Falls	Hanson, O B, Grad.....	Seattle	Hagist, Alfred C, Bus.....	Seattle	Hanson, Paul, FA.....	Ketchikan, Alaska	Haglund, Ivar, Bus.....	Seattle	Harby, Horace, LA.....	Seattle	Hagyard, May R, LA.....	Seattle	Hardy, Martha E, LA.....	Seattle	Hahn, Cathryn L, Jour.....	Skagway, Alaska	Harby, Sam, LA.....	Seattle	Hahn, Genevieve K, Sci.....	Seattle	Harden, Edith M, FA.....	Mt Vernon	Haiman, Lewis, For.....	Lake Bay	Harden, Mabel Z, FA.....	Lyle	Hainer, Bell Gaffner, Engr.....	Seattle	Hardinger, M Annette, Phar.....	Seattle	Haines, Frances, LA.....	Seattle	Harling, Robert, Engr.....	Seattle	Haines, Fred Jr, Bus.....	Seattle	Hartus, Roy Jr, Bus.....	Seattle	Hainsworth, Roderick L, Engr.....	Seattle	Harmon, E Bentley, Bus.....	Seattle	Halbert, T M, LA.....	Seattle	Harms, Wm, LA.....	Seattle	Hale, E W, Bus.....	Bickleton	Harnen, Arthur L, Sci.....	Mt Vernon	Halfhill, Nedra, LA.....	Los Angeles	Harney, Gerald E, Engr.....	Seattle	Hale, Eleanor E, FA.....	Seattle	Harper, H Roland, Phar.....	Seattle	Hale, Grattan, Bus.....	Seattle	Harras, Gus, Bus.....	Walla Walla	Hale, O J, LA.....	Bickleton	Harriman, Harriett, FA.....	Long Beach, Cal	Hale, Warren, Sci.....	Seattle	Harrington, Geraldine, Sci.....	Seattle	Halfhill, Clifford C, Bus.....	Seattle	Harris, Chas H, Bus.....	Seattle	Hall, Annabell, LA.....	Seattle	Harris, David M, Sci.....	Seattle	Hall, Elaine, FA.....	Seattle	Harris, Eleanor, LA.....	Seattle	Hall, Glen, LA.....	Seattle	Harris, Ernest A, For.....	Central Point, Ore	Hall, George Mason, LA.....	Winlock	Harris, Mrs Florence S, Grad.....	Seattle	Hall, John I, Bus.....	Hansville	Harris, Fred O, Grad.....	Seattle	Hall, John W, Engr.....	Everett	Harris, Gertrude, FA.....	Seattle	Hall, Margaret, LA.....	Seattle	Harris, Gordon, Bus.....	Bellevue	Hall, Phyllis, Unmat.....	Snohomish	Harris, Helen L, FA.....	Seattle	Hall, Roxie, Grad.....	Portland, Ore	Harris, Harry H, Engr.....	Seattle	Hall, Ruth V, LA.....	Seattle	Harris, Jean, LA.....	Chehalis	Hall, William R, LA.....	Chinook	Harris, John D, Bus.....	Seattle	Hallett, John L, Engr.....	Seattle	Harris, John F, LA.....	Seattle	Hallstrom, Charles W, LA.....	Seattle	Harris, John H Jr, Bus.....	Seattle	Hallstrom, Irving T, Engr.....	Seattle	Harris, John J, Bus.....	Seattle	Hallum, Jerome, Bus.....	Seattle	Harris, Leland S, Sci.....	Seattle	Haller, Theodore, Engr.....	Seattle	Harris, Peggy Jane, FA.....	Seattle	Haltom, Ramona, LA.....	Tacoma	Harrison, Aldine M, LA.....	Tacoma	Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle																																																
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Hackman, Fred Milton, LA.....	Everett	Hanson, O C, Engr.....	Iron Mountain, Minn	Hackney, Devere, Bus.....	Centralia	Hansen, George F, Bus.....	Seattle	Haddock, J Boyd, Bus.....	Earlington	Hansen, Helen A, LA.....	Snohomish	Haddon, Joseph Elbert, Sci.....	Bremerton	Hansen, Inga M, LA.....	Pt Angeles	Hadsell, Robert L, Bus.....	Everett	Hansen, Leonard, For.....	Seattle	Hagan, Caroline, Unmat.....	Seattle	Hansen, Ralph B, Engr.....	Seattle	Hagar, Irene, LA.....	Olalla	Hansen, Rita P, LA.....	Vancouver	Hagen, Florence, FA.....	Seattle	Hanson, Elsie L, Bus.....	Seattle	Hagen, Jerry, LA.....	Seattle	Hanson, Harold W, For.....	Enumclaw	Hagerman, Harry Karl, LA.....	Longview	Hanson, Harry A, Fsh.....	Seattle	Hagerty, D W, Bus.....	Browning, Mont	Hanson, Helen, FA.....	Seattle	Hagerty, Jean Mason, LA.....	Seattle	Hanson, May, Bus.....	Puyallup	Haggard, Henry E, Bus.....	Maple Falls	Hanson, Mildred M, Bus.....	Seattle	Haggard, Josephine J, LA.....	Maple Falls	Hanson, O B, Grad.....	Seattle	Hagist, Alfred C, Bus.....	Seattle	Hanson, Paul, FA.....	Ketchikan, Alaska	Haglund, Ivar, Bus.....	Seattle	Harby, Horace, LA.....	Seattle	Hagyard, May R, LA.....	Seattle	Hardy, Martha E, LA.....	Seattle	Hahn, Cathryn L, Jour.....	Skagway, Alaska	Harby, Sam, LA.....	Seattle	Hahn, Genevieve K, Sci.....	Seattle	Harden, Edith M, FA.....	Mt Vernon	Haiman, Lewis, For.....	Lake Bay	Harden, Mabel Z, FA.....	Lyle	Hainer, Bell Gaffner, Engr.....	Seattle	Hardinger, M Annette, Phar.....	Seattle	Haines, Frances, LA.....	Seattle	Harling, Robert, Engr.....	Seattle	Haines, Fred Jr, Bus.....	Seattle	Hartus, Roy Jr, Bus.....	Seattle	Hainsworth, Roderick L, Engr.....	Seattle	Harmon, E Bentley, Bus.....	Seattle	Halbert, T M, LA.....	Seattle	Harms, Wm, LA.....	Seattle	Hale, E W, Bus.....	Bickleton	Harnen, Arthur L, Sci.....	Mt Vernon	Halfhill, Nedra, LA.....	Los Angeles	Harney, Gerald E, Engr.....	Seattle	Hale, Eleanor E, FA.....	Seattle	Harper, H Roland, Phar.....	Seattle	Hale, Grattan, Bus.....	Seattle	Harras, Gus, Bus.....	Walla Walla	Hale, O J, LA.....	Bickleton	Harriman, Harriett, FA.....	Long Beach, Cal	Hale, Warren, Sci.....	Seattle	Harrington, Geraldine, Sci.....	Seattle	Halfhill, Clifford C, Bus.....	Seattle	Harris, Chas H, Bus.....	Seattle	Hall, Annabell, LA.....	Seattle	Harris, David M, Sci.....	Seattle	Hall, Elaine, FA.....	Seattle	Harris, Eleanor, LA.....	Seattle	Hall, Glen, LA.....	Seattle	Harris, Ernest A, For.....	Central Point, Ore	Hall, George Mason, LA.....	Winlock	Harris, Mrs Florence S, Grad.....	Seattle	Hall, John I, Bus.....	Hansville	Harris, Fred O, Grad.....	Seattle	Hall, John W, Engr.....	Everett	Harris, Gertrude, FA.....	Seattle	Hall, Margaret, LA.....	Seattle	Harris, Gordon, Bus.....	Bellevue	Hall, Phyllis, Unmat.....	Snohomish	Harris, Helen L, FA.....	Seattle	Hall, Roxie, Grad.....	Portland, Ore	Harris, Harry H, Engr.....	Seattle	Hall, Ruth V, LA.....	Seattle	Harris, Jean, LA.....	Chehalis	Hall, William R, LA.....	Chinook	Harris, John D, Bus.....	Seattle	Hallett, John L, Engr.....	Seattle	Harris, John F, LA.....	Seattle	Hallstrom, Charles W, LA.....	Seattle	Harris, John H Jr, Bus.....	Seattle	Hallstrom, Irving T, Engr.....	Seattle	Harris, John J, Bus.....	Seattle	Hallum, Jerome, Bus.....	Seattle	Harris, Leland S, Sci.....	Seattle	Haller, Theodore, Engr.....	Seattle	Harris, Peggy Jane, FA.....	Seattle	Haltom, Ramona, LA.....	Tacoma	Harrison, Aldine M, LA.....	Tacoma	Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle																																																												
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Haddon, Joseph Elbert, Sci.....	Bremerton	Hansen, Inga M, LA.....	Pt Angeles	Hadsell, Robert L, Bus.....	Everett	Hansen, Leonard, For.....	Seattle	Hagan, Caroline, Unmat.....	Seattle	Hansen, Ralph B, Engr.....	Seattle	Hagar, Irene, LA.....	Olalla	Hansen, Rita P, LA.....	Vancouver	Hagen, Florence, FA.....	Seattle	Hanson, Elsie L, Bus.....	Seattle	Hagen, Jerry, LA.....	Seattle	Hanson, Harold W, For.....	Enumclaw	Hagerman, Harry Karl, LA.....	Longview	Hanson, Harry A, Fsh.....	Seattle	Hagerty, D W, Bus.....	Browning, Mont	Hanson, Helen, FA.....	Seattle	Hagerty, Jean Mason, LA.....	Seattle	Hanson, May, Bus.....	Puyallup	Haggard, Henry E, Bus.....	Maple Falls	Hanson, Mildred M, Bus.....	Seattle	Haggard, Josephine J, LA.....	Maple Falls	Hanson, O B, Grad.....	Seattle	Hagist, Alfred C, Bus.....	Seattle	Hanson, Paul, FA.....	Ketchikan, Alaska	Haglund, Ivar, Bus.....	Seattle	Harby, Horace, LA.....	Seattle	Hagyard, May R, LA.....	Seattle	Hardy, Martha E, LA.....	Seattle	Hahn, Cathryn L, Jour.....	Skagway, Alaska	Harby, Sam, LA.....	Seattle	Hahn, Genevieve K, Sci.....	Seattle	Harden, Edith M, FA.....	Mt Vernon	Haiman, Lewis, For.....	Lake Bay	Harden, Mabel Z, FA.....	Lyle	Hainer, Bell Gaffner, Engr.....	Seattle	Hardinger, M Annette, Phar.....	Seattle	Haines, Frances, LA.....	Seattle	Harling, Robert, Engr.....	Seattle	Haines, Fred Jr, Bus.....	Seattle	Hartus, Roy Jr, Bus.....	Seattle	Hainsworth, Roderick L, Engr.....	Seattle	Harmon, E Bentley, Bus.....	Seattle	Halbert, T M, LA.....	Seattle	Harms, Wm, LA.....	Seattle	Hale, E W, Bus.....	Bickleton	Harnen, Arthur L, Sci.....	Mt Vernon	Halfhill, Nedra, LA.....	Los Angeles	Harney, Gerald E, Engr.....	Seattle	Hale, Eleanor E, FA.....	Seattle	Harper, H Roland, Phar.....	Seattle	Hale, Grattan, Bus.....	Seattle	Harras, Gus, Bus.....	Walla Walla	Hale, O J, LA.....	Bickleton	Harriman, Harriett, FA.....	Long Beach, Cal	Hale, Warren, Sci.....	Seattle	Harrington, Geraldine, Sci.....	Seattle	Halfhill, Clifford C, Bus.....	Seattle	Harris, Chas H, Bus.....	Seattle	Hall, Annabell, LA.....	Seattle	Harris, David M, Sci.....	Seattle	Hall, Elaine, FA.....	Seattle	Harris, Eleanor, LA.....	Seattle	Hall, Glen, LA.....	Seattle	Harris, Ernest A, For.....	Central Point, Ore	Hall, George Mason, LA.....	Winlock	Harris, Mrs Florence S, Grad.....	Seattle	Hall, John I, Bus.....	Hansville	Harris, Fred O, Grad.....	Seattle	Hall, John W, Engr.....	Everett	Harris, Gertrude, FA.....	Seattle	Hall, Margaret, LA.....	Seattle	Harris, Gordon, Bus.....	Bellevue	Hall, Phyllis, Unmat.....	Snohomish	Harris, Helen L, FA.....	Seattle	Hall, Roxie, Grad.....	Portland, Ore	Harris, Harry H, Engr.....	Seattle	Hall, Ruth V, LA.....	Seattle	Harris, Jean, LA.....	Chehalis	Hall, William R, LA.....	Chinook	Harris, John D, Bus.....	Seattle	Hallett, John L, Engr.....	Seattle	Harris, John F, LA.....	Seattle	Hallstrom, Charles W, LA.....	Seattle	Harris, John H Jr, Bus.....	Seattle	Hallstrom, Irving T, Engr.....	Seattle	Harris, John J, Bus.....	Seattle	Hallum, Jerome, Bus.....	Seattle	Harris, Leland S, Sci.....	Seattle	Haller, Theodore, Engr.....	Seattle	Harris, Peggy Jane, FA.....	Seattle	Haltom, Ramona, LA.....	Tacoma	Harrison, Aldine M, LA.....	Tacoma	Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle																																																																								
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Hagerman, Harry Karl, LA.....	Longview	Hanson, Harry A, Fsh.....	Seattle	Hagerty, D W, Bus.....	Browning, Mont	Hanson, Helen, FA.....	Seattle	Hagerty, Jean Mason, LA.....	Seattle	Hanson, May, Bus.....	Puyallup	Haggard, Henry E, Bus.....	Maple Falls	Hanson, Mildred M, Bus.....	Seattle	Haggard, Josephine J, LA.....	Maple Falls	Hanson, O B, Grad.....	Seattle	Hagist, Alfred C, Bus.....	Seattle	Hanson, Paul, FA.....	Ketchikan, Alaska	Haglund, Ivar, Bus.....	Seattle	Harby, Horace, LA.....	Seattle	Hagyard, May R, LA.....	Seattle	Hardy, Martha E, LA.....	Seattle	Hahn, Cathryn L, Jour.....	Skagway, Alaska	Harby, Sam, LA.....	Seattle	Hahn, Genevieve K, Sci.....	Seattle	Harden, Edith M, FA.....	Mt Vernon	Haiman, Lewis, For.....	Lake Bay	Harden, Mabel Z, FA.....	Lyle	Hainer, Bell Gaffner, Engr.....	Seattle	Hardinger, M Annette, Phar.....	Seattle	Haines, Frances, LA.....	Seattle	Harling, Robert, Engr.....	Seattle	Haines, Fred Jr, Bus.....	Seattle	Hartus, Roy Jr, Bus.....	Seattle	Hainsworth, Roderick L, Engr.....	Seattle	Harmon, E Bentley, Bus.....	Seattle	Halbert, T M, LA.....	Seattle	Harms, Wm, LA.....	Seattle	Hale, E W, Bus.....	Bickleton	Harnen, Arthur L, Sci.....	Mt Vernon	Halfhill, Nedra, LA.....	Los Angeles	Harney, Gerald E, Engr.....	Seattle	Hale, Eleanor E, FA.....	Seattle	Harper, H Roland, Phar.....	Seattle	Hale, Grattan, Bus.....	Seattle	Harras, Gus, Bus.....	Walla Walla	Hale, O J, LA.....	Bickleton	Harriman, Harriett, FA.....	Long Beach, Cal	Hale, Warren, Sci.....	Seattle	Harrington, Geraldine, Sci.....	Seattle	Halfhill, Clifford C, Bus.....	Seattle	Harris, Chas H, Bus.....	Seattle	Hall, Annabell, LA.....	Seattle	Harris, David M, Sci.....	Seattle	Hall, Elaine, FA.....	Seattle	Harris, Eleanor, LA.....	Seattle	Hall, Glen, LA.....	Seattle	Harris, Ernest A, For.....	Central Point, Ore	Hall, George Mason, LA.....	Winlock	Harris, Mrs Florence S, Grad.....	Seattle	Hall, John I, Bus.....	Hansville	Harris, Fred O, Grad.....	Seattle	Hall, John W, Engr.....	Everett	Harris, Gertrude, FA.....	Seattle	Hall, Margaret, LA.....	Seattle	Harris, Gordon, Bus.....	Bellevue	Hall, Phyllis, Unmat.....	Snohomish	Harris, Helen L, FA.....	Seattle	Hall, Roxie, Grad.....	Portland, Ore	Harris, Harry H, Engr.....	Seattle	Hall, Ruth V, LA.....	Seattle	Harris, Jean, LA.....	Chehalis	Hall, William R, LA.....	Chinook	Harris, John D, Bus.....	Seattle	Hallett, John L, Engr.....	Seattle	Harris, John F, LA.....	Seattle	Hallstrom, Charles W, LA.....	Seattle	Harris, John H Jr, Bus.....	Seattle	Hallstrom, Irving T, Engr.....	Seattle	Harris, John J, Bus.....	Seattle	Hallum, Jerome, Bus.....	Seattle	Harris, Leland S, Sci.....	Seattle	Haller, Theodore, Engr.....	Seattle	Harris, Peggy Jane, FA.....	Seattle	Haltom, Ramona, LA.....	Tacoma	Harrison, Aldine M, LA.....	Tacoma	Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle																																																																																																
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Hahn, Cathryn L, Jour.....	Skagway, Alaska	Harby, Sam, LA.....	Seattle	Hahn, Genevieve K, Sci.....	Seattle	Harden, Edith M, FA.....	Mt Vernon	Haiman, Lewis, For.....	Lake Bay	Harden, Mabel Z, FA.....	Lyle	Hainer, Bell Gaffner, Engr.....	Seattle	Hardinger, M Annette, Phar.....	Seattle	Haines, Frances, LA.....	Seattle	Harling, Robert, Engr.....	Seattle	Haines, Fred Jr, Bus.....	Seattle	Hartus, Roy Jr, Bus.....	Seattle	Hainsworth, Roderick L, Engr.....	Seattle	Harmon, E Bentley, Bus.....	Seattle	Halbert, T M, LA.....	Seattle	Harms, Wm, LA.....	Seattle	Hale, E W, Bus.....	Bickleton	Harnen, Arthur L, Sci.....	Mt Vernon	Halfhill, Nedra, LA.....	Los Angeles	Harney, Gerald E, Engr.....	Seattle	Hale, Eleanor E, FA.....	Seattle	Harper, H Roland, Phar.....	Seattle	Hale, Grattan, Bus.....	Seattle	Harras, Gus, Bus.....	Walla Walla	Hale, O J, LA.....	Bickleton	Harriman, Harriett, FA.....	Long Beach, Cal	Hale, Warren, Sci.....	Seattle	Harrington, Geraldine, Sci.....	Seattle	Halfhill, Clifford C, Bus.....	Seattle	Harris, Chas H, Bus.....	Seattle	Hall, Annabell, LA.....	Seattle	Harris, David M, Sci.....	Seattle	Hall, Elaine, FA.....	Seattle	Harris, Eleanor, LA.....	Seattle	Hall, Glen, LA.....	Seattle	Harris, Ernest A, For.....	Central Point, Ore	Hall, George Mason, LA.....	Winlock	Harris, Mrs Florence S, Grad.....	Seattle	Hall, John I, Bus.....	Hansville	Harris, Fred O, Grad.....	Seattle	Hall, John W, Engr.....	Everett	Harris, Gertrude, FA.....	Seattle	Hall, Margaret, LA.....	Seattle	Harris, Gordon, Bus.....	Bellevue	Hall, Phyllis, Unmat.....	Snohomish	Harris, Helen L, FA.....	Seattle	Hall, Roxie, Grad.....	Portland, Ore	Harris, Harry H, Engr.....	Seattle	Hall, Ruth V, LA.....	Seattle	Harris, Jean, LA.....	Chehalis	Hall, William R, LA.....	Chinook	Harris, John D, Bus.....	Seattle	Hallett, John L, Engr.....	Seattle	Harris, John F, LA.....	Seattle	Hallstrom, Charles W, LA.....	Seattle	Harris, John H Jr, Bus.....	Seattle	Hallstrom, Irving T, Engr.....	Seattle	Harris, John J, Bus.....	Seattle	Hallum, Jerome, Bus.....	Seattle	Harris, Leland S, Sci.....	Seattle	Haller, Theodore, Engr.....	Seattle	Harris, Peggy Jane, FA.....	Seattle	Haltom, Ramona, LA.....	Tacoma	Harrison, Aldine M, LA.....	Tacoma	Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle																																																																																																																																
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Hale, Grattan, Bus.....	Seattle	Harras, Gus, Bus.....	Walla Walla	Hale, O J, LA.....	Bickleton	Harriman, Harriett, FA.....	Long Beach, Cal	Hale, Warren, Sci.....	Seattle	Harrington, Geraldine, Sci.....	Seattle	Halfhill, Clifford C, Bus.....	Seattle	Harris, Chas H, Bus.....	Seattle	Hall, Annabell, LA.....	Seattle	Harris, David M, Sci.....	Seattle	Hall, Elaine, FA.....	Seattle	Harris, Eleanor, LA.....	Seattle	Hall, Glen, LA.....	Seattle	Harris, Ernest A, For.....	Central Point, Ore	Hall, George Mason, LA.....	Winlock	Harris, Mrs Florence S, Grad.....	Seattle	Hall, John I, Bus.....	Hansville	Harris, Fred O, Grad.....	Seattle	Hall, John W, Engr.....	Everett	Harris, Gertrude, FA.....	Seattle	Hall, Margaret, LA.....	Seattle	Harris, Gordon, Bus.....	Bellevue	Hall, Phyllis, Unmat.....	Snohomish	Harris, Helen L, FA.....	Seattle	Hall, Roxie, Grad.....	Portland, Ore	Harris, Harry H, Engr.....	Seattle	Hall, Ruth V, LA.....	Seattle	Harris, Jean, LA.....	Chehalis	Hall, William R, LA.....	Chinook	Harris, John D, Bus.....	Seattle	Hallett, John L, Engr.....	Seattle	Harris, John F, LA.....	Seattle	Hallstrom, Charles W, LA.....	Seattle	Harris, John H Jr, Bus.....	Seattle	Hallstrom, Irving T, Engr.....	Seattle	Harris, John J, Bus.....	Seattle	Hallum, Jerome, Bus.....	Seattle	Harris, Leland S, Sci.....	Seattle	Haller, Theodore, Engr.....	Seattle	Harris, Peggy Jane, FA.....	Seattle	Haltom, Ramona, LA.....	Tacoma	Harrison, Aldine M, LA.....	Tacoma	Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle																																																																																																																																																																												
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Halvarson, T, Engr.....	Seattle	Harrison, Helen B, LA.....	Seattle	Halverson, Thelma C, Bus.....	Tacoma	Harrison, Martin V, For.....	Seattle	Halversen, Kendall, Law.....	Seattle	Harrison, Richard, Bus.....	Seattle	Hamblen, Ruth, LA.....	Seattle	Harsch, Alfred E, Law.....	Yakima	Hamel, Herman C, Engr.....	Acme	Harshman, Agnes, Grad.....	Seattle	Hamerly, Laurence R, Engr.....	Seattle	Hart, Dorothy, FA.....	Seattle	Hamilton, Bernice M, Edu.....	Spokane	Hart, E G, For.....	Victoria, Can	Hamilton, Blanche, LA.....	Seattle	Hart, Harold H, LA.....	Issaquah	Hamilton, Edw M, LA.....	Tacoma	Hart, Harvey B, Bus.....	Portland, Ore	Hamilton, Grace, FA.....	Seattle	Hart, J Stanley, Bus.....	Seattle	Hamlin, Margaret C, LA.....	Seattle	Hart, Mary Ann, LA.....	Portland, Ore	Hamm, Frank E, Bus.....	Seattle	Hart, Rosamond P, LA.....	Portland, Ore	Hammack, James R, Law.....	Mt Vernon	Hartge, Mrs Lena A, Grad.....	Seattle	Hammond, Marguerite, Phar.....	Seattle	Hartle, Frances, LA.....	Seattle																																																																																																																																																																																																																																																																
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Hartle, George, Bus.....	Seattle	Heinrick, John, LA.....	Tacoma
Hartley, Edyth Louise, LA.....	Seattle	Heisler, Mabel, Bus.....	Seattle
Hartman, Gertram, Bus.....	Seattle	Held, Cecil A, Engr.....	Seattle
Hartman, Mrs Jeannette W, FA.....	Seattle	Helliesen, Harold S, Bus.....	Seattle
Hartman, Jonathon E, Engr.....	Kirkland	Helliesen, Margaret, LA.....	Seattle
Hartnagel, Robin, LA.....	Seattle	Heller, Carolyn, LA.....	Seattle
Hartnagel, Nelson A, For.....	Seattle	Helphrey, Mary Frances, Bus.....	Spokane
Hartnett, Charles R, Sci.....	Seattle	Homb, Edwin H, Bus.....	Dundee, Ill
Hartnett, Robert A, Bus.....	Seattle	Hemeke, Verle F, Sci.....	Arlington
Harvey, Alberta L, LA.....	Medford, Ore	Hempel, Eric P, Phar.....	Seattle
Harvey, Lora, LA.....	Seattle	Hempstead, William E, Bus.....	Seattle
Harvey, Nellie, Lib.....	Seattle	Hendee, Vivian, LA.....	Seattle
Harvey, Ralph A, Bus.....	Arlington	Henderson, Frank C, Bus.....	Spokane
Harwood, F B, Fsh.....	Seattle	Henderson, E Lawrence, Bus.....	Seattle
HasBrouck, Ralph D, Bus.....	Seattle	Henderson, Grace.....	Seattle
Hasba, Helen R, FA.....	Tacoma	Hendrickson, Gertrude, LA.....	Seattle
Hashimoto, Shizuo, LA.....	Toppenish	Hendrickson, Harold M, Engr.....	Seattle
Haskell, Margaret, Edu.....	Seattle	Henke, Harry, Jr.....	Seattle
Haskell, Oliver H, LA.....	Tacoma	Henning, Burt, Bus.....	Leavenworth
Hasting, Jessie, FA.....	Seattle	Henricksen, Fred S, Law.....	Tacoma
Hatch, Corinne Standish, LA.....	Spokane	Henriot, Jane C, LA.....	St. Louis, Mo
Hatch, George E, LA.....	Seattle	Henriot, Richard L, LA.....	Seattle
Hatch, Porter, LA.....	Lynden	Henry, Cordia J, For.....	Charleston
Hatch, Orville C, Law.....	Seattle	Henry, Everett, Engr.....	Everett
Hauch, Floyd E, Engr.....	Seattle	Henry, Florence, LA.....	Tacoma
Hauff, Harold A, Engr.....	Seattle	Henry, George, Bus.....	Seattle
Hauff, Thor W, Engr.....	Seattle	Henry, George E, Law.....	Seattle
Hauan, Elida M, LA.....	Richmond Beach	Henry, Patrick, LA.....	Roslyn
Haugan, Olga J, LA.....	Seattle	Henry, Walter, Bus.....	Vancouver
Haus, Bernard W, LA.....	Seattle	Hensel, Pauline M, FA.....	Seattle
Haven, Jean, LA.....	Everett	Hensler, Lovette, FA.....	Seattle
Havens, Mareta, Grad.....	Seattle	Hensley, Olive, LA.....	Seattle
Havens, Russell A, Bus.....	Seattle	Hensley, Mercedes H, FA.....	Seattle
Havland, Wm I, Bus.....	Seattle	Heplin, Thor E, Sci.....	Tacoma
Havlik, Mary Genevieve, FA.....	Portland, Ore	Hepperlie, Charlotte P, FA.....	Dubuque, Ia
Hawk, F H, Edu.....	Seattle	Herbert, G A, Grad.....	Seattle
Hawker, Charles C, Phar.....	Pasco	Heritage, George W, Engr.....	Victoria, BC
Hawking, Addie, Sci.....	Seattle	Herdlick, Jared A, Min.....	Seattle
Hawkins, Edward K, Engr.....	Seattle	Herley, George E, LA.....	Monroe
Hawkins, Harold L, Sci.....	Bellingham	Herman, Helen, FA.....	Ritzville
Hawley, Catherine L, LA.....	Seattle	Hermans, Thos G, Grad.....	Puyallup
Hawthorne, Rebecca A, Grad.....	Seattle	Hernandez, Salustian C, Bus.....	Philippines
Hayashitam, Yutako, FA.....	Seattle	Herold, Edmond H, Bus.....	Seattle
Haydon, LA, Bus.....	Taft, Cal	Heron, Frances G, Edu.....	Cathlamet
Hayes, Bernice, Grad.....	Seattle	Herron, Naomi E, LA.....	Aberdeen
Hayes, Elizabeth G, Bus.....	Seattle	Herron, W A, Law.....	Seattle
Hayes, Leroy B, Bus.....	Bellingham	Hertsche, Betsy Ann, LA.....	Ilwaco
Hayes, Margaret, Phar.....	Seattle	Hertsche, Marjorie A, LA.....	Portland, Ore
Hayes, Robert C, LA.....	Seattle	Hervin, Carl H, Engr.....	Seattle
Hays, Loyal B, LA.....	Longview	Heltier, Charles G, Bus.....	Wilbur
Hayward, Allen J, Sci.....	Seattle	Hertz, Stuart B, LA.....	La Center
Hayward, Stanton B, LA.....	Bremerton	Hesseldenz, Dorothy, LA.....	Oakland, Calif
Hayward, William S, Bus.....	Seattle	Hesslein, Harry, Bus.....	Spokane
Hazen, Margaret, LA.....	Snohomish	Heuple, Carl, Sci.....	Lakebay
Hazzard, Margaret, LA.....	Seattle	Heuver, Herbert, Engr.....	Seattle
Head, Pauline, FA.....	Seattle	Heyburn, Frances Louise, FA.....	Seattle
Headrick, Stanley, Sci.....	Yakima	Hicker, Eugene S, Sci.....	Seattle
Heaney, Genevieve, LA.....	Chicago, Ill	Hickok, Lloyd A, Bus.....	Zillah
Heaney, Marvin G, Engr.....	Seattle	Hicks, George, LA.....	Tacoma
Hearty, Aileen, FA.....	Seattle	Hicks, J. Jr, Sci.....	Portland, Ore
Heath, Lawrence, Bus.....	Spokane	Hicks, Victor, Grad.....	Salem, Ore
Heaton, William D Jr, Bus.....	Spokane	Hickox, Lutie, Bus.....	Seattle
Hebb, Paul H, LA.....	Seattle	Higgem, Ina, Sci.....	Ferndale
Heberling, Lois, FA.....	Los Angeles, Cal	Higgins, Frank L, Bus.....	Everett
Hebenstraet, Carl F, LA.....	Seattle	Higgins, Kathryn, FA.....	Baker, Ore
Hecht, Ruth, FA.....	Seattle	Higgins, Marie, LA.....	Chelan
Hedges, Elizabeth, FA.....	Waterville	Higley, Helen, Sci.....	Maplehurst
Hedreen, Carl A, Sci.....	Seattle	Higuchi, Takashi, FA.....	Japan
Heer, Ralph W, Bus.....	Seattle	Hilborss, D W, FA.....	Centralia
Heetderks, Anne, Sci.....	Grand Rapids, Mich	Hildyard, Winifred D, LA.....	Seattle
Heffernan, Robert D, LA.....	Seattle	Hill, Arthur R, Bus.....	Seattle
Hegdahl, Doris Claire, LA.....	Seattle	Hill, Bennett B, Engr.....	Wilder, Ida
Hegg, Arnold, Sci.....	Aberdeen	Hill, Harriet LA.....	Seattle
Heikkila, Alfred E, Bus.....	Tacoma	Hill, Ilah J, Bus.....	Naselle
Heilman, Robert Jr, LA.....	San Diego, Cal	Hill, John E, LA.....	Seattle
Heimdahl, Erna, Sci.....	Fir	Hill, John Regli, Engr.....	Seattle
Heilman, Jeffrey, Law.....	Seattle	Hill, Julius C, Bus.....	Astoria, Ore
Heimbaugh, Vinnetta, Sci.....	Seattle	Hill, Marie L, FA.....	Seattle
Hein, Lucile, Sci.....	Giscome, Can	Hill, Martha E, LA.....	Seattle
Heine, Henry C, Jr, For.....	Fairbault, Minn	Hill, Raymond J, Bus.....	Zillah
Heiner, Elsie, LA.....	Seattle	Hill, Ruth A, Lib.....	Seattle

Hill, Virgil, Bus.....	Zillah
Hill, Way Woody, LA.....	Seattle
Hillman, G K, Engr.....	Seattle
Hillyer, Theo, LA.....	Yukima
Himes, Velma, LA.....	Hoquiam
Hinckley, Martha, FA.....	Seattle
Hindley, Julia P, LA.....	Seattle
Hindley, Phillip M, Grad.....	Seattle
Hindmarsh, A E, LA.....	Seattle
Hinkle, Harry B, Bus.....	Seattle
Hing, Lily, FA.....	Portland, Ore
Hing, Peter, Engr.....	Portland, Ore
Hinman, Isla, FA.....	Yukima
Hinman, Lorene, LA.....	Yukima
Hinsdale, Bud, Fsh.....	Seattle
Hinsdale, Helen, FA.....	Seattle
Hirai, Takunaga, LA.....	Japan
Hirota, Charles, Bus.....	Baker, Ore
Hirota, Haruo, FA.....	Seattle
Hirose, Ruby, Phar.....	Auburn
Hirschman, Jay, Sci.....	Seattle
Hirtle, Eugene G, Bus.....	Seattle
Hitchings, Geo H, Sci.....	Seattle
Hitchman, Betty, LA.....	Seattle
Hitchman, Robert B, LA.....	Seattle
Hitt, Dorothy, LA.....	Seattle
Hitt, Edward, Engr.....	Seattle
Hoag, Alberta, LA.....	Seattle
Hoard, James L, Engr.....	Seattle
Hoard, Ruth V, Sci.....	Seattle
Hobert, Harold W, Engr.....	Seattle
Hobert, Mrs Harold W, LA.....	Seattle
Hockersmith, W F, Engr.....	Seattle
Hocking, Lillian K, LA.....	Seattle
Hodges, F C, Sci.....	Hurley, New Mex
Hodson, Dorothy, FA.....	Seattle
Hofer, Dorothy F, Sci.....	Pasadena, Calif
Hoff, Alice, Bus.....	Seattle
Hoff, Earl, Engr.....	Astoria, Ore
Hoff, E C, Sci.....	Bothell
Hoff, Heibel E, Sci.....	Bothell
Hofland, H H, LA.....	Seattle
Hofland, Laura, LA.....	Seattle
Hoffman, Dorothy, LA.....	Seattle
Hoffman, E D, Bus.....	Tacoma
Hoffman, Lawrence W, LA.....	Seattle
Hoffman, Marian, LA.....	Seattle
Hoffner, Edward, Bus.....	Seattle
Hofsted, Lillian, LA.....	Tacoma
Hofto, Glen E, Engr.....	Seattle
Hogart, Louise, Sci.....	Seattle
Hogen, Marie, LA.....	Chehalis
Hogen, Nellie, LA.....	Chehalis
Hogberg, Judith, Bus.....	Seattle
Hokanson, Helen M, LA.....	Hoquiam
Holcomb, Vance R, Bus.....	Kennewick
Holden, Blanch L, Bus.....	Lebam
Holden, Frances, LA.....	Yukima
Holden, Helen B, FA.....	Yukima
Holden, Harold, LA.....	Everett
Holland, Alfred, Phar.....	Aberdeen
Hollomon, J Paul, Phar.....	Olympia
Holloway, Don, Sci.....	Puyallup
Holloway, Lucille, LA.....	Seattle
Hollscher, Wm C, LA.....	Seattle
Holm, John Bernard, Sci.....	Juneau, Alaska
Holm, Ivan H, Bus.....	Tacoma
Holman, Lindsey, Bus.....	Twin Falls, Ida
Holman, Robert S, Engr.....	Tacoma
Holmes, Earl M, LA.....	Seattle
Holmes, Doris E, FA.....	Tacoma
Holmes, Dorothy Marian, Sci.....	Seattle
Holmes, G Glenn, Grad.....	Baldwin, Kan
Holmes, Harlan B, Grad.....	Seattle
Holmes, John H, LA.....	Seattle
Holmes, Lionel E, LA.....	Seattle
Holmes, Merton, Sci.....	Centralia
Holmes, A Russell, LA.....	Seattle
Holmlund, Elof, LA.....	Aberdeen
Holte, Herman J, Sci.....	Seattle
Holt, Ernest R, Min.....	Seattle
Holt, George A, For.....	Tacoma
Holtzinger, Ruth E, LA.....	Yakima
Holverson, Speven, LA.....	Los Angeles, Cal
Holway, Theodore W, Sci.....	Seattle
Horning, Allan E, Engr.....	Anchorage, Alaska
Hone, Walton, Bus.....	Seattle
Hood, J Struthers, Sci.....	Bellingham
Hood, William H, LA.....	Tacoma
Hoof, Clifford E, LA.....	Bellingham
Hooker, Harry, LA.....	Wakita, Okla
Hopkins, Alden, Bus.....	Hartford
Hopkins, Eugenia, FA.....	Seattle
Hopkins, Glenn D, Bus.....	Spokane
Hopkins, Harry A, LA.....	Seattle
Hopkins, Vera A, FA.....	Hartford
Hoppe, Marguerite, Bus.....	Spokane
Hopper, Martha L, LA.....	Seattle
Horn, Mrs Agnes D, Grad.....	Mt Vernon
Horn, Carlyle E, Bus.....	Tacoma
Horn, Erling, Engr.....	Seattle
Hornbeck, Marie, LA.....	Seattle
Hornberg, Charles, Engr.....	Newcastle
Horlike, Koji, Bus.....	Seattle
Horowitz, Charles, Law.....	Seattle
Horowitz, Meyer, LA.....	Seattle
Horrocks, Charlotte M, FA.....	Seattle
Horsfall, Frank Jr, Sci.....	Seattle
Horsfall, Jane E, LA.....	Seattle
Horsley, William H, Grad.....	Seattle
Horton, A Carmen, FA.....	Spokane
Horton, Elizabeth E, FA.....	Seattle
Hostetler, John H, Sci.....	Seattle
Hough, Lawrence E, Engr.....	Andersonwood Manor
Houston, Lawrence A, Engr.....	Enumclaw
Houx, Mary Louise, LA.....	Longview
Houde, Alma T, Sci.....	St James, Minn
Hover, Ernest J, LA.....	Seattle
Hoverson, Edwin, LA.....	Tacoma
Hoverson, Julius C, LA.....	Bellingham
Howard, Catherine, LA.....	Seattle
Howard, Edwin L, Bus.....	Stanwood
Howard, Helen Elena, LA.....	Stanwood
Howard, Ophelia M, LA.....	Anchorage, Alas
Howard, Oscar Jr, Engr.....	Joyce
Howard, Sina W, LA.....	Seattle
Howard, C Wesley, Engr.....	Lyman
Howay, Jack, LA.....	Seattle
Howe, Doris, LA.....	Seattle
Howe, Wallace, LA.....	Seattle
Howes, Jessie, Grad.....	Hood River, Ore
Hoyt, Donald R, LA.....	Seattle
Hoyt, Gordon M, Bus.....	Seattle
Hrutford, Diana, Sci.....	Seattle
Hsueh, Donald T, Edu.....	China
Huang, P K, LA.....	China
Hubbard, Arline, Jour.....	Auburn
Hubbard, Ora E, Bus.....	Klickitat
Hubbard, Ruth M, LA.....	Auburn
Hubbell, Leslie, LA.....	Spokane
Hubbell, Margaret, Grad.....	Seattle
Hubbert, R T, FA.....	Seattle
Huber, Lester F, LA.....	Seattle
Hubert, Margaret C, LA.....	Butte, Mont
Huddle, Joe A, Engr.....	Harrington
Hudnall, Harriet, LA.....	Kennewick
Hudson, Arthur J, Engr.....	Suquamish
Hudson, Chester A, LA.....	Seattle
Hudson, James D, Spec.....	Seattle
Hudson, Lols E, LA.....	Yakima
Hudson, Roy, For.....	Renton
Hudson, Robert D, LA.....	Yakima
Hudson, Ruth, FA.....	Seattle
Hue, Ruth, Sci.....	Pasco
Huestis, Mrs Jane H, LA.....	Seattle
Huey, Robert A, FA.....	Tacoma
Huff, Calvin A, LA.....	Seattle
Huff, Edythe B, LA.....	Yakima
Huffaker, Rosalind, LA.....	Seattle
Huffine, C Walter, Engr.....	Seattle
Huffine, Sherman R, LA.....	Seattle
Hughes, Mrs Babette, LA.....	Seattle

Hughes, Bernice, LA.....	Seattle	Isaacson, Suzanne E, LA.....	Aberdeen
Hughes, Honoria, LA.....	Seattle	Isbell, Raymond F, Educ.....	Seattle
Hughes, Joseph L, LA.....	Wenatchee	Isom, M C, Bus.....	Seattle
Hughes, K E, Bus.....	Seattle	Itomitsu, Seiriu, Engr.....	Honolulu, Hawaii
Hughes, Lavon E, Bus.....	Bryn Mawr	Ivers, Henry, Law.....	Seattle
Hughes, Margaret C, LA.....	Tacoma	Iverseen, J Vee, Engr.....	Seattle
Hughes, Martha E, LA.....	Seattle	Iversen, Lyle L, LA.....	Seattle
Hughes, Nicholas P, LA.....	Seattle	Ivey, Dorothy May, Sci.....	Bellevue
Hughes, Owen Price, LA.....	Tacoma		
Huhue, Inez V, FA.....	Seattle	Jaccard, Paul A, Engr.....	Malaga
Huhto, Elver, LA.....	Hoquiam	Jacinto, Rafael, Engr.....	Philippines
Hullin, Albert E, Bus.....	Seattle	Jacinto, Vincente Sanchez, Sci.....	Philippines
Hulshouser, Margery, LA.....	Selah	Jacinto, Victorino K, LA.....	Philippines
Huletz, Helen M, LA.....	Seattle	Jackson, Inez Elizabeth, LA.....	Anacortes
Hulbert, Constance A, For.....	Seattle	Jackson, K Elizabeth, Sci.....	Seattle
Hultgren, Elart F, LA.....	Sprague	Jackson, Jesse M Jr, Bus.....	Boise, Ida
Humble, Carolyn J, Sci.....	Hamilton, Mont	Jackson, Lillian, LA.....	Black Diamond
Humphries, Frances, LA.....	Seattle	Jackson, Lota Mae, LA.....	Port Gamble
Humes, Donald, Engr.....	Tacoma	Jackson, Paul J, LA.....	Seattle
Humes, T R, LA.....	Seattle	Jackson, Pauline, Unnat.....	Seattle
Hummel, Merle, Engr.....	Milk River, Can	Jackson, Roy E, Law.....	Portland, Ore
Humphrey, Omar Jr, Bus.....	Seattle	Jackson, R M, For.....	Sunnyside
Humphrey, John, Sci.....	Malton	Jackson, Sidney Herbert, LA.....	Oroville
Humphreys, J R, LA.....	Greenwood	Jackson, Virginia, LA.....	Seattle
Hunt, A Leigh, Sci.....	Seattle	Jacobs, Ann, LA.....	Puyallup
Hunt, Beatrice, LA.....	Kennydale	Jacobs, Josephine J, Jour.....	Seattle
Hunt, Catherine P, FA.....	Spokane	Jacobs, Marguerite, LA.....	Spokane
Hunt, Charles C, Bus.....	Seattle	Jacobs, Victor S, Bus.....	Zillah
Hunt, Ethel L, Grad.....	Burlington	Jacobs, Winifred E, Sci.....	Seattle
Hunt, Frances, LA.....	Tacoma	Jacobsen, Bernhard, LA.....	Seattle
Hunt, Lowell E, LA.....	Tacoma	Jacobsen, Beth, LA.....	Seattle
Hunt, Ruby H, LA.....	Kennydale	Jacobsen, P A, Engr.....	Des Moines
Hunter, Charles Jr, Sci.....	Tacoma	Jacobson, Duncan A, Sci.....	Everett
Hunter, Julia G, LA.....	Seattle	Jacobson, Ida C, Educ.....	Mattoon, Ill
Hunter, Max R, Bus.....	Seattle	Jacobson, Sam S, LA.....	Seattle
Hunter, T Robert, LA.....	Kennewick	Jacobus, Maybelle, Bus.....	Seattle
Hunter, S C, Engr.....	Seattle	James, Alfred D, LA.....	Seattle
Hunter, Stephen C, Engr.....	Seattle	James, Clara, Phar.....	Seattle
Huntington, Dan R, Jr, LA.....	Seattle	James, Flora, Bus.....	Seattle
Hutchinson, George W, For.....	Seattle	James, Flora Alice, Bus.....	Seattle
Hutchison, Howard, Engr.....	Seattle	James, Frank Dexter, LA.....	Seattle
Hurlburt, F M, LA, Thompson Falls, Mt		Jamison, Marguerite, LA.....	Manson
Hurlbut, Harold, Engr.....	Seattle	Jansen, Phyllis L, LA.....	Seattle
Hurlbut, Wendell Jr, LA.....	Spokane	Janson, Raymond, LA.....	Seattle
Hurley, James D, LA.....	Spokane	Janosky, Jor E, Bus.....	Nampa, Idaho
Hurst, Raymond B, LA.....	Seattle	Jarboe, Edna M, Libr.....	Pocatello, Ida
Hurwitz, Simon, LA.....	Seattle	Jarvimaake, Ella F, Sci.....	Seattle
Huston, Francis Edward, Grad.....	Silver Lake	Jarvis, Norman D, Grad.....	Pt Townsend
Hutcheson, Hygh H, Engr.....	Rosalia	Javato, Fernins, LA.....	Philippines
Hutcheson, James M, LA.....	Montesano	Jeffers, Vibert, Bus.....	Olympia
Hutcheson, Nell, LA.....	Seattle	Jeffery, Harold B, Engr.....	Seattle
Hutchins, Lewis R, LA.....	Seattle	Jeffrey, Blanche O, Grad.....	Gifford
Hutchinson, Mary J, FA.....	Seattle	Jeffries, Wendell, Bus.....	Seattle
Hutson, Helen, LA.....	Seattle	Jellison, Arthur J, For.....	Seattle
Hutton, Evelyn I, LA.....	Wallace, Idaho	Jenkins, Lester P, Bus.....	Ellensburg
Hwang, Florence, LA.....	Seattle	Jenkins, May, LA.....	Seattle
Hyde, Edward K, Bus.....	Bellingham	Jenks, T C, Bus.....	Seattle
Hyde, Helga, Sci.....	Seattle	Jenner, Evalene, Engr.....	Arlington
Hyland, Katherine, LA.....	Seattle	Jenner, Melvin A, Engr.....	Arlington
Hyland, Mary A, FA.....	Seattle	Jennerson, H L, Engr.....	Seattle
Hyllengren, Henry, Bus.....	Seattle	Jennings, Elizabeth, LA.....	Seattle
Hyllengren, Tom J, LA.....	Seattle	Jennings, John W, LA.....	Seattle
Hyndman, Beryl K, LA.....	Victoria, Canada	Jensen, Carl D, Sci.....	Seattle
		Jensen, Charlotte, LA.....	Walla Walla
Iba, Hidehorn, Bus.....	Japan	Jensen, J Ebbe, Engr.....	Spokane
Iddin, Earl T, Bus.....	Seattle	Jensen, Ellen Marie, Sci.....	Bellevue
Impola, John, LA.....	Cathlamet	Jensen, Gertrude C, LA.....	Raymond
Impola, Helya, LA.....	Cathlamet	Jensen, George G, Engr.....	Bellevue
Imus, Henry J, LA.....	Kalama	Jensen, G Leslie, Engr.....	Ellensburg
Ines, Narcisco Y, LA.....	Philippines	Jensen, Henrietta, Bus.....	Ellensburg
Ingham, Harry DeWitt, For.....	Seattle	Jensen, Howard R, Bus.....	Spokane
Ingersoll, Oliver R, LA.....	Everson	Jensen, Kai, Grad.....	Seattle
Ingile, Virginia, FA.....	Seattle	Jensen, Leo S, Bus.....	Lynden
Inouye, Matsuna Florence, Sci.....	Seattle	Jensen, Margaret Irene, LA.....	Emmett, Ida
Ireland, Gertrude G, LA.....	Portland, Ore	Jensen, Martha Marie, LA.....	Portage
Irish, E Elizabeth, LA.....	Longview	Jensen, W Melvin, Bus.....	Walla Walla
Irving, Helen C, Sci.....	Seattle	Jensen, Merrill Monroe, Sci.....	Woonsocket, SD
Ivanoff, Nickolas, Bus.....	Seattle	Jensen, Thomas, Educ.....	Seattle
Irwin, Arthur J, Phar.....	Olympia	Jensen, William Stephen, Bus.....	Seattle
Isaac, Elizabeth, LA.....	Seattle	Jessen, Christine, Sci.....	Seattle

Kaufman, Walter, FA.....	Carbonado	Kilkenny, Rose, FA.....	Meppner, Or
Kautz, Bernice, Edu.....	Seattle	Kilkenny, W P, Bus.....	Heppner, Or
Kavanaugh, Clarence E, FA.....	Seattle	Killien, Francis G, LA.....	Lowell
Kavanagh, J A, Fsh.....	Seattle	Kilworth, Wesley, LA.....	Seattle
Kay, Murata, Engr.....	Seattle	Kim, Tehsoor, Engr.....	Korea
Kean, James P, Law.....	Mt Vernon	Kimball, Stanley G, LA.....	Methow
Kearney, Leona M, LA.....	Seattle	Kimball, Orrin H, LA.....	Seattle
Kearus, Margaret, Sci.....	Spokane	Kimball, W A, LA.....	Tacoma
Keating, John D, Bus.....	Seattle	Kimball, W B, LA.....	Seattle
Keilholz, Ralph B, Engr.....	Seattle	Kimple, William A, Sci.....	Seattle
Keith, Elva Ina, LA.....	Seattle	Kimura, Tadao, LA.....	Seattle
Keith, Ted, Engr.....	Battleground	Kimyi, Sato, Engr.....	Seattle
Keilhahn, Edward L, LA.....	Seattle	King, Eleanor N, Sci.....	Seattle
Kelez, George B, LA.....	Seattle	King, Esther, LA.....	Seattle
Kelez, Q Marion, FA.....	Seattle	King, H G, Law.....	Walla Walla
Keller, Edwin, LA.....	Aberdeen	King, Robert M, LA.....	Seattle
Keller, Harold C, Bus.....	Tacoma	King, Winchester, Engr.....	Seattle
Keller, Laurence, LA.....	Olympia	Kingma, Gerben, Engr.....	Oak Harbor
Kelley, Albert H, LA.....	Seattle	Kinkman, Morrison Keith, LA.....	Chelan
Kelley, Blanche J, FA.....	Seattle	Kinnane, Eileen, LA.....	Seattle
Kelley, Lols Carol, LA.....	Seattle	Kinne, Frances E, Grad.....	Seattle
Kelley, Louise V, FA.....	Everett	Kingston, George R, Sci.....	Seattle
Kelley, Warren Thomas, Engr.....	Fall City	Kingston, Ross N, LA.....	Seattle
Kellogg, Dorothy Frances, FA.....	Tacoma	Kinkade, Russell W, LA.....	Forsyth, Mont
Kellogg, Genevieve F, LA.....	Seattle	Kinland, George, Bus.....	Rock Springs, Wyo
Kellogg, Jack E, LA.....	Seattle	Kinsey, Ronald C, LA.....	Seattle
Kellogg, Marian, LA.....	Hoquiam	Kintz, Clyde, LA.....	Seattle
Kellogg, Orlo B, Jr, Law.....	Seattle	Kinyon, Margaret Stephens, Edu.....	Everett
Kellogg, Ruth, LA.....	Seattle	Kinzel, Maurice W, Law.....	Seattle
Kelly, Edgar, Phar.....	Seattle	Kirby, Cleo L, Bus.....	Cle Elum
Kelly, Emmet P, Engr.....	Seattle	Kirk, Douglas G, Bus.....	Everett
Kelly, Evelyn L, Sci.....	Seattle	Kirk, Charles G, LA.....	Seattle
Kelly, Kathryn, LA.....	Seattle	Kirk, Lavern, Bus.....	Bothell
Kelly, Marion, Sci.....	Monitor	Kirk, Thomas B, Engr.....	Snoqualmie Falls
Kelly, Robert A, Engr.....	Seattle	Kirner, John Fowler, Bus.....	Sequim
Kelly, Virginia, LA.....	Walla Walla	Kirker, Ruth, LA.....	Toppenish
Kelshaw, Bonham, LA.....	Seattle	Kirkpatrick, Dahl J, For.....	Randle
Kelso, Clarke Barnett, LA.....	Seattle	Kirsch, John, Bus.....	Seattle
Kelso, Kenneth Kay, LA.....	Seattle	Kirshner, Gussie, LA.....	Seattle
Kemp, Laura Maurine, FA.....	Seattle	Kirshner, Ora, LA.....	Portland, Or
Kemper, Phyllis J, Bus.....	Seattle	Klamke, G Alexis, Sci.....	Port Gamble
Kempster, Elizabeth, LA.....	Seattle	Klans, Chas E, Engr.....	Seattle
Kenison, Juanita, Bus.....	Winthrop	Klatt, Elmer M, Bus.....	Tacoma
Kennedy, Don W, Bus.....	Seattle	Klavon, Marion, Bus.....	Roslyn
Kennedy, E Eloise, Grad.....	Seattle	Kleinlein, Esther, Sci.....	Seattle
Kennedy, Elizabeth, LA.....	Seattle	Kleinlein, Max, Fsh.....	Seattle
Kennedy, Irma E A, FA.....	Tacoma	Klemptner, Ellen, LA.....	Seattle
Kennedy, Wesley M, Engr.....	Seattle	Kling, F Carl, Bus.....	Missoula, Mont
Kennon, Frank W, Engr.....	Monroe	Klinger, Cecelia P, LA.....	Port Townsend
Kent, Vera, Bus.....	Centralia	Klorin, Mark, Sci.....	China
Kenyon, Hazel McBee, LA.....	Seattle	Klock, Helen W, Sci.....	Seattle
Kenyon, Juanita, LA.....	Bremerton	Klose, Hildegard, LA.....	Missoula, Mont
Keplinger, Lawrence M, Law.....	Bellingham	Klotz, Frank, FA.....	Seattle
Kergan, Phyllis Adaline, LA.....	Seattle	Knapton, Florence M, Sci.....	Seattle
Kern, Charlotte H, FA.....	Seattle	Knight, Charles W, Bus.....	Spokane
Kerns, Elmer C, Bus.....	Corfu	Knight, Verna M, FA.....	Seattle
Kerns, Homer, Engr.....	Seattle	Knighton, Blanche, Bus.....	Omak
Kerr, John Leeds, LA.....	Seattle	Kniseley, John M, Engr.....	Seattle
Kerr, William, Bus.....	Seattle	Knittle, Otis, Engr.....	Morton
Kerry, Alvert S, Jr, LA.....	Seattle	Knowles, Chad, Bus.....	Seattle
Kersey, Elmer Virgil, LA.....	Seattle	Knowles, Dale Isabelle, Edu.....	Edmonds
Kerwin, Mary Catherine, FA.....	Seattle	Knouse, Marjorie A, FA.....	Seattle
Kerwin, Ruth, LA.....	Renton	Knox, Elizabeth, Grad.....	Fort Morgan, Colo
Kerzie, August F, Engr.....	Seattle	Knox, Patsy, FA.....	Vancouver
Kesner, Claude, Bus.....	Seattle	Knox, Rozella, FA.....	Seattle
Kessler, Rhea, FA.....	Seattle	Knudsen, Arthur, Fsh.....	Seattle
Ketcham, D, LA.....	Seattle	Knutsen, Clarence, Bus.....	Everett
Ketcham, Mary Virginia, FA.....	Seattle	Knutsen, Delphine, LA.....	St Cloud, Minn
Ketchum, Nadine, LA.....	Spokane	Knutsen, Glynn, Fsh.....	White Salmon
Ketchum, L H, LA.....	Seattle	Knutsen, Louise, LA.....	Seattle
Kettenbach, Wilhelmina, FA.....	Spokane	Knutsen, Ela, Sci.....	Burlington
Kettenring, Grace, Sci.....	Vancouver	Knochevar, Dorothy, LA.....	Enumclaw
Khyvoroff, V, Engr.....	Seattle	Koch, Samuel, Grad.....	Seattle
Kiehl, Clarence L, Bus.....	Livingston, Mont	Koepp, Iris, LA.....	Seattle
Kiehl, Corynn Phyllis, FA.....	Seattle	Koert, Peter, LA.....	Lynden
Kiehl, Harold E, Bus.....	Livingston, Mont	Koester, Anthony C, LA.....	Seattle
Kiehlbauch, Howard W, Sci.....	Sweet Grass Mon	Kohler, Barbara B, Sci.....	Ellensburg
Kiely, John Roche, Engr.....	Tacoma	Kohne, Elliott, Phar.....	Everett
Kilborn, Lawrence, Bus.....	Everett	Koltabashi, Chika, FA.....	Seattle
Kilgras, Care A, Bus.....	Puyallup	Kolva, Elmer C, Min.....	Seattle
Kilgore, Carleton V, LA.....	Seattle	Kokko, Ida, LA.....	Pearson

Kolle, R A, Engr.....	Vancouver, Canada
Kolloen, Lawrence, Fsh.....	Seattle
Kondo, Tokuo, Bus.....	Seattle
Konzo, Seichi, Engr.....	Tacoma
Koshelevsky, Eugene, Engr.....	Seattle
Koepke, Carolyn, Grad.....	Ellensburg
Kopika, Irja, FA.....	Seattle
Koppang, G A, Bus.....	Kallispell, Mont
Korlu, Herman James, Sci.....	Seattle
Korter, Irene, Edu.....	Seattle
Kortman, F Ellard, For.....	Fort Bragg, Cal
Kosier, Adolph S, LA.....	Roy, Mont
Kossiakoff, Ivan, Engr.....	Seattle
Koth, Everett, Sci.....	Odessa
Kotick, Hazel, Phar.....	Tacoma
Kovtunovich, John T, Engr.....	Seattle
Krackenberg, Myra, FA.....	Kirkland
Kraft, Edwin A, Grad.....	Seattle
Kramer, Arthur, Engr.....	Ritzville
Kramer, Ferdinand, LA.....	Ritzville
Krause, August, Engr.....	Seattle
Krauter, Orlo W, For.....	Newport
Kravik, K E, LA.....	Everett
Kreger, George Henry, Engr.....	Tacoma
Kriegel, W Wirth, Engr.....	Seattle
Kristerson, Astrid M, LA.....	Seattle
Kretzinger, Helen M, LA.....	Seattle
Kroetch, Gertrude C, FA.....	Spokane
Kropp, Henry J, Bus.....	Seattle
Krom, David M, Bus.....	Aberdeen
Krugness, Ruth, LA.....	Juneau, Alaska
Krumm, Hulda, LA.....	Woodman, Wis
Kuechenberg, Marie, FA.....	Seattle
Kuchner, Vera M, LA.....	Seattle
Kuhfuss, Helen, Sci.....	Wenatchee
Kullberg, Jule, FA.....	Seattle
Kuniholm, Eugene, Sci.....	Seattle
Kunze, Helen, LA.....	Seattle
Kurakawa, Fume, FA.....	Seattle
Kurth, Edith A, Sci.....	Milwaukee, Wis
Kurz, Gertrude, Bus.....	Seattle
Kvlatkovsky, Boris V, Engr.....	Russia
Kwapil, Dorothy L, LA.....	Seattle
Kyes, James E, Min.....	Seattle
Kyle, James H, LA.....	Seattle
Kynell, Hurlen, Bus.....	Anacortes
LaBrache, Wendell C, LA.....	San Francisco, Cal
Lacey, Thelma Harrison, LA.....	Seattle
Lacklen, Hester C, LA.....	Big Timber Mont
Lacy, Clarence, Bus.....	Lynden
La Farge, Charles A, LA.....	Seattle
La Fromboise, Clarence B, Bus.....	Enumclaw
Lafranchi, Vincent, Engr.....	Seattle
Lahey, Arthur L, For.....	Snoqualmie Falls
Lake, Florence E, LA.....	Spokane
Laidlaw, Lucile, LA.....	Puyallup
Lamb, Bernard V, Sci.....	Spokane
Lambert, Helen M, FA.....	Raymond
Lamson, Joseph V, Jr, Engr.....	Seattle
Landeck, Violet, FA.....	Blaine
Landeen, Herbert A, Bus.....	Seattle
Laudon, H O, LA.....	Seattle
Lane, W Byron, Law.....	Seattle
Lang, Howard M, FA.....	Seattle
Lane, William C, LA.....	Mercer Island
Lang, Joseph W, Engr.....	Yakima
Langdon, Bess, LA.....	Clarksford, Ida
Lange, Bernice, Engr.....	Seattle
Lange, Theodore W, LA.....	Wenatchee
Langford, F T, Engr.....	Spokane
Langelle, Arthur B, Law.....	Seattle
Langelle, J W, BA.....	Seattle
Langlow, Wesley A, Law.....	Tacoma
Langscoy, Aljandro, LA.....	Philippines
Langridge, Robert T, LA.....	Olympia
Langsdorf, Gaynor H, Engr.....	Vancouver
Lanken, Nicolas, Engr.....	Siberia
Lanning, Mabel M, Libr.....	Vancouver, B C
Lanning, R J, Libr.....	Vancouver, B C
Lansdown, Lois, FA.....	Everett
Lansdowne, Elizabeth, Grad.....	Everett
Lanser, John P, LA.....	Seattle
Lanser, Marie, LA.....	Seattle
Lant, Glen, Engr.....	Bellingham
Lantz, Harold G, Bus.....	Spokane
Large, J G, Engr.....	Seattle
La Roque, Rene, For.....	Spokane
Larking, Edward John, Bus.....	Aberdeen
Larlin, Virginia M, Grad.....	Seattle
Larkin, William J, Engr.....	Seattle
Larned, Grant, LA.....	Seattle
Larsen, Lloyd, Engr.....	Portage
Larson, Louis, Engr.....	Lynden
Larson, Alice, FA.....	Puyallup
Larson, Dave R, Bus.....	Seattle
Larson, Eleanor J, LA.....	Seattle
Larson, Elton, FA.....	Long Beach, Cal
Larson, Esther, LA.....	Seattle
Larson, Ilene, LA.....	Seattle
Larson, Nettie, Sci.....	Tacoma
Larson, Oza June, LA.....	Seattle
Larson, Richard C, Bus.....	Seattle
Larson, Wilbur, FA.....	Long Beach, Cal
Lasater, Jane, LA.....	La Center
Lassek, Arthur M, Sci.....	Seattle
Lassfolk, Hazel I, LA.....	Seattle
Lathers, Gladys, Grad.....	Seattle
Lathrop, Grace S, LA.....	Seattle
Latimer, Margaret, LA.....	Seattle
Latimer, Ray N, LA.....	Seattle
Latimer, Vernon, LA.....	Seattle
Latta, Robert N, Bus.....	Seattle
Laube, Florence M, LA.....	Seattle
Lauder, Arthur D, Bus.....	Vancouver, BC
Laubacher, Edith, Sci.....	Seattle
Laubascher, Ruth, LA.....	Seattle
Lauer, C E, Sci.....	Seattle
Laurent, Florence, LA.....	Yakima
Lauri, Armas, Sci.....	Seattle
Lauzon, Romuald K, For.....	Lowell
La Vigne, Dorothy L, LA.....	Seattle
LaVigne, Emilode, Bus.....	Tacoma
La Vigne, Naomi, Grad.....	Seattle
La Ville, Ralph L, LA.....	Seattle
La Vine, Gladys, LA.....	Seattle
Lawen, Amalia A, Edu.....	Seattle
Lawless, Ruth E, Sci.....	Seattle
Lawrence, Anne E, LA.....	Portland, Ore
Laws, Charles, LA.....	Tacoma
Lawshe, Dorothy F, LA.....	Seattle
Lawson, Donald, Bus.....	Tacoma
Lawson, Harry, LA.....	Seattle
Lawson, Sara, LA.....	Seattle
Lawton, Ruth Martha, FA.....	Seattle
Lawwill, Don F, LA.....	Montesano
Layton, Clarence E, LA.....	Tacoma
Layton, Mildred, Sci.....	Tacoma
Lea, William O, Bus.....	Olympia
Leach, Shirley W, Bus.....	Olympia
Leach, Wilma, LA.....	Tacoma
Leaf, Helen V, FA.....	Seattle
Leak, Floyd, Bus.....	Tacoma
Lear, Kathryn M, LA.....	Seattle
Learned, Allan M, LA.....	Hadlock
Lease, Harry Grant, Fsh.....	Tacoma
Leatherwood, William F, LA.....	Burlington
Leavers, L L, LA.....	Wenatchee
Leamon, D Thomas, LA.....	Seattle
Leathers, Arthur L, LA.....	Vancouver
Le Barr, Georges Henri, Sci.....	Seattle
Le Blond, Nedra L, LA.....	Seattle
Le Clair, Howard J, Law.....	Seattle
Le Compte, George A, Sci.....	Shelton
Le Compte, M, Bus.....	Lynden
Lee, A L, Law.....	Seattle
Lee, Arthur L, Fsh.....	North Bend
Lee, Burling V, Sci.....	Spokane
Lee, Charles L, Bus.....	Montesano
Lee, Elsie, Sci.....	China
Lee, Evelyn R, Bus.....	Ritzville

Lee, Frank A. Grad.....	Seattle	Lincoln, Roland L. Engr.....	Seattle
Lee, Ian Tek, LA.....	Formosa	Lincoln, Zalda, Sci.....	Seattle
Lee, Mrs Judith, LA.....	Seattle	Lindblad, Emil E, Bus.....	Bellingham
Lee, Robert J. Engr.....	Seattle	Lindblom, Roy E. Grad.....	Seattle
Lee, Virginia J. FA.....	Seattle	Lindgren, Bert E. Fsh.....	Woodinville
Lee, Yuen T. Sci.....	Chilua	Lindh, A G, For.....	Brush Prairie
Leebhoff, Herbert, LA.....	Seattle	Lindh, Nels G, For.....	Sultan
Legg, Dorothy E, LA.....	Seattle	Lindholt, Eric N, LA.....	Seattle
Legg, Audrey, LA.....	Seattle	Lindholt, Beulah, Sci.....	Seattle
Lehle, Raymond C, Engr.....	Seattle	Lindley, William, LA.....	Olympia
Lehky, Beatrice, FA.....	Seattle	Lindholdt, Alfred, LA.....	Seattle
Lehman, Arnold J, Grad.....	Seattle	Lindman, Bertram H, Engr.....	Seattle
Leldy, Eugene, Bus.....	Toppenish	Lindsay, Arthur, Bus.....	Seattle
Leledecke, Margene C, FA.....	Kent	Lindsay, Ralph, For.....	Olympia
Leight, William Earl, Bus.....	Seattle	Lindsey, Joaquin, For.....	Seattle
Leighton, Roy S. Bus.....	Seattle	Lindsedt, O H, Edu.....	Bellingham
Leithe, Erick M, LA.....	Seattle	Linan, Vernon, Engr.....	Sumas
Lelke, Helen C, Bus.....	Seattle	Ling, Setek, Fsh.....	Philippines
Leitch, Marjorie, FA.....	Seattle	Link, Milton A, Bus.....	Seattle
Leithend, Robert C, Engr.....	Seattle	Linton, Geraldine, LA.....	Seattle
Leitner, Leopold, Engr.....	Seattle	Linton, Mary, Sci.....	Seattle
Leimcke, Agnes, LA.....	Seattle	Lippincott, Crapin, LA.....	Seattle
Leinenager, Raymond, Bus.....	Seattle	Lippmann, Edith, Jour.....	Seattle
Leinley, Lyle, Bus.....	Tacoma	Lievsey, Jack L, LA.....	Seattle
Lemon, Joseph F, LA.....	Skamania	Lipina, Tamara, Phar.....	Seattle
Leinuel, Ross L, Bus.....	Woodland	Lippy, John E, FA.....	Harper
Le Neve, Nina, Sci.....	Seattle	Lipski, Anthony P, Sci.....	Old Forge, Pa
Lenkaemper, Miriam S, Edu.....	Brooklyn	Lister, George V, Bus.....	Seattle
Lenrud, Mrs Mabel, LA.....	Seattle	Listname, Grace, LA.....	Yakima
Lenihan, Emmett G, Grad.....	Seattle	Little, Agnes, LA.....	Emmett, Ida
Leon, Gordon H, Sci.....	Seattle	Little, Earle B, Bus.....	Chelan
Leonard, Arthur L, LA.....	Seattle	Littlefield, Lena, FA.....	Seattle
Leonard, Audrey M, LA.....	Port Angeles	Lively, Morris U, Grad.....	Seattle
Leonard, Gordon O, Bus.....	Seattle	Lively, Phillip M, Bus.....	Portland
Leonard, Olive, FA.....	Seattle	Lloyd, Percy, Bus.....	Everett
Leong, Kingfrankton F, Engr.....	China	Llewellyn, Fred W, Engr.....	Seattle
Leong, Stephen, LA.....	Portland, Ore	Lochte, William, Engr.....	New Orleans, La
Lermond, Helen, LA.....	Seattle	Lockard, Louise, LA.....	Seattle
Lesh, Anna V, LA.....	Ellisport	Lockitch, P. A, Bus.....	Seattle
Leslie, Anna, LA.....	Seattle	Lockwood, Marie, LA.....	Seattle
Lester, Verna May, LA.....	Miles City, Mont	Loe, Elsie, LA.....	Seattle
Leslie, Marian C, LA.....	Spokane	Loevenstein, Elizabeth, LA.....	Yakima
Lewis, Adelaide, LA.....	Seattle	Lofffield, Gabriel, Grad.....	Seattle
Lewis, Chas H, Phar.....	Seattle	Lofgren, Frederick V, Grad.....	Seattle
Lewis, Clarke R, LA.....	Aberdeen	Logan, Marjorie, LA.....	Seattle
Lewis, Clyde L, LA.....	Raymond	Logan, Lorna, LA.....	Seattle
Lewis, Edward M, Engr.....	Seattle	Logan, Robert W, LA.....	Seattle
Lewis, George Wm, FA.....	Seattle	Logg, Florence M, Phar.....	Seattle
Lewis, Grace, LA.....	Seattle	Lohman, Robert, Engr.....	Seattle
Lewis, Hubert P, Bus.....	Aberdeen	Lohnse, Dorothy E, Bus.....	Seattle
Lewis, John A, Bus.....	Seattle	Loncke, Madeleine, Bus.....	Sumner
Lewis, Lloyd, Engr.....	Seattle	Lohse, Louise, LA.....	Seattle
Lewis, Marjory, Grad.....	Seattle	Loken, Clarice, FA.....	Seattle
Lewis, Winifred, Sci.....	Seattle	Lombard, Eunice W, LA.....	Yakima
Lewis, Palmer G, Engr.....	Seattle	Lombard, Henry Jr, LA.....	Yakima
Lewis, Porter, LA.....	Seattle	Lombardine, Estelle, LA.....	Seattle
Lewis, Rubin, Grad.....	Seattle	Lomon, Mrs Augusta, LA.....	Seattle
Lewis, Mrs Stella V, LA.....	Seattle	London, F M, LA.....	Wenatchee
Lewis, Wilma, LA.....	Seattle	Loneragan, Thyra, LA.....	Seattle
Lov, Lester L, LA.....	Los Angeles, Cal	Loners, Harry, FA.....	Seattle
Levinson, Sol, Phar.....	Seattle	Long, James G, Eng.....	Seattle
Levitin, Morris, Engr.....	Seattle	Long, Stanley B, Law.....	Chenhalls
Levy, Carolyn W, LA.....	Seattle	Long, Sylvester J, LA.....	Edmonds
Levy, Harold P, LA.....	Seattle	Long, Wm D, Bus.....	Aberdeen
Levy, Leah B, LA.....	Seattle	Longabaugh, Carol, Bus.....	Seattle
Levy, Leah F, FA.....	Seattle	Longenbaugh, May Moore, LA.....	Seattle
Levitin, Isaac, Bus.....	Seattle	Longbottom, Florence, LA.....	Seattle
Lewkowitz, Dorothy, LA.....	Spokane	Longhelm, Alton M, LA.....	Seattle
Lewis, Alice M, Grad.....	Seattle	Loosonoff, V. Fsh.....	Seattle
Leyman, Garnett, FA.....	Seattle	Lopp, Ellen K, LA.....	Seattle
Libbee, Frances, FA.....	Seattle	Lorah, James R, Grad.....	Seattle
Libby, Annie Elizabeth, Sci.....	Kelso	Lord, Helen E, LA.....	Olympia
Libby, Francis S, LA.....	Seattle	Lorer, Joe M, Bus.....	Clarkston
Libert, Norman F, Phar.....	Spokane	Lormor, Lurline F, FA.....	Seattle
Lievsey, J Leon, LA.....	Seattle	Longhead, Eleanor M, Edu.....	Seattle
Lighthouse, Henry A, LA.....	Seattle	Louge, Richard W, Sci.....	Seattle
Ligbrite, Leo, Sci.....	Seattle	Lough, Sydney, Engr.....	Tacoma
Lillesoe, Obert M, Engr.....	Seattle	Louie, Stanley, Phar.....	Seattle
Lillibridge, Glenn A, FA.....	Seattle	Louis, Lillian, LA.....	Benton, Ill
Lillquist, Elma, LA.....	Seattle	Louis, Victoria F, LA.....	Benton, Ill
Limbach, Dorothy H, Sci.....	Seattle	Love, Agnes I, FA.....	Snohomish

Lovejoy, Cecyl B, Grad.....	Seattle
Loving, Eleanor, LA.....	Camp Lewis
Loving, Lucille, Sci.....	Clear Lake
Loving, Mariann, LA.....	Camp Lewis
Lowden, Sammis, Law.....	Seattle
Lowe, Carl M, LA.....	Arlington
Lowman, J Guy, Edu.....	Seattle
Lowenstein, Bernard, Bus.....	Seattle
Lowrie, Ruth A, Sci.....	Seattle
Lowry, Del Edward, LA.....	Seattle
Lowry, Edmund, Bus.....	Chehalis
Lowry, Knight, LA.....	Seattle
Lowry, Lewis, Engr.....	Seattle
Loytham, Maurita, LA.....	Blaine
Lucas, Eustaquio L, Engr.....	Philippines
Lucas, Clarence, Fsh.....	Seattle
Lucas, Marcelo, Bus.....	Philippines
Lucas, Marian M, Sci.....	Victoria, Can
Lucas, Oscar C, Sci.....	Seattle
Luce, Daisy, Sci.....	Seattle
Lucken, Dorothy, Sci.....	Kelso
Luckerath, Carl, LA.....	Seattle
Ludington, Kathryn, LA.....	Wenatchee
Ludwig, Eugene F, Engr.....	Seattle
Ludy, Virginia, Bus.....	Wenatchee
Lucchen, Carl A, Sci.....	Spokane
Lumbard, Roy M, LA.....	Seattle
Lunbeck, Ernest Jr, LA.....	Seattle
Lund, John G, Law.....	Seattle
Lund, John V, Jour.....	Seattle
Lund, Leonard, Bus.....	Edmonds
Lund, Robert, Bus.....	Spokane
Lunde, Helen, Sci.....	Poulsbo
Lundquist, Ellen, Phar.....	Seattle
Lundy, Olivia, LA.....	Richardson
Lunger, Archie, Engr.....	Everson
Lungreen, Edith, Grad.....	Seattle
Lunke, James R, LA.....	Bainville, Mont
Lunn, Lois, FA.....	Seattle
Lunnun, Anna J, LA.....	Silvana
Lunnun, Knut, For.....	Silvana
Lurie, Elise M, LA.....	Seattle
Lurie, Manuel A, Law.....	Seattle
Lutzy, W Glen, LA.....	Seattle
Lutz, Helen, FA.....	Seattle
Lycette, Edythe E, FA.....	Spokane
Lynch, Elizabeth, LA.....	Seattle
Lynch, Gertrude, LA.....	Seattle
Lynch, Herbert, Sci.....	Yakima
Lynch, Kenneth, LA.....	Seattle
Lynch, Margaret J, LA.....	Yakima
Lynch, Patricia, LA.....	Seattle
Lynch, Thomas C, Grad.....	Seattle
Lynn, Austin, Bus.....	Seattle
Lynn, Elliv, For.....	Oak Harbor
Lyons, Anne, LA.....	Seattle
Lyons, Anne Margaret, LA.....	Walla Walla
Lyon, Barbara, LA.....	Burlingame, Cal
Lyons, James F, Bus.....	Seattle
Lyons, Mary, FA.....	Seattle
Lyons, Perry Jr, Bus.....	Seattle
McAllister, Charles L, LA.....	Seattle
McAllister, Geraldine, LA.....	Seattle
McAnally, Carrie, LA.....	Yakima
McAneny, John, Engr.....	Seattle
McAuliffe, Chester F, Mines.....	Seattle
McArthur, Josephine Eleanor, LA.....	Seattle
McArthur, Kenneth Robert, LA.....	Seattle
McArthur, Wendell, Phar.....	Seattle
McAssey, Dollie, Sci.....	Seattle
MacAulay, John F, For.....	Chicago, Ill
MacAulay, Martha, LA.....	Yakima
MacBain, Keith, Engr.....	Everett
McBee, Marian, Grad.....	Seattle
McBride, Katherine, Educ.....	Berkeley, Cal
McBride, Miriam, LA.....	Juneau, Alaska
McCabe, Charles F, Engr.....	Conway
McCall, Elizabeth, LA.....	Pixley, Cal
McCallum, Donald Sinclair, LA.....	Sumner
McCane, Ames, Engr.....	Seattle
McCann, Helen R, LA.....	Edmonds
McCann, Joseph, Bus.....	Edmonds
McCann, Mable, FA.....	Lewiston, Ida
McCanne, Gertrude, FA.....	Seattle
McCannel, Kenneth C, For.....	Victoria, BC
McCart, Ethel, LA.....	Pt Angeles
McCart, Thelma L, LA.....	Pt Angeles
McCarthy, Corrinne E, LA.....	Kelso
McCarthy, Margaret, LA.....	Seattle
McCartney, Francine, LA.....	Seattle
McCarty, Kenneth, Bus.....	Seattle
McCarty, Ruth E, LA.....	Seattle
McCartney, L D, Engr.....	Cedar Falls
McCaskill, Margaret, FA.....	Seattle
McCausaland, E R, Engr.....	Pt Townsend
McClain, Dorothy, FA.....	Seattle
MacClain, A Lewis, Grad.....	Seattle
McClane, Ray Wilbir, Engr.....	Pt Townsend
McClarren, Donald W, Engr.....	Seattle
McClarren, Ralph H, Engr.....	Seattle
McClarty, Bert John, Bus.....	Olympia
McCleary, John H, LA.....	Olympia
McCleary, John H, LA.....	Olympia
McCleary, Martha McCartney, LA.....	Olympia
McClelland, Frances Eugenie, LA.....	Seattle
McClelland, Victor H, FA.....	Seattle
McCloud, Walter E, Bus.....	Seattle
McClure, Charles Willard, FA.....	Seattle
McColloch, Wm H Jr, Bus.....	Seattle
McConkey, Roy C, Phar.....	Shelton
McComas, Stanley, For.....	Anacortes
McCormick, Grace, Sci.....	Pinehurst
McCormick, Mary, Bus.....	Pinehurst
McCormick, William, Bus.....	Seattle
McCormick, Wm Earl, Sci.....	Seattle
McCoubrey, Arthur M, Edu.....	Seattle
McCown, R F, Engr.....	Waitsburg
McCracken, George, Bus.....	Seattle
McCrary, Ward R, For.....	Merril, Wis
McCroskey, Jean, LA.....	Colfax
McCrum, John D, Grad.....	Ft Collins, Colo
McCush, George, Law.....	Bellingham
McCush, Lillian, FA.....	Bellingham
McCutchan, Jack Vernon, Sci.....	Keokuk, Ia
McDermott, Paul F, LA.....	Pateros
McDermott, Mildred, LA.....	Pateros
Macdonald, Aristelle, FA.....	Seattle
McDonald, John H, For.....	Clippert
Macdonald, Barbara, FA.....	Tieton
Macdonald, Clifford B, LA.....	Seattle
MacDonald, Cecelia, LA.....	Seattle
MacDonald, Don, Bus.....	Renton
MacDonald, Donald N, FA.....	Seattle
MacDonald, Ellis, Sci.....	Vancouver
MacDonald, Georgene, LA.....	Seattle
MacDonald, Gordon, Bus.....	Cheney
MacDonald, Hallie L, Sci.....	Yakima
MacDonald, Jessie G, Bus.....	Seattle
Macdonell, James, LA.....	Bellingham
Macdonald, John W, Engr.....	Seattle
MacDonald, Louise, Grad.....	Seattle
MacDonald, Margaret, LA.....	Tieton
MacDonald, Richard Crosby, LA.....	Seattle
MacDonald, Verna A, Sci.....	Vancouver, BC
McDonnell, Audrey, LA.....	Seattle
McDonough, Beaudette, LA.....	Seattle
McDonough, Raphael C, Grad.....	Seattle
McDonough, Otto G, Grad.....	Seattle
McEachern, Marian, LA.....	Seattle
McEacheran, Mary, FA.....	Seattle
McEachran, Stanley, LA.....	Tacoma
McElhaney, Marie, FA.....	Seattle
McElhaney, Ross C, Bus.....	Bremerton
McElroy, Richard H, Engr.....	Seattle
McElvain, Ernest E, FA.....	Spokane
McEntyre, Alice Marie, LA.....	Seattle
McEntyre, Geo J Jr, Engr.....	Seattle
McFadden, David J, Jour.....	Bremerton
McFall, Thelma, LA.....	Everett
McFarlane, A J, Bus.....	Seattle

McFarlane, Peter, Bus.....	Renton	McLean, Laura, LA.....	Seattle
McFarland, Charles W, For.....	Mt Vernon	McLean, Martin Jr, LA.....	Seattle
McFarlane, Zora, Sci.....	Seattle	McLees, Kenneth, Bus.....	Meadowdale
McFee, Louisa, LA.....	Seattle	McLellan, A Eugenia, LA.....	Seattle
McGary, Frank L, LA.....	Seattle	McLennan, Susan, Grad.....	Edmonton, Alta
McGee, Elizabeth, FA.....	Yakima	McLeod, Cleo R, FA.....	Everett
McGibbon, Erlen, Edu.....	Seattle	McLeod, Malda, FA.....	Everett
McGibbon, Donald T, Bus.....	Seattle	McLeod, Nell K, Law.....	Seattle
McGibbon, John P, LA.....	Seattle	MacLeod, Ray N, Phar.....	Seattle
McGill, Alice, Sci.....	Seattle	McLeod, Sarah H, LA.....	Portland, Or
McGill, E J, Bus.....	Seattle	McLeown, Mary Virginia, LA.....	Seattle
McGill, Ruth, LA.....	Seattle	MacMahon, Charles E, Engr.....	Seattle
McGlinn, John P, LA.....	Bellingham	McMaster, Frances, Sci.....	Vancouver
McGinn, Laura E, LA.....	San Mateo, Cal	McMeans, Elizabeth, LA.....	Seattle
McGinnis, Edith A, FA.....	Seattle	McMeans, Ann T, LA.....	Seattle
McGoldrick, Jack H, Bus.....	Vancouver	McMeans, R W, LA.....	Seattle
McGowan, Edward H L, LA.....	Bremerton	McMeekin, Florence, LA.....	Seattle
McGovern, Foster L, Grad.....	Seattle	McMillan, John R, Bus.....	Butte, Mont
McGrady, Patrick, Sci.....	Seattle	McMonagle, Alberta D, LA.....	Seattle
McGrath, Gertrude, LA.....	Sitka, Alaska	McMullen, E Lyle, LA.....	Tacoma
McGrath, J Winton, Bus.....	Ephrata	McMullen, Jim, Sci.....	Seattle
McGraw, Ena K, Phar.....	Tacoma	McMullen, E Lyle, LA.....	Tacoma
McGregor, Ellen, Libr.....	Kent	McMullen, Joseph Ed, Bus.....	Seattle
McGuire, Grace A, FA.....	Seattle	McMullen, R B, Engr.....	Seattle
McGuinness, Charles D, Bus.....	Snohomish	McNair, Horace, Bus.....	Aberdeen
McGuinis, Mary A, FA.....	Seattle	McNamara, J A, Bus.....	Tacoma
MacHarrie, Lindsay, LA.....	Seattle	McNamara, Robert F J, Phar.....	Seattle
McHugh, Elleen, LA.....	Seattle	McNary, Catherine, LA.....	Pendleton, Ore
McIlvain, Dorothy Salome, FA.....	Seattle	McNee, W Wade, For.....	Randle
McIlvaith, Mervyn C, Engr.....	Seattle	McPhee, John Murray, LA.....	Naches
McIntosh, Edith Alice, Edu.....	Anoka, Minn	McPherrin, Bernice Margaret, Bus.....	Seattle
McIntosh, Gertrude M, LA.....	Seattle	MacPherson, Donald, Engr.....	Seattle
McIntosh, Kenneth C, Bus.....	Everett	McPherson, Joe E, LA.....	Brewster
McIntosh, Loys, FA.....	Kent	McPherson, Mildred, FA.....	Seattle
MacIntyre, Alexander J, LA.....	Pt Alherm, BC	McPherson, William Clark, Bus.....	Seattle
McIntyre, Charles, LA.....	Seattle	McQuaid, Alice E, Libr.....	Grand Mound
Maciver, Doris C, Edu.....	Naches	McQuesten, Roseanna, Bus.....	Tacoma
McKay, Alice, LA.....	Spokane	McRae, Ruth, LA.....	Seattle
McKay, Elizabeth, Sci.....	Seattle	McRoberts, Dona, Sci.....	Spokane
McKay, Herndon, Bus.....	Spokane	McRory, Orral Beverly, Sci.....	Seattle
McKay, Larabel, LA.....	Spokane	MacTaggart, Eunice, LA.....	Seattle
McKechan, Charles F, Grad.....	Seattle	MacNaught, Donald F, Sci.....	Seattle
McKee, Clarence I, Bus.....	Seattle	MacPherson, Kenneth, LA.....	Brewster
McKee, Lynne G, Fsh.....	Bellingham	McVay, John N, LA.....	Seattle
McKelvey, Muir, Bus.....	Seattle	McVay, Doris E, LA.....	Seattle
McKenney, Margaret, LA.....	Hoquiam	McVay, Irvin I, Bus.....	Seattle
McKenzie, Anne E, LA.....	Tacoma	McWalter, Jack, Bus.....	Seattle
McKenzie, Edward G, Edu.....	Vancouver, BC	Maas, Johanneette, LA.....	Seattle
McKenzie, Earl, Edu.....	Seattle	Maas, Milton L, Engr.....	Seattle
McKenzie, Helen, LA.....	Colfax	Mace, Neal S, Bus.....	Clarkston
McKenzie, Kenneth D, Bus.....	Seattle	Mace, William M, Bus.....	Clarkston
McKenzie, W A, Engr.....	Seattle	Macomber, F Glenn, Edu.....	Seattle
McKeoguc, Florence W, LA.....	Seattle	Macomber, Leone F, Edu.....	Seattle
McKibbin, E D, Bus.....	Sunnyside	Macomber, Ray Burns, Bus.....	Seattle
McKibben, Kenneth, Bus.....	Almota	Mack, George C, Engr.....	Seattle
McKiddy, Pauline, LA.....	Auburn	Mack, Lorena, FA.....	Longview
McKinlay, Frank, Engr.....	Seattle	Mackoff, Samuel, Bus.....	Spokane
MacKinnon, Donald, Bus.....	Seattle	Macrae, Donald H, Sci.....	Seattle
MacKinnon, K S, LA.....	Seattle	Madamba, Victorino, Engr.....	Seattle
MacKinnon, Alexander, Sci.....	Sydney, NS	Madigan, Le Roy, LA.....	Seattle
MacKinnon, Anabel, FA.....	Spokane Bridge	Madison, L O, Sci.....	Osborne, Kan
MacKintosh, Jean, LA.....	Seattle	Mae, Barney, FA.....	Seattle
McKinstry, Gordon, Bus.....	Seattle	Mage, Jack D, Engr.....	Seattle
McKnight, Ellen, LA.....	Renton	Mage, C Minor, FA.....	Seattle
McKnight, J Alice, LA.....	Seattle	Magee, J Homer, LA.....	Seattle
McKnight, Merrill O, LA.....	Olympia	Magel, Conrad, Bus.....	Centralia
Mac Lacklan, Merie, Phar.....	Seattle	Maginnis, Helen M, LA.....	Seattle
McLallen, John, For.....	Columbia City, Ind	Maginnis, William J, Bus.....	Seattle
McLean, Archibald M, Bus.....	Ft Stellacoom	Magnuson, C W, Phar.....	Seattle
McLean, Ellsworth, For.....	Cowiche	Maher, Marian, LA.....	Sequim
Mac Lanahan, Margaret, LA.....	Butte, Mont	Mahone, Lena L, LA.....	Seattle
McLaren, Marian Esther, LA.....	Spokane	Mahoney, Katherine, LA.....	Seattle
McLaughlin, Catherine, LA.....	Seattle	Mahoney, Phillip, Law.....	Seattle
McLaughlin, Frances Raberge, Law.....	Seattle	Mahoney, Mary O, LA.....	Seattle
McLaughlin, Harold M, Engr.....	Spokane	Main, Carroll, LA.....	Seattle
McLaughlin, Helen York, Edu.....	Seattle	Main, Clara, FA.....	Sunnyside
McLaughlin, Madeleine, LA.....	Seattle	Main, Frank W, LA.....	Seattle
McLaughlin, R H, Engr.....	Kirkland	Major, Anna M, FA.....	Seattle
McLaughlin, William Lewis, Engr.....	Seattle	Major, Donald M, Jour.....	Walla, Ore
McLean, D G, Engr.....	Seattle	Major, Elva Ruth, Bus.....	Hoquiam
McLean, George, Bus.....	Hoquiam	Major, Georgia E, Sci.....	Seattle

Major, Sidney W, LA.....	Seattle	Marwood, Hazel, LA.....	Seattle
Makino, M, Bus.....	Seattle	Masaji, Nakata, Engr.....	Bellevue
Mallery, Joseph A, Law.....	Seattle	Maslan, Aaron L, LA.....	Seattle
Mallett, Catherine, FA.....	Seattle	Masojiro, Tomita, Bus.....	Seattle
Mallett, John, Engr.....	Yakima	Masl, Elizabeth V, LA.....	Mt Vernon
Mallon, Maruel L, FA.....	Seattle	Maslan, Ben A, Law.....	Seattle
Malmgren, Marie H, Sci.....	Phoenix, Or	Mason, Blana, Edu.....	Cheney
Malone, A P, Bus.....	Portland, Or	Mason, Robert H, Bus.....	Seattle
Malinao, Delfin, LA.....	Philippines	Massar, Anna, Bus.....	Mt Vernon
Malone, C V, Bus.....	Everett	Massar, Marjorie, Bus.....	Mt Vernon
Maloney, Edward C, LA.....	Skykomish	Mather, Mildred C, Sci.....	White Salmon
Maloney, Patricia, LA.....	Seattle	Matlock, Charles Orin, Bus.....	Portland, Ore
Maloney, Peter J Jr, LA.....	Seattle	Matheson, Margaret J, LA.....	Seattle
Maltby, Doris, LA.....	Seattle	Matheson, Margaret L, LA.....	Seattle
Maltby, Kathleen, Bus.....	Seattle	Mathewson, Edward W, For.....	Seattle
Manfred, Nicholas A, Engr.....	Irvin	Mathewson, Mark, LA.....	Shelton
Maugrum, Richard C, LA.....	Seattle	Mathewson, Nancy U, LA.....	Seattle
Manion, Joseph B, Bus.....	Seattle	Mathis, Jess, Sci.....	Granger
Manley, Marion R, LA.....	Tacoma	Mathy, Norris, Engr.....	Monroe
Manley, Catherine B, LA.....	Seattle	Mathus, Clinton, Law.....	Seattle
Munn, Charles Costello, Fsh.....	Seattle	Mathus, Herbert, Bus.....	Seattle
Mann, Hubert A, LA.....	Concordia, Kans	Mathews, Alec, LA.....	Seattle
Mann, Harold N, LA.....	Concordia, Kan	Mathews, James B, Bus.....	Seattle
Manning, Jane, LA.....	Helena, Mont	Mathews, Corwin D, LA.....	Spokane
Manning, Robert S, Bus.....	Seattle	Mathews, John G, Jr, LA.....	Seattle
Mansfield, Allan H, LA.....	Everett	Mathews, Gwlad, LA.....	Seattle
Mansfield, Charles, Bus.....	Tacoma	Matson, Elmer, For.....	Lake Stevens
Mansur, Howard H, Engr.....	Ellensburg	Matsuzawa, Fumio, LA.....	Seattle
Manson, Albert E, LA.....	Seattle	Mattecheck, Robert J, Bus.....	Seattle
Manthey, Isabel, Sci.....	Seattle	Mattila, Walter, LA.....	Woodland
Manthey, Marie C, Grad.....	Seattle	Matsen, Roy, Sci.....	Bickleton
Mantor, George C, LA.....	Seattle	Mattison, Elsie, LA.....	Seattle
Maravilla, Ricardo V, Min.....	Philippines	Mattmueller, Eleanor, Sci.....	Seattle
Mar, S T Reginald, LA.....	Seattle	Mattson, Sylvia M, LA.....	Tieton
March, James H, Bus.....	Seattle	Mattson, Margaret, LA.....	Seattle
March, Martha Jane, LA.....	Aberdeen	Matsui, Hirobumi, Sci.....	Seattle
Marchand, Ernest, Grad.....	Seattle	Matzner, Martha, LA.....	Brazil
Marcus, Fred, LA.....	Seattle	Maulsby, Dent, For.....	Everett
Mariano, Pio, Sci.....	Laog, P I	Maxcy, John D, Sci.....	Du Pont
Marick, Louis, Grad.....	Butte, Mont	Maxey, Marie E, FA.....	Aberdeen
Marion, Lucien F, LA.....	Seattle	May Louis B, For.....	Seattle
Mark, Ellison, Engr.....	Bellingham	Maydahl, Berquete, Sci.....	Spokane
Mark, W W, Bus.....	Mercer Island	Mayer, Alexander, R.....	Seattle
Markey, Evelyn R, Sci.....	Seattle	Maylor, Howard L, Bus.....	Oak Harbor
Markey, Frank, Engr.....	Seattle	Mayfield, Albert R, LA.....	Seattle
Markey, Grace, LA.....	Seattle	Mayhew, Isabella, Edu.....	White Salmon
Markey, W C, Engr.....	Seattle	Maylor, Marc L, Bus.....	Seattle
Markham, Blanche E, Grad.....	Seattle	Mayrand, Anita, LA.....	Seattle
Markus, Edythe Joyce, LA.....	Seattle	Mazna, Florence, LA.....	Spokane
Markus, Felix, Bus.....	Seattle	Meacham, Larned, Engr.....	Seattle
Marple, Elliot, LA.....	Seattle	Meagnew, Jane, LA.....	Seattle
Marr, Frederick G, Phar.....	Tacoma	Meagher, Vivian A, Bus.....	Seattle
Mars, Annice, Bus.....	Snohomish	Meaker, Marian E, Grad.....	Seattle
Marsh, Doris V, LA.....	Arlington	Meany, Edmond, Jr, LA.....	Seattle
Marsh, Harold Burton, LA.....	Seattle	Meckstroth, Carl W, Bus.....	Seattle
Marsh, Lillian A, Sci.....	Arlington	Medler, Dan, LA.....	Seattle
Marsh, Leon Deane, LA.....	Seattle	Medler, Louisa A, LA.....	Seattle
Marsh, Paul F, LA.....	Seattle	Meeker, Ethel, Sci.....	Seattle
Marsh, Shirley R, Law.....	Kelso	Meeks, Anastasta, Sci.....	Seattle
Marshall, Burt W, Bus.....	Seattle	Mehlhorn, Eleanore, LA.....	Seattle
Marshall, B M, Jr, Sci.....	Eureka, Cal	Mehner, Esther, Bus.....	Bremerton
Marshall, H L, Engr.....	Seattle	Melnest, Helen, FA.....	Seattle
Martens, Aleda, Phar.....	Seattle	Meister, Roy E, Bus.....	Seattle
Martina, John D, Bus.....	Seattle	Melang, Bjorn L, Engr.....	Seattle
Martin, Alfred E, Phar.....	Seattle	Melby, Mildred, LA.....	Seattle
Martin, A W, Jr, Engr.....	Seattle	Melcher, Gladys Fern, Sci.....	Seattle
Martin, Bertha, Bus.....	Seattle	Melder, F Eugene, Bus.....	Seattle
Martin, Carl L, Sci.....	Seattle	Mellingner, Martha J, Sci.....	Tacoma
Martin, Carolyn S, FA.....	Seattle	Melnikoff, F, LA.....	Seattle
Martin, Ernest S, LA.....	Seattle	Melsom, Ed S, Fsh.....	Seattle
Martin, Glenn C, LA.....	Spokane	Melsom, Lelf S, Sci.....	Seattle
Martin, George M, Engr.....	Mabton	Melson, Nelle Jeffcott, Edu.....	Seattle
Martin, Humbert M, Bus.....	Centralla	Melson, Ray C, Bus.....	Seattle
Martin, John R, LA.....	Seattle	Menard, A J, Min.....	Seattle
Martin, Roy, Jr, LA.....	Seattle	Menke, Henry C, Bus.....	Merced, Cal
Martin, Stella, LA.....	Seattle	Montz, Wilks, Jr, LA.....	Aberdeen
Martin, W Stanton, Engr.....	Seattle	Morcer, Elsie Mae, LA.....	Bremerton
Martin, Trula, FA.....	Seattle	Merchant, Hollis, Engr.....	Mt Vernon
Martin, Wilmet, FA.....	Aberdeen	Mercy, Frederick Jr, Bus.....	Yakima
Martincevic, Patricia, LA.....	Seattle	Merrifield, Lee, LA.....	Seattle
Martinson, Joseph M, LA.....	Carnation	Merigold, Florence E, FA.....	Kallapel, Mont

Merrick, D G, LA.....	Seattle	Miller, Mervyn B, Grad.....	Seattle
Merrill, Elliott, Engr.....	Seattle	Miller, Paul H, Bus.....	Yakima
Merrill, John E, Bus.....	Seattle	Miller, J Lyle, Bus.....	Seattle
Merritt, Dorothy E, LA.....	Seattle	Miller, Lecll C, Sci.....	Seattle
Merritt, Ronald A, Engr.....	Seattle	Miller, Leonard, FA.....	Bellingham
Mertsching, C R, Bus.....	Oregon	Miller, Marle, LA.....	Seattle
Mesford, Adolph, Bus.....	Anacortes	Miller, Nancy Ann, LA.....	Seattle
Mesher, Mose, LA.....	Seattle	Miller, Paul Warren, Bus.....	Puyallup
Messer, Elizabeth B, Sci.....	Seattle	Miller, T K, Engr.....	Waterville
Metcalfe, G E, Law.....	Seattle	Miller, Vivian, LA.....	Vancouver
Metcalf, Kathryn M, LA.....	Yakima	Miller, Wilbur L, LA.....	Spokane
Metcalfe, Mae, FA.....	Phillipsburg, Mont	Millman, Leonard G, LA.....	Seattle
Mettel, Evelyn, Sci.....	Seattle	Millman, Wendell, Sci.....	Seattle
Mettler, Gordon, LA.....	Seattle	Million, Carroll, Bus.....	Seattle
Metz, Reas, LA.....	Seattle	Millitt, Floyd A, Engr.....	Seattle
Meyer, Grant E, Bus.....	Chehalis	Mills, Catherine S, LA.....	Seattle
Meyer, Harold, Sci.....	Oalla	Mills, Eileen E, LA.....	Seattle
Meyer, Hattie, Sci.....	Seattle	Mills, George, Bus.....	Olympia
Meyer, Herman H, Grad.....	Seattle	Mills, Gertrude R, LA.....	Seattle
Meyer, Paul E, Engr.....	Quincy, Ill	Mills, Mabel, LA.....	Seattle
Meyer, Irene Viola, LA.....	Seattle	Mills, Marion Grace, LA.....	Seattle
Meyer, Maude J, LA.....	Seattle	Mills, Merritt G, LA.....	Olympia
Meyers, Harry T, FA.....	Spokane	Mills, Orville, LA.....	Seattle
Meyers, Liv Alice, LA.....	Seattle	Mills, Paul A, Sci.....	Seattle
Meyers, Sheldon C, Phar.....	Seattle	Mills, Victor, Engr.....	Seattle
Meyer, Sylvia V, LA.....	Seattle	Millot, John A, Lav.....	Alhona
Meyring, Eugene A, Engr.....	Seattle	Millward, Doris, LA.....	Alhona
Michael, Clifford P, Phar.....	Tacoma	Minahan, Harry E, LA.....	Mt Vernon
Michaelson, Helen M, Sci.....	Odessa	Minaker, Cecil W, Bus.....	Seattle
Mickelwait, Lowell, Bus.....	Spokane	Miner, Grace E, Grad.....	Kettle Falls
Middleton, Campbell, Sci.....	Seattle	Miner, Eva Lee, Grad.....	Seattle
Middleton, Cowper J, Bus.....	Seattle	Miner, Gwendolen L, FA.....	Seattle
Middleton, Maurine, LA.....	Seattle	Miner, Ruth, LA.....	Seattle
Mier, Sybel E, LA.....	Seattle	Minewan, Jack V, Engr.....	Seattle
Mieth, Stanley T, Bus.....	Cupertino, Cal	Mines, Ray, Jr, LA.....	Seattle
Mielke, Helen E, FA.....	Spokane	Mingo, Kenneth P, LA.....	Seattle
Mielke, Marie, Bus.....	Spokane	Minor, John Varney, For.....	KKelo
Mifflin, Emmett R, LA.....	Seattle	Minton, Lynn, Bus.....	Wenatchee
Mifflin, James W, Phar.....	Olympia	Minuth, Esther A, LA.....	Yacolt
Migliavacca, Mabel, FA.....	Bremerton	Minuth, Gertie E, LA.....	Yacolt
Mijares, Ricardo, Engr.....	Philippines	Mitchell, S Carson, Bus.....	Eureka, Cal
Miklave, August, Sci.....	Kirkland	Mitchell, Catharine, FA.....	Seattle
Millburn, George, LA.....	Seattle	Mitchell, Charlotte, LA.....	Seattle
Miles, Edward M, Engr.....	Seattle	Mitchell, Caroline, FA.....	Seattle
Miles, Frederic E, Sci.....	Seattle	Mitchell, Doris, Sci.....	Everett
Miles, James E, For.....	Seattle	Mitchell, George F, Engr.....	Spokane
Miles, W C, LA.....	Seattle	Mitchell, James F, LA.....	Seattle
Millette, Harriet, Bus.....	Aberdeen	Mitchell, John G, LA.....	Eureka, Cal
Miley, John, Engr.....	Seattle	Mitchell, Mary Louise, Grad.....	Seattle
Millford, James W, Bus.....	Seattle	Mitchell, Ray, Engr.....	Olympia
Millford, Mersel L, Edu.....	Preston, Ida	Mitchell, Vivian, Bus.....	Tacoma
Milhelm, Dorothy May, Sci.....	Seattle	Mitchell, Webster L, LA.....	Seattle
Millard, George E, Engr.....	Tacoma	Mitton, Leslie, Engr.....	Pt Townsend
Millar, Jean M, Lib.....	Edmonton, Can	Miyamoto, Sanji LA.....	Honolulu
Millar, Mehille M, Phar.....	Seattle	Miyamoto, Atsushi, Engr.....	Seattle
Miller, Adelaide L, FA.....	Seattle	Moawad, Abe Mitchell, Engr.....	Kalama
Miller, Alice Elizabeth, Sci.....	Spokane	Moberg, A, FA.....	Asotin
Miller, Alice Frances, LA.....	Tacoma	Moe, Myrtle, LA.....	Seattle
Miller, Amalia Frances, LA.....	Fairbanks, Alas	Moen, Einar B, LA.....	Bellingham
Miller, Bernice Lee, LA.....	Seattle	Moffett, SA, Bus.....	Colby
Miller, Boyd B, LA.....	Seattle	Moffitt, Dwight D, Sci.....	Seattle
Miller, Clarice D, Sci.....	Tacoma	Moffitt, Lucille, FA.....	Naselle
Miller, Edna C R, Bus.....	Bryn Mawr	Mogner, E, Bus.....	Richmond Beach
Miller, E L, LA.....	Tacoma	Mohammad, Wali, LA.....	India
Miller, S Ernest, LA.....	Cle Elum	Mohler, Harry A, LA.....	Seattle
Miller, Elma L, LA.....	Seattle	Mohr, Jennie LA.....	Seattle
Miller, Eloise, LA.....	Seattle	Mojonnier, Harold D, Bus.....	Walla Walla
Miller, Florence, Phar.....	Omak	Molstead, Marle, LA.....	Seattle
Miller, Franklin, Bus.....	Seattle	Monda, George Oscar, Sci.....	Seattle
Miller, George L, Bus.....	Seattle	Monday, Sybil, LA.....	Seattle
Miller, Helen Grace, FA.....	Seattle	Monson, George M, Bus.....	Veradale
Miller, Henry A, Bus.....	Centerville	Monson, Harold, Engr.....	Hogquam
Miller, Hortense Hickman, Sci.....	Seattle	Monson, Theodore, Bus.....	Dungeness
Miller, Hugh K, LA.....	Seattle	Montague, Thomas M, LA.....	Bellingham
Miller, Irwin D, Bus.....	Seattle	Monteski, Gertrude V, LA.....	Minto, N D
Miller, James K P, Sci.....	Grandview	Montfort, Mary Leslie, LA.....	Blaine
Miller, John E, LA.....	Seattle	Montfort, Richard, Bus.....	Blaine
Miller, Charles J, Grad.....	Seattle	Montgomery, Anna Hinch, LA.....	Ellensburg
Miller, Ellen A, LA.....	Omak	Montgomery, Leslie, LA.....	Seattle
Miller, Harry H, LA.....	Naches	Monting, Adeline C, Bus.....	Seattle
Miller, James F, LA.....	Seattle	Montilla, Francislo, Grad.....	Luna, Unlan H T

Monnet, Randall F, Bus.....	Seattle
Moody, Earl, Engr.....	Seattle
Monson, Hildur S, LA.....	Seattle
Mony, Robert C, LA.....	Everett
Moon, Laurence, LA.....	Caquille, Or
Moon, Theodore H, Bus.....	Oakville
Moore, Bryant W, LA.....	Seattle
Moore, Birdie Marie, LA.....	Tacoma
Moore, Burt Louise, Sci.....	Kirkland
Moore, Charles S, Engr.....	Seattle
Moore, Clarita, Grad.....	Seattle
Moore, Donald J, Engr.....	Washougal
Moore, Dorothy G, FA.....	Seattle
Moore, Edward A, Bus.....	Bellevue
Moore, Eloise, LA.....	Seattle
Moore, E G, Sci.....	Seattle
Moore, L B Ethel, LA.....	Nova Scotia
Moore, Margaret, FA.....	Everett
Moore, Russell B, Bus.....	Pullman
Moore, Marguerite E, Sci.....	Seattle
Moore, Otto E, Edu.....	Snoqualmie
Moore, Paul C, LA.....	Upland, Cal
Moore, Philip H, Engr.....	Carnation
Moore, Phyllis, LA.....	Spokane
Moore, Ruth B, LA.....	Seattle
Moore, Vivian M, FA.....	Washougal
Moore, Walter B, LA.....	Seattle
Moore, Wesley, Engr.....	Tempe, Ariz
Moran, Christian, LA.....	Seattle
Moran, Halbert S, Bus.....	Seattle
Moran, Helen F, LA.....	Seattle
Moran, Kathryn, FA.....	Seattle
Moran, Wendell, For.....	Seattle
More, David T, Engr.....	Tacoma
Morcom, Herbert T, Bus.....	Seattle
Moreau, Ralph C, Engr.....	Alderwood Manor
Morehodoff, John A, Engr.....	Russia
Morehouse, Helen G, FA.....	Spokane
Morehead, Ruby E, Sci.....	Boise, Ida
Morford, S Harold, Law.....	Seattle
Morford, H James, Bus.....	Seattle
Morgan, Adrian H, Engr.....	Bellingham
Morgan, Anne, FA.....	Missoula, Mont
Morgan, Anne Mae, LA.....	Seattle
Morgan, Cecil A, LA.....	Cheney
Morgan, Dorothy L, FA.....	Seattle
Morgan, Fred T, Engr.....	Elma
Morgan, Gladys E, LA.....	Seattle
Morgan, Helen E, LA.....	Hoquiam
Morgan, Jewell A, Sci.....	Seattle
Morgan, Lucille, LA.....	Seattle
Morgan, Ruth E, Sci.....	Seattle
Morgan, Walter M, Sci.....	Davenport
Moriarty, John, LA.....	Seattle
Morrill, Helen, LA.....	Entiat
Morrill, Lucille, LA.....	Kent
Morningstar, Everett, LA.....	Bellingham
Morris, Catherine, Sci.....	Seattle
Morris, Francis, Bus.....	Seattle
Morris, Clydene, Sci.....	Seattle
Morris, Dorothy I, LA.....	Roslyn
Morris, Elsie, Sci.....	Seattle
Morris, Gregory S, Bus.....	Seattle
Morriass, Paul, Fsh.....	Everett
Morris, Robert A, Bus.....	Seattle
Morrison, Alene, FA.....	Seattle
Morrison, Clayton W, LA.....	Seattle
Morrison, Darrell L, LA.....	Auburn
Morrison, Dorothy, FA.....	Seattle
Morrison, D, Grant, LA.....	Seattle
Morrison, J E, LA.....	Spokane
Morrison, John W, Sci.....	Seattle
Morrow, Hazel, Bus.....	Cloverland
Morrow, Hugh, LA.....	Seattle
Morry, Lucile, LA.....	Seattle
Morse, Clarence D, LA.....	Seattle
Morse, Donald O, LA.....	Seattle
Morse, Evelyn, LA.....	Seattle
Morse, Roy W, Engr.....	Seattle
Morse, Samuel H, Bus.....	Port Angeles
Mortar, Charles V, Engr.....	Manila
Moseley, Evalyn A, Phar.....	Seattle
Moseley, Maud, daGr.....	Seattle
Moseley, Robert D, Bus.....	Seattle
Moser, Florence Shirley, LA.....	Ellensburg
Moser, Stephen B, LA.....	Seattle
Moses, Arclaga, LA.....	Philippines
Moses, Clemewell L, FA.....	Seattle
Mosher, Iris, Sci.....	Olympia
Mossing, Hazel Benora, FA.....	Seattle
Mossman, F B, Engr.....	Tacoma
Mottelson, Mayer, LA.....	Seattle
Mottishaw, Grace B, Sci.....	Calgary, Can
Moulthrop, Raymond, LA.....	Seattle
Moulton, Edith A, Sci.....	Kirkland
Moulton, Helen R, LA.....	Seattle
Mowat, Helen F, LA.....	Seattle
Mowat, Lillian, Phar.....	Nellita
Mowry, Rachel, FA.....	Seattle
Moyer, John P, Grad.....	Denver, Colo
Moynakan, Virginia C, LA.....	San Diego, Sal
Muckleston, R W, Sci.....	Seattle
Mudgett, Roberta, Sci.....	Tacoma
Mueller, Frank A, Engr.....	Seattle
Mueller, Edward C, Engr.....	Port Stanley
Mullane, John Stanley, LA.....	Seattle
Muench, Emma T, FA.....	Olympia
Muffley, Richard B, Law.....	Woodinville
Mulford, Russell G, LA.....	Tacoma
Mulholland, Edward A J, LA.....	Seattle
Mullane, J Stanley, LA.....	Seattle
Mullen, Cecil, LA.....	Yakima
Mullen, Frances, LA.....	Seattle
Mulligan, Bernard L, LA.....	Raymond
Mullin, Dorothy S, Sci.....	Seattle
Mullin, Jack D, LA.....	Bellingham
Mumford, Clarence C, Sci.....	Seattle
Mumel, John J, LA.....	Seattle
Mund, Vernon A, Bus.....	Pe Ell
Mundie, Alice, LA.....	Parma, Ida
Munn, Jane B, Bus.....	Spokane
Muns, Zola Fern, Edu.....	Zillah
Murata, Yki, FA.....	Japan
Murchison, Donald, Engr.....	Seattle
Murdoch, J Wells, For.....	Duchesne, Utah
Murdock, Mary, LA.....	Seattle
Murphy, Agnes K, Edu.....	Seattle
Murphy, James, Bus.....	Seattle
Murphy, Mabel, Bus.....	Seattle
Murphy, Margaret Mary, Edu.....	Spokane
Murphy, Virgil, LA.....	Black Diamond
Murphy, Wilfrid R, Engr.....	Seattle
Murray, Beth Archibald, FA.....	Seattle
Murray, Clarence M, Jr, Engr.....	Seattle
Murray, Dennis, LA.....	Seattle
Murray, Evelyn, LA.....	Seattle
Murray, Hazel C, Grad.....	Sacramento, Cal
Murray, Jesse W, LA.....	Omak
Murray, Jane F, Edu.....	Port Blakely
Murray, Margaret, LA.....	Seattle
Murray, Nell, For.....	Wenatchee
Murray, Nellie, Bus.....	Seattle
Murray, Virginia Irene, Sci.....	Seattle
Murray, Virginia Irene, Sci.....	Seattle
Murton, M Ethelwynne, LA.....	Portland, Ore
Murton, Maxine Elliott, Grad.....	Seattle
Musgrave, Dorothy, LA.....	Seattle
Mutch, Ida Paine, Lib.....	Ellensburg
Myers, Arlington W, FA.....	Port Angeles
Myers, David, FA.....	Seattle
Myers, Dorothy, Bus.....	Seattle
Myers, Elmer W, Engr.....	Seattle
Myers, Helen Jackson, LA.....	Seattle
Myers, Jean, FA.....	Seattle
Myers, Joseph, LA.....	Seattle
Myers, Kenneth G, Bus.....	Seattle
Myers, Percy L, Bus.....	Seattle
Myhre, Clara, FA.....	Seattle
Mylrale, W J, LA.....	Seattle

Nachant, Virginia, LA.....Seattle
 Nadeau, Eleanor, FA.....Seattle
 Nagamatsu, Geo R, Engr.....Snoqualmie Falls
 Nagamine, F, FA.....Seattle
 Nagley, Hazel, FA.....Seattle
 Nagel, Mary S, Edu.....Seattle
 Nakagawa, Yoriaki, Bus.....Seattle
 Nakashima, Geo, FA.....Seattle
 Nakoya, Sukeo F, Phar.....Seattle
 Nanney, Albert M, Law.....Vancouver
 Nantz, Kathryn, LA.....Seattle
 Nainich, Robert, FA.....Tacoma
 Nardin, Alphonse, LA.....Seattle
 Nash, John W, LA.....Seattle
 Nassonoff, Alexander, Engr.....Everett
 Nau, John C, Bus.....Seattle
 Nau, Thomas P, Bus.....Seattle
 Naughton, Eugene P, Bus.....Bellingham
 Navarro, Joaquin, LA.....Philippines
 Navea, Vicente O, LA.....Philippines
 Nazareth, Victor C, Fish.....Philippines
 Neal, Richard K, LA.....Seattle
 Nealand, Minor, FA.....Portland, Ore
 Near, Maxine, Sci.....Seattle
 Nedelsky, Leo, Engr.....Russia
 Neeley, Hazel M.....Welser, Ida
 Neely, C Bertis, Grad.....Seattle
 Neerland, Ruth E, LA.....Seattle
 Neff, Grace E, Sci.....Aberdeen
 Neideffer, Cecil F, Phar.....Seattle
 Neldert, Louis J, Grad.....Seattle
 Neighbor, J W, Sci.....Kirkland
 Nefkirk, Claire E, LA.....Seattle
 Nell, Melvin, Fsh.....Oak Harbor
 Nell, Richard L, Sci.....Seattle
 Neill, William J, LA.....Seattle
 Nelissen, Hazel, LA.....Kirkland
 Neilson, John L, Bus.....Raymond
 Neilson, William L, FA.....Kallispell, Mont
 Nelson, Adelaide K, LA.....Seattle
 Nelson, Andrew N, Grad.....Seattle
 Nelson, Clare, LA.....Seattle
 Nelson, Clarence L, Bus.....Olympia
 Nelson, Earl J, Bus.....Havre, Mont
 Nelson, Ella Winnifred, LA.....Sedro-Woolley
 Nelson, Elva Vanda, LA.....Seattle
 Nelson, Erma E, Grad.....Seattle
 Nelson, Ernest N, Engr.....Kapowsin
 Nelson, Ernest W, Bus.....Bickleton
 Nelson, Ethel, LA.....Seattle
 Nelson, Eugene, Bus.....Tacoma
 Nelson, Evelyn I, LA.....Seattle
 Nelson, Frances M, LA.....Seattle
 Nelson, Harlan, Bus.....Canby, Miss
 Nelson, Hilmer, For.....Sedro-Woolley
 Nelson, John, Engr.....Seattle
 Nelson, Luella, Sci.....Sultan
 Nelson, Malcolm E, Bus.....Seattle
 Nelson, Paul H, Engr.....Wenatchee
 Nelson, Ralph B, Engr.....Pt Blakely
 Nelson, Ruth L, Sci.....Minomomie, Wis
 Nelson, Wilma, LA.....Seattle
 Neoustroff, Nicholas, Engr.....Seattle
 Ness, Dorothy, Sci.....Wapato
 Nessly, Dorothy Elliz, LA.....Seattle
 Nettleton, Jane, FA.....Seattle
 Nettleton, Ruth, FA.....Seattle
 Neumann, Roseda L, Bus.....Pasco
 Neumann, M Cameron, Bus.....Seattle
 Neumann, Olivia K, LA.....Camp Lewis
 Neuenchwander, Harry L, LA.....Seattle
 Nevensal, Gilbert K, Engr.....Seattle
 Neville, Betty, LA.....Walville
 Neville, Jack, For.....Seattle
 Nevins, Willard K, Fsh.....Granite Falls
 Newbern, Fern, FA.....Seattle
 Newberry, Amelia, LA.....Kirkland
 Newberry, Clare, FA.....Seattle
 Newbury, James V, Bus.....Seattle
 Newbury, Kirsten L, Grad.....Seattle
 Newbury, R G, Sci.....Seattle

Newell, Paul R, Engr.....Boise, Ida
 Newell, Ralph A, Sci.....Seattle
 Newell, Richard, Engr.....Everett
 Newmack, N, Bus.....Great Falls, Mont
 Newman, L L, Law.....Seattle
 Newman, Marguerite, LA.....Boise, Ida
 Newman, Ruth L, Sci.....Spokane
 Newton, C A, For.....Auburn
 Newton, CB, Bus.....Seattle
 Newton, Enid, FA.....Portland
 Neylon, Walter J, Bus.....Olympia
 Nicholas, Sarro, Sci.....Seattle
 Nichols, Amelle, LA.....Seattle
 Nichols, Claudia, LA.....Vashon Heights
 Nichols, Josephine, LA.....Seattle
 Nicholson, Catherine, FA.....Spokane
 Nicholson, Louise, LA.....Vancouver
 Nicholson, Thomas B, Min.....Seattle
 Nicholson, Walter, Engr.....Seattle
 Nichey, Wm, For.....Memphis, Tenn
 Nickum, William B, LA.....Seattle
 Nielsen, Stuart K, FA.....Seattle
 Nellsen, Vernet L, Bus.....Seattle
 Nieme, Elmer J, Engr.....Seattle
 Nieman, Fred V, Bus.....Seattle
 Niesen, Helen J, LA.....Tacoma
 Niesz, Ralph M, Engr.....Seattle
 Nillo, Manueto V, LA.....Philippines
 Nims, Fred D, LA.....Seattle
 Ninomiya, Shige, LA.....Seattle
 Nishinoiri, John I, Grad.....Japan
 Nishimoko, James Y, Bus.....Seattle
 Nixon, Clayton F, LA.....Seattle
 Nixon, James F, Bus.....Kirkland
 Nixon, Ruth M, Edu.....Spokane
 Noble, Alvord D, Engr.....Seattle
 Noble, Doan E, Bus.....Seattle
 Noble, Mildred, Sci.....Seattle
 Noggle, Halford P, Engr.....Anchorage
 Noji, Oliver K, FA.....Seattle
 Nojiri, Henry K, LA.....Seattle
 Nollar, Oswald, Bus.....Kallispell, Mont
 Norberg, Clarence F, Engr.....Seattle
 Nordquist, Carlos G, Law.....Seattle
 Norquist, Robert W, Bus.....Seattle
 Nordquist, Elsie, LA.....Seattle
 Nordstrom, Elmer J, Bus.....Seattle
 Noren, Gladys, LA.....Portland, Ore
 Norie, James L, LA.....Seattle
 Norie, Martha, LA.....Seattle
 Norie, Mary E, Grad.....Seattle
 Norling, Dorothy A, FA.....Seattle
 Norris, Carl L, LA.....Seattle
 Norris, Ruth, LA.....Seattle
 North, Norma L, LA.....Seattle
 Norton, Edward R, LA.....San Francisco, Cal
 Norton, Henry, LA.....Tacoma
 Norton, M June, LA.....Tacoma
 Norway, Charles Julia, FA.....Seattle
 Notkin, James B, Engr.....Seattle
 Nowell, Everett, Bus.....Juneau, Alaska
 Nuckols, Ruth, Sci.....Ketchikan, Alaska
 Nuckols, Hugh H, LA.....Seattle
 Nuckols, Louis S, Bus.....Seattle
 Nudd, Barbara B, LA.....Seattle
 Nudelman, James, FA.....Aberdeen
 Nuelsen, Mrs Lucile E, Grad.....Seattle
 Nuguid, Alfonso P, Engr.....Philippines
 Nunan, Dorothy, Bus.....Ketchikan, Alaska
 Nye, Margaret A, Bus.....Glendive, Mont
 Nygran, Evelyn, LA.....Seattle
 Nygren, Alf J, Sci.....Snohomish
 Nyman, Rose, FA.....Seattle
 Nystrom, Ruth E, LA.....Brush Prairie

Oberg, Clarence Daniel, Bus.....Everett
 Oberholser, Ethel L, Sci.....Mansfield, Mo
 O'Brien, Elizabeth M, Sci.....Astoria, Ore
 O'Brien, Frank Thomas, Phar.....Seattle
 O'Brien, Mary Florence, LA.....Vancouver

O'Brien, Nora, LA.....	Seattle
O'Brien, William, Bus.....	Butte, Mont
O'Brien, William Michael, LA.....	Seattle
Ocampo, Jose, Engr.....	Philippines
Ochs, Clyde, Bus.....	Seattle
O'Connor, Clinton J, Bus.....	Tacoma
O'Connor, Helen, LA.....	Tacoma
O'Connor, Walter B, Bus.....	Seattle
O'Donnell, Henry P, Engr.....	Seattle
Odani, Juichi, Bus.....	Seattle
Odegard, Thomas Jr, Phar.....	Seattle
Oeck, Emil, Bus.....	Spokane
Oestreltch, Roy, Bus.....	Ritzville
Ogawa, Elmer, Bus.....	Seattle
Ogden, Charles, LA.....	Tacoma
Ogden, Harry, Bus.....	Tacoma
Ogle, Floyd V, LA.....	Bellingham
Ohashi, Teru, Sci.....	Seattle
Ohlheff, May Elizabeth, Sci.....	Everett
Ohlin, Elin, LA.....	Tacoma
Okada, Hita, Engr.....	Tacoma
Okada, Ritchi, Engr.....	Portland, Ore
Okajima, Thelma S, FA.....	Seattle
Okamura, Florence K, LA.....	Seattle
Okamura, Hanna, FA.....	Seattle
Okazaki, Robert Iwao, LA.....	Seattle
O'Keane, Frances, FA.....	Vancouver
O'Keane, Mary C, LA.....	Vancouver
O'Keefe, Andra, Sci.....	Seattle
O'Keefe, Jessie, Sci.....	Seattle
Okihara, Ryusulin, LA.....	Seattle
Okimura, Nobue, LA.....	Japan
Okobo, Roco R, Bus.....	Portage
Olcott, Edward Jr, Bus.....	Red Lodge, Mont
Olds, Marie Olivia, Sci.....	Colville
O'Leary, Alice, LA.....	Seattle
O'Leary, Carmel Agnes, LA.....	Seattle
O'Leary, Daniel Keith, Sci.....	Seattle
O'Leary, Eileen, LA.....	Seattle
O'Leary, H Kathleen, LA.....	Seattle
O'Leary, Kathleen L, FA.....	Grt Falls, Mont
Oleson, James R, Bus.....	Kelso
Olin, Charles Herbert, LA.....	Seattle
Olin, William C, Bus.....	Seattle
Oliver, Egbert S, LA.....	Seattle
Oliver, Esther T, LA.....	Seattle
Oliver, Marguerite, LA.....	Seattle
Oliver, Roy Russell, Bus.....	San Francisco, Cal
Olney, Dorothy, LA.....	Seattle
Olsen, Albert, LA.....	Horse Shoe Bend, Ida
Olsen, Bergliot Nancy, Edu.....	Prosser
Olsen, Frederick C, Law.....	Zillah
Olsen, Howard M, LA.....	Zillah
Olsen, Reidar H, Bus.....	Pt Blakely
Olsen, Thelma L, LA.....	Seattle
Olson, Alice Winifred, LA.....	Seattle
Olson, Alfred H, LA.....	Husum
Olson, Avary H, Sci.....	Stevenson
Olson, Carl, Bus.....	Seattle
Olson, Clifford C, Bus.....	Yakima
Olson, Earl Stanley, Engr.....	Seattle
Olson, Hazel H, LA.....	Seattle
Olson, Katherine Eleanor, LA.....	Seattle
Olson, Kenneth B, Sci.....	Seattle
Olson, Kermit, Engr.....	Tacoma
Olson, Nathalie, LA.....	Seattle
Olson, Percy Phar.....	Everett
Olson, Ronald LeRoy, Grad.....	Seattle
Olson, Roy L, For.....	Monroe
Olson, Walter, LA.....	Seattle
Olson, Warren E, Min.....	Tacoma
Olswang, Edith, LA.....	Seattle
Oman, Emma C, Sci.....	Seattle
Omeara, Erna Kathryn, LA.....	Seattle
Omcg, Melvin C, Bus.....	Toledo
O'Neill, Wm T, Bus.....	Boise, Ida
O'Reilly, Patrick, Engr.....	Seattle
Orkney, Douglas L, Bus.....	Hoquiam
Orkney, R Woolston Jr, Bus.....	Hoquiam
Oros, Charles Nelson, Engr.....	Colby
Orr, John Erskine Orr Jr, LA.....	Spokane
Orr, P H, LA.....	Tacoma
Orr, Robert, Engr.....	Spokane
Orton, Constance, LA.....	Seattle
Ormbrek, Gilbert, Bus.....	Woodinville
Orton, Helen C, LA.....	Aberdeen
Ortman, Ruth L, Edu.....	Ellensburg
Orton, Allen G, LA.....	Seattle
Osborn, Melba, Sci.....	Seattle
Osborn, H Ross, LA.....	Spokane
Osginach, J A, Grad.....	Lacy
O'Shea, Eleanor, LA.....	Spokane
Osmers, Frederick Christian, Engr.....	Tacoma
Ostensen, Floyd C, Grad.....	Seattle
Osterman, Henrietta, FA.....	Walla Walla
Osterman, Hugo W, FA.....	Walla Walla
Ostlund, T Elmore, Engr.....	Bryn Mawr
Ostrom, Theodore B, Bus.....	Seattle
Ostrom, Eleanor G, FA.....	Medina
Oswald, D C, Bus.....	Everett
Oswald, Elizabeth, LA.....	Everett
Ota, Milo C, FA.....	Seattle
Ota, Setsu, Sci.....	Seattle
Otani, Kikuye, LA.....	Wapato
Otera, Allen, Engr.....	Seattle
Ott, Anna V, Sci.....	Pt Angeles
Ottenheimer, Albert M, LA.....	Tacoma
Ottinger, Virginia Ann, LA.....	Bellevue
Otto, Robert H, Bus.....	Everett
Ouren, Frederic, Sci.....	Leavenworth
Ovenell, Fred J, LA.....	Burlington
Overbay, Charles H, Engr.....	Manson
Overly, Fred J, For.....	Centralia
Overstreet, Paul W, Engr.....	Seattle
Owen, Frances E, LA.....	Seattle
Owen, Mrs Hazel H, Sci.....	Seattle
Owens, Ethel, LA.....	Kennewick
Owens, George I, Engr.....	Seattle
Oyen, Esther, FA.....	Everett
Oyen, Penelope, FA.....	Everett
Pabst, Avery A, Bus.....	Everett
Pacis, Marcela R, Sci.....	Philippines
Pack, Alice M, LA.....	Seattle
Packard, S Edmund, LA.....	Seattle
Paddin, Mary H, Sci.....	Seattle
Padelford, Eunice, LA.....	Seattle
Padilla, Eugenio, LA.....	Philippines
Padley, Willine J, LA.....	Seattle
Page, Frederick J, LA.....	Seattle
Paget, Earl, Engr.....	Menlo
Painter, Esther E, FA.....	Cheney
Painter, Wilfred, Engr.....	Dryad
Pakusch, Johnny J, Bus.....	Bellingham
Palacio, Apolonio, Engr.....	Manila, P I
Pallner, Maude, FA.....	Seattle
Palmaw, Gvan, FA.....	Seattle
Palmer, Berenice, LA.....	Chehalis
Palmer, Delight, LA.....	Chehalis
Palmer, Dorothy, FA.....	Seattle
Palmer, Elizabeth, FA.....	Seattle
Palmer, John P, LA.....	Seattle
Palmer, Lawrence, Engr.....	Centralia
Palmer, Lester P, Bus.....	Everett
Palmer, Margaret V, FA.....	Tacoma
Palmer, Marjorie G, LA.....	Seattle
Palmer, Ruth A, LA.....	Bremerton
Palmtree, William G, For.....	Aberdeen
Palpallatoc, Ceferino V, LA.....	Philippines
Palpallatoc, Paul P, Phar.....	Philippines
Pampel, George, LA.....	Seattle
Panesko, John S, LA.....	Chehalis
Pannell, Shirley, FA.....	Seattle
Pape, Karl R, Engr.....	Edmonds
Papulin, Rolfe J, Bus.....	Seattle
Paradis, Culver, Engr.....	Seattle
Paradis, Ernest J, Engr.....	Seattle
Pardee, Loe, LA.....	Seattle
Parent, Ruby E, Engr.....	Elma
Park, Adelbert, LA.....	Outlook
Park, Howard, Engr.....	Seattle

Park, Walter L, Engr.....	Seattle	Peebles, Orville E, Law.....	Hoquiam
Park, Zelma, Engr.....	Spokane	Peck, Cliff, LA.....	Seattle
Parker, Agnes F, Edu.....	Seattle	Peers, Rose F, Sci.....	Wenatchee
Parker, Dorothy J, LA.....	Seattle	Peha, Albert Jr, Phar.....	Seattle
Parker, Esther June, LA.....	Seattle	Pelnce, Molly E, LA.....	Seattle
Parker, Terrence M, Jr, FA.....	Seattle	Pellegrini, Angelo M, LA.....	McClary
Parkin, Edward, Engr.....	Butte, Mont	Pellegrini, Frank A, Law.....	Seattle
Parkin, Margaret I, LA.....	Seattle	Pellegrini, Marlon M, LA.....	Seattle
Parkinson, Doris B, FA.....	Seattle	Pellegrini, Rosalie L, LA.....	Seattle
Parks, Harold, Bus.....	Seattle	Pelto, Ethel, Sci.....	Tieton
Parr, Katherine, LA.....	Spokane	Peltret, Edward, LA.....	Seattle
Farrington, Louise, LA.....	Seattle	Peiz, Gladys, Grad.....	Seattle
Parrott, J Bruce, LA.....	Pasadena, Cal	Pemberton, Joseph T, LA.....	Seattle
Parry, Lloyd, Bus.....	Richmond Beach	Pemberton, Margaret, LA.....	Seattle
Parsons, James B, LA.....	Friest River	Pence, Alvin, LA.....	Seattle
Parson, W B, LA.....	Seattle	Pence, Etta, LA.....	Seattle
Partee, Raymond A, LA.....	Seattle	Pendleton, Dorothy, Sci.....	Seattle
Partridge, Edith M, LA.....	Seattle	Pendleton, Lois J, Sci.....	Seattle
Pascual, Eduardo, Edu.....	Philippines	Penick, Norman J, For.....	Everett
Pascual, Felix, Edu.....	Philippines	Penington, Ruth E, FA.....	Seattle
Pascual, Narciso, LA.....	Philippines	Peng, David, LA.....	China
Pashley, Harry B, Engr.....	Seattle	Pennell, Donald F, Engr.....	Seattle
Pasuken, Catalino T, Sci.....	Philippines	Percival, Dorothy L, Edu.....	Seattle
Patchett, B F, Bus.....	Ellensburg	Perdang, Henry, For.....	Boston
Pateron, John S, FA.....	Squamish	Perdue, Edgar A, Jour.....	Seattle
Patl, Mauro G, Sci.....	Philippines	Perfield, John A, FA.....	Seattle
Patjens, Irene, LA.....	Sisters, Ore	Perkins, De Forest, LA.....	Seattle
Paton, Harold, Bus.....	Cashmere	Perks, Mary Alice, Sci.....	Pe Ell
Paton, Kenneth D, Engr.....	Cashmere	Perring, Norman C, LA.....	Olympia
Patric, John, LA.....	Snohomish	Perry, Grace, FA.....	Lakeside
Patrick, James F, Engr.....	Seattle	Person, Henry A, LA.....	Tacoma
Patrick, Harry, LA.....	Seattle	Personneus, Lewis H, Engr.....	Seattle
Patric, Walter F, Bus.....	Seattle	Perusse, George F, Engr.....	Spokane
Patten, Irmengarde, LA.....	Seattle	Perce, Catherine, LA.....	Seattle
Patten, Lawton M, FA.....	Seattle	Pesce, Lawrence, Sci.....	Seattle
Patten, Virginia, FA.....	Seattle	Peters, Evan R, LA.....	Zillah
Patterson, Bega, Sci.....	Seattle	Peters, Laura B, FA.....	Seattle
Pattullo, Ruth J, FA.....	Vancouver	Peters, Veronoe A, Bus.....	Kelso
Patzer, Sidney, LA.....	Seattle	Petersen, Alma, Sci.....	Langley
Paul, Ada, Sci.....	Honolulu	Petersen, Ralph C, Engr.....	Seattle
Paul, Beatrice, FA.....	Seattle	Petersen, Thomas, Jr, Bus.....	Seattle
Paulson, Stina, LA.....	Edmonds	Peterson, Alvin A, Phar.....	Seattle
Paxton, Robert, LA.....	Seattle	Peterson, Amy, Sci.....	Monroe
Payette, S, Engr.....	Seattle	Peterson, Arleen, LA.....	Spokane
Payne, M Caroline, Edu.....	Seattle	Peterson, Arthur C, Engr.....	Seattle
Payne, Harry A, Phar.....	Seattle	Peterson, Claire A, FA.....	Seattle
Payne, Velma F, LA.....	Clarkston	Peterson, Carl Henry, For.....	Yakima
Paynton, Charles S, LA.....	Boise, Ida	Peterson, Carrie H, Grad.....	Wardner, Idaho
Paynton, Franklin W, Engr.....	Ida	Peterson, Clarence B, Bus.....	Stobart
Paysee, Doris, FA.....	Seattle	Peterson, Elizabeth C, LA.....	Seattle
Payzant, Marion A, FA.....	Everett	Peterson, Elva K, Sci.....	Ogden, Utah
Peabody, Emery E, Bus.....	Seattle	Peterson, Ethel, Sci.....	Poulsbo
Peabody, Maud A, Sci.....	Seattle	Peterson, Frank W, Edu.....	Seattle
Peacock, Edward, Bus.....	Mercer Island	Peterson, Grace H, Grad.....	Seattle
Peach, Helen, Sci.....	Port Townsend	Peterson, Howard J, Engr.....	Sunnyside
Peacock, D C, Jr, Engr.....	Port Angeles	Peterson, Howard M, LA.....	Seattle
Peacock, Marion, LA.....	Portland, Or	Peterson, Hugo A, Bus.....	Tacoma
Peacock, Mildred, LA.....	Port Angeles	Peterson, Inez H, Grad.....	Seattle
Peacock, Priscilla, LA.....	Seattle	Peterson, J E, Law.....	Seattle
Pearls, Goldia L, LA.....	Seattle	Peterson, Juliette, LA.....	Seattle
Pearce, Marion E, LA.....	Seattle	Peterson, Marjorie W, Grad.....	Seattle
Pearce, Richard J, FA.....	Seattle	Peterson, Robert W, Fph.....	Seattle
Pearl, Charles J, Law.....	Prosser	Peterson, M Caroline, LA.....	Portland, Or
Pearsall, M Elizabeth, LA.....	Pittsburgh, Pa	Peterson, Wm C, LA.....	Omakaska
Pearson, Anna C, Edu.....	Spokane	Peterson, Wm E, Bus.....	Tacoma
Pearson, Jack, Bus.....	Seattle	Peterson, Winston B, LA.....	Seattle
Pearson, Mrs Mabel D, LA.....	Seattle	Peth, Walter E, For.....	Tieton
Pearson, Mabel V, FA.....	Bothell	Petkovits, Xenia, LA.....	Seattle
Pearson, Merrill, LA.....	Seattle	Petrick, Arnold A, Engr.....	Seattle
Pearson, Paul L, Bus.....	Pocatello, Ida	Petrie, James, Engr.....	Seattle
Pearson, William, Bus.....	Spokane	Peltengill, Floyd C, Phar.....	Seattle
Pease, Carroll, Bus.....	Marysville	Pettingrew, Anna, Edu.....	Cle Elum
Pease, Estelle, Sci.....	Seattle	Pettigrew, Elizabeth, Edu.....	Cle Elum
Pease, Robert C, LA.....	Seattle	Pettit, Henry M, Bus.....	Seattle
Peaslee, George M, Engr.....	Seattle	Pettit, Helen, Sci.....	Seattle
Peck, Fred C, FA.....	Monroe	Pettit, Lester W.....	Seattle
Pedersen, Alf, Engr.....	Gig Harbor	Pfeffer, Florence G, LA.....	Calgary, Alberta
Pederson, Hans, Engr.....	Seattle	Pfeiffer, June L, LA.....	Seattle
Pederson, Helma P, FA.....	Seattle	Pfielder, Elsie A, Sci.....	Seattle
Pederson, Russel T, LA.....	Seattle	Phelan, Grace, FA.....	Seattle
Pedlicord, G W, Bus.....	Spokane	Phelps, H Carnes, LA.....	Tacoma

Phelps, Saralette, LA.....	Seattle	Potter, Helen A, LA.....	Spokane
Phenning, Alfreda C, Bus.....	Seattle	Potter, Henry G, Sci.....	Seattle
Philbrick, Harold C, LA.....	Seattle	Potter, Ruth A, Sci.....	Seattle
Phillip, Joseph C, LA.....	Seattle	Potts, A E, Engr.....	Seattle
Phillippi, Herbert, Edu.....	Bellingham	Potts, Lave Edward, LA.....	Snoqualmie
Phillippi, Ralph, Engr.....	Boise, Ida	Potts, Margaret B, Bus.....	Coeur d' Alene, Ida
Phillips, Earl A, LA.....	Seattle	Powell, Afton Eloise, FA.....	Ryderwood
Phillips, Alleen, LA.....	Odessa	Powell, Alexander S, Engr.....	Seattle
Phillips, Clinton, Bus.....	Seattle	Powell, Franklin, Engr.....	Seattle
Phillips, Frederick G, Sci.....	Seattle	Powell, R Lillian, LA.....	Hinsdale, Mont
Phillips, Justus B, Fsh.....	Bairfax	Powell, J Theodore, LA.....	Selah
Phillips, Olive E, LA.....	Seattle	Powell, Wayne J, Bus.....	Raymond
Phillips, P M, Engr.....	Seattle	Power, Edward A, Fsh.....	Oak Harbor
Philpot, Barton H, LA.....	Seattle	Powers, Welch, Sci.....	Seattle
Philpot, Pauline, LA.....	Seattle	Poy, William J, Sci.....	Portland, Ore
Pickard, Ward L, LA.....	Seattle	Poyneer, Paul A, For.....	Everett
Pickering, Orr, FA.....	Seattle	Proells, Maurine, LA.....	Seattle
Pierce, Burton, Bus.....	Seattle	Pratt, Dorothea, LA.....	Seattle
Pierce, Clair, Sci.....	Olympia	Pratt, Emma G, LA.....	Seattle
Pierce, Catherine, FA.....	Everett	Pratt, Wheeler, Engr.....	Seattle
Pierce, Dorothy A, Lib.....	Seattle	Predmore, Alice E, LA.....	Seattle
Pierce, Earl R, Engr.....	Seattle	Prentice, Dudley, Bus.....	Auburn
Pierce, Florence, LA.....	Seattle	Prescott, Nellie, LA.....	Spokane
Pierce, Mary Louise, FA.....	Seattle	Preston, Harold C, FA.....	Seattle
Pierce, Mildred G, Sci.....	Seattle	Prevost, Albert, Bus.....	Seattle
Pierce, Winifred, LA.....	Seattle	Price, Harold N, Engr.....	Seattle
Piereson, Reuben B, Sci.....	Bellingham	Price, Russell, Engr.....	Tacoma
Pigott, Josephine, Grad.....	Seattle	Price, William K, Grad.....	Seattle
Pike, Mark, For.....	Seattle	Price, W A, For.....	Seattle
Piler, Augustus, Min.....	Seattle	Priebe, Lloyd H, Engr.....	Renton
Pineo, Eleanor W, LA.....	Victoria, B C	Priebe, Robert E, Engr.....	Seattle
Pinkham, Anita, FA.....	Seattle	Priem, Virginia, LA.....	Seattle
Pilkingtong, Phyllis L, LA.....	Portland, Ore	Prim, John E, Law.....	Seattle
Pittack, Arthur H, Bus.....	Hollywood, Cal	Pritchard, Leslie C, LA.....	Renton
Pittard, Virginia, LA.....	Portland, Ore	Pritchard, Stanley E, LA.....	Versade
Pittendelgh, D, Edu.....	New Westminster, BC	Prickett, Arthur T, Engr.....	Seattle
Pixley, Clark M, Engr.....	Seattle	Proffitt, Dean, Bus.....	Centralia
Plemon, Gladys M, Lib.....	Walla Walla	Proffitt, Lehman, Bus.....	Centralia
Place, Eunice, Bus.....	Seattle	Prottas, George, Bus.....	Seattle
Piamondan, Vivienne, FA.....	Seattle	Provan, Ferne Alice, LA.....	Seattle
Plank, Faye M, LA.....	Seattle	Pressman, Margaret, Bus.....	Seattle
Plank, Keith, LA.....	Seattle	Prye, Gertrude, LA.....	Seattle
Platt, Ruth E, Grad.....	Seattle	Pugh, Venetia, LA.....	Juneau, Alaska
Plimpton, Janet L, LA.....	Seattle	Pugsley, Frances, Sci.....	Yelm
Plimpton, William Sherman, LA.....	Seattle	Pugsley, Harriet M, Grad.....	Seattle
Pliss, Madeline Anita, FA.....	Seattle	Fullen, Mary Elizabeth, LA.....	Skagway, Alaska
Plum, Lester V, LA.....	Yakima	Purugganan, Florencio, Sci.....	Philippines
Plummer, Willis A, Bus.....	Seattle	Putnam, Gertrude E, LA.....	Seattle
Plummer, Robert H, Phar.....	Vancouver	Putnam, Ruth A, LA.....	Seahurst
Pohl, Russell Albert, Engr.....	Seattle	Putnam, Stanley E, LA.....	Tonasket
Pokrovsky, Alexandra, FA.....	Vancouver, BC		
Polet, Emily, FA.....	Nome, Alaska	Quast, Thomas, Fsh.....	Marysville
Polk, John Geo, Bus.....	Aberdeen	Quickstad, Joel E, Bus.....	Seattle
Pollack, Edward J, Bus.....	Pasadena, Cal	Quigley, Marian, LA.....	Seattle
Pollard, Charles L, Grad.....	Seattle	Quigley, Ruth, FA.....	Chestnut
Pollock, Barbara, Grad.....	Seattle	Quilliam, Harold J, Bus.....	Seattle
Pollock, Robert N, Sci.....	Seattle	Quimsoing, D Q, Engr.....	Dagupan, P I
Pollock, Herbert W, Engr.....	Seattle	Quinlan, C Bernice, Sci.....	Seattle
Polloom, Arta, LA.....	Chehalis	Quistloiff, Wallace W, Engr.....	Gig Harbor
Pollock, Raymond W, Fish.....	Tacoma		
Polloom, H D, LA.....	Chehalis		
Polloom, Lois, FA.....	Chehalis		
Polson, Genevieve C, LA.....	Mt Vernon	Raban, Adelyne F, LA.....	Seattle
Pomeroy, Allan, Sci.....	Seattle	Rabel, Irvine B, FA.....	Seattle
Pope, M A, Bernice, Sci.....	Vancouver, BC	Rabel, Leigh W, Bus.....	Seattle
Pool, Stephen C, Sci.....	Phoenix, Ari	Rabel, Marjorie, Sci.....	Seattle
Poole, Abigail, Phar.....	Seattle	Raber, Ruth M, LA.....	Tacoma
Poole, Bonnie, Grad.....	Seattle	Racine, Marguerite, LA.....	Seattle
Porsch, Rhyhart A, Bus.....	Roy	Rader, Melvin, LA.....	Walla Walla
Poslavsky, Anatole V, Engr.....	China	Rader, Norval B, Bus.....	Spokane
Porter, Chas A, Engr.....	Wenatchee	Radin, Carl, Engr.....	Seattle
Porter, Dorothy, LA.....	Wenatchee	Radke, Ryle A, Sci.....	Everett
Porter, Dorothy, Sci.....	Walla Walla	Radovich, Victor, Sci.....	Roslyn
Porter, Helen A, LA.....	Spokane	Rae, Doris, Law.....	Caldwell, Ida
Porter, John, Jr, Engr.....	Seattle	Rae, Francis H, Bus.....	Seattle
Porter, Lloyd W, Bus.....	Seattle	Rae, Margaret M, LA.....	Seattle
Porter, Martha, LA.....	Longview	Rafter, Philip Carson, LA.....	Seattle
Porter, William L, Engr.....	Wenatchee	Raichle, Marcus S, Law.....	Yakima
Potter, Willis, Law.....	Kalama	Raine, William T, Engr.....	Bellevue
Potter, Donald, LA.....	Spokane	Ralse, George C, For.....	Vancouver, BC
Potter, Dorothy, FA.....	Seattle	Ralewitz, Sarah, LA.....	Seattle

Ralls, Roberta, LA.....	Seattle	Reintjes, M R, Bus.....	Lester
Ramm, Dorothy, Educ.....	Seattle	Reise, Herman A, Engr.....	Puyallup
Ramm, John B, Engr.....	Seattle	Reisig, Rhea, FA.....	Seattle
Ramos, Manuel, Law.....	Philippines	Reiter, Bernard, Law.....	Seattle
Ramsaur, Reuben, Phar.....	Centralia	Reinertsen, Edwln, Bus.....	Everett
Ramsay, J Finaly, Sci.....	Vernon, Can	Relf, Richard C, FA.....	Seattle
Ramsey, Daniel, Engr.....	Seattle	Remelin, Edith C, Edu.....	Ellensburg
Ramsey, Guy R, For.....	Seattle	Remigallo, Vladimir M, Engr.....	Seattle
Ramstad, Carl A, For.....	Everett	Remington, Cecil G, Bus.....	Selah
Ramstad, Lydia J, Sci.....	Dennison, Minn	Remley, Elizabeth Ellen, FA.....	Dryden
Ramstedt, Mary, LA.....	Seattle	Remy, Evelyn, FA.....	Seattle
Randall, Arthur, Bus.....	Seattle	Remy, Frances, LA.....	Seattle
Randall, Helen Jean, LA.....	Spokane	Renhard, Julius A, Engr.....	Aberdeen
Randall, Helen M, Sci.....	Seattle	Renn, Ruth, Sci.....	Chelan
Randles, Vera May, LA.....	Burlington	Reneau, Emily, Bus.....	Seattle
Randolph, Sarah T, Jour.....	Seattle	Reno, Benjamin F, LA.....	Bellingham
Ranjo, Feodore A, Bus.....	Seattle	Renshaw, Edith I, FA.....	Spokane
Ranning, Fred, Bus.....	Seattle	Renshaw, Mildred B, LA.....	Spokane
Rauschert, Bryan, Engr.....	Stadium	Renshaw, Robert S, Bus.....	Seattle
Rapraeger, Elmer, For.....	Wausaw, Wis	Renwick, Edw C, LA.....	Spokane
Rardon, Marie, FA.....	Seattle	Renn, Vivian A, LA.....	Chelan
Rarig, Max, Bus.....	Seattle	Requa, Lulu Mildred, FA.....	Seattle
Rasmussen, Chas, Engr.....	Tacoma	Requa, Earl F, LA.....	Everett
Rasmussen, Evangeline E, LA.....	Skagway, Ala	Resurreccion, Jose N, Engr.....	Luna, P I
Rasmussen, Freda A, Bus.....	Seattle	Retzer, Lawrence, Bus.....	Seattle
Rasmussen, Winfield, Engr.....	Sultan	Reuter, Alexia M, Grad.....	Seattle
Ranta, Victor, Engr.....	Wilkeson	Reyes, Beuigno T, LA.....	Philippines
Rathbun, Elizabeth, Sci.....	Seattle	Reynolds, John D, LA.....	Seattle
Rathbun, Anna L, Edu.....	Seattle	Rhodes, Fred H, Jr, Engr.....	Seattle
Rattray, Marjorie, Sci.....	Seattle	Rhodes, Dorothy M, LA.....	Seattle
Raudinbush, George C, LA.....	Tacoma	Rhodes, Helen, LA.....	Seattle
Rautenberg, Alfred A, Engr.....	Seattle	Rhodes, Helen N, FA.....	Seattle
Rawlings, Margaret, LA.....	Tacoma	Rhodes, Josephine V, Edu.....	Spokane
Rawson, Charlotte, FA.....	Seattle	Rhodes, Leonard, Grad.....	Seattle
Ray, M E, LA.....	Seattle	Rhyne, Edith, LA.....	Dallas, Texas
Ray, Harold H, Bus.....	Seattle	Rice, Glenn G, LA.....	Chelan
Ray, Ruth, LA.....	Portland, Ore	Rice, Maud Ruth, Sci.....	Eagle, Ida
Ray, Verne F, LA.....	Seattle	Rice, Raymond A, LA.....	Kennewick
Raymond, Elizabeth M, Sci.....	Hannibal Mo	Richards, W Gordon, LA.....	Prosser
Raymond, Esther, FA.....	Seattle	Richards, John S, Bus.....	Spokane
Raymond, Gertrude, Grad.....	Seattle	Richards, Leon, Phar.....	Seattle
Raynor, Edna May, Sci.....	Victoria, B C	Richards, Edwln E, For.....	Port Townsend
Read, Leo P, Bus.....	Shelton	Richards, Lewis W, Sci.....	Renton
Reardon, K W, LA.....	Monroe	Richards, Marietta, LA.....	Seattle
Reaume, Wilhelmina, LA.....	Spokane	Richards, Max Doty, LA.....	Richmond Beach
Reckard, Kenneth E, LA.....	Billings, Mont	Richards, Thelma, LA.....	Chinook, Mont
Redford, Walter, Grad.....	Seattle	Richards, Thomas R, Bus.....	Veradale
Redling, Charles Q, Bus.....	Seattle	Richardson, Elizabeth C, LA.....	Yakima
Redpath, Catherine, LA.....	Olympia	Richardson, Gordon B, Engr.....	Seattle
Redpath, Lindley, For.....	Seattle	Richardson, Marlon, LA.....	Yakima
Reed, Caroline, Sci.....	Bellingham	Richardson, Carl T, Sci.....	Seattle
Reed, Donald L, Engr.....	Centralia	Richardson, George G, Engr.....	Hawaii
Reed, Frank C, For.....	Shelton	Richardson, Ingels W, Engr.....	Tacoma
Reed, Genevieve E M, LA.....	Redmond	Richardson, Wallace, Bus.....	Tacoma
Reed, Helen V, Sci.....	Seattle	Richoy, Mrs Charles, Edu.....	Seattle
Reed, Mary Alice, Bus.....	Estocada, Ore	Richford, M A, Engr.....	Seattle
Reed, R J, LA.....	Seattle	Richter, Leo C, Phar.....	Puyallup
Reed, Ruth, Bus.....	Redmond	Richter, Roland, Bus.....	Vancouver
Reed, Ralph J, Edu.....	Seattle	Richard, Richard M, LA.....	Seattle
Reed, William G, LA.....	Shelton	Richmond, Mabel, FA.....	Seattle
Reedy, Franklin A, LA.....	Seattle	Rickerts, Helen Louise, LA.....	Seattle
Reeder, Thomas A, FA.....	Seattle	Rickey, Jeanette, FA.....	Seattle
Reeder, Verma I, Edu.....	Seattle	Riddiford, Ruth, LA.....	Spokane
Reese, Delbert B, Bus.....	Yakima	Riebe, Edmund A, Bus.....	Seattle
Reese, Russell E, LA.....	Superior, Wis	Rieger, Erwin O, LA.....	Seattle
Reeve, Stanley, Bus.....	Chico	Rieger, Francis J, Phar.....	Onalaska
Reeves, Adele, Grad.....	South Bend	Rieger, Fred, LA.....	Bolsé, Ida
Reeves, James, Bus.....	Seattle	Riesgraf, Helen F, FA.....	Auburn
Reep, Raymond T, Bus.....	Everett	Riewe, Herbert F, FA.....	Auburn
Refling, Arnold, Law.....	Snohomish	Riesenweber, Frances H, LA.....	Olympia
Refling, Norman, LA.....	Snohomish	Rigg, Raymond N, Sci.....	Seattle
Rehbock, Donald J, Sci.....	Seattle	Riggs, Gwendolyn, LA.....	Seattle
Rehm, Jack R, LA.....	Aberdeen	Rijan, Grace, LA.....	Stanwood
Reinchart, Marguerite, Sci.....	Seattle	Riley, Betty, LA.....	Bellingham
Reid, Alice, LA.....	Seattle	Riley, Fenwick C, LA.....	Bellingham
Reid, Frances, LA.....	Seattle	Riley, Marsene, LA.....	Idaho Falls, Ida
Reid, M D, LA.....	Seattle	Ringrose, Rhody, Bus.....	San Francisco, Cal
Reid, William Thomas, Engr.....	Seattle	Rinker, Harry G, Bus.....	Seattle
Reiley, Sarafrances, FA.....	Seattle	Rinon, Gertrude N, Sci.....	Port Angeles
Reinhart, Madeline C, LA.....	Seattle	Ringrose, Harold A, LA.....	San Francisco, Cal
Reinhardt, Miriam, LA.....	Seattle	Rintala, Aurora, LA.....	Buckley

Ripley, Betty, LA.....	Seattle	Rosen, Johanna J, Sci.....	Monroe
Ripley, Cecil, Bus.....	Seattle	Rosen, William, Bus.....	Seattle
Riseland, Alice Ella, Bus.....	Bellingham	Rosenbaum, Adrian, LA.....	Seattle
Rising, L Walt, Grad.....	Seattle	Rosenbaum, Nathan, Bus.....	Seattle
Riss, Eleanor G, LA.....	Seattle	Rosenbaum, Joseph H, LA.....	Seattle
Riste, Victor, LA.....	Seattle	Rosendahl, Ily S, LA.....	Northport
Ritter, Edward, For.....	Republic	Rosene, Arthur H, Bus.....	Seattle
Rivera, Andres D, Sci.....	Paranaque, P I	Rosenquist, Oscar W, Edu.....	Bow
Rivers, Ralph J, LA.....	Fairbanks, Alaska	Rosenstein, Sophie, LA.....	Portland, Ore
Roach, Russel, Bus.....	Seattle	Rosewaine, John L V, Bus.....	Seattle
Roark, Anna, LA.....	Ennis, Mont	Ross, Bruce W, Engr.....	Missoula
Roats, John, Engr.....	Seattle	Ross, Donald L, Engr.....	Bellingham
Robb, Marian S, LA.....	Seattle	Ross, Dorothy Lucille, LA.....	Seattle
Robbins, Nadane I, LA.....	Seattle	Ross, Frank L, Bus.....	Seattle
Robbins, Fred M, For.....	Wauna	Ross, Fred K, LA.....	Vancouver
Roberson, L N, Engr.....	Seattle	Ross, Harriett, LA.....	Seattle
Roberson, Ray R, Engr.....	Everett	Ross, Harry L, Engr.....	Honolulu, Hawaii
Roberts, Betty, LA.....	Tacoma	Ross, John Rohrer, Bus.....	Boke, Ida
Roberts, Cass B, For.....	Seattle	Ross, Katherine, LA.....	Aberdeen
Roberts, David Aldwyn, Engr.....	Seattle	Ross, Robert B, For.....	Edmonds
Roberts, Ellis A, Engr.....	Seattle	Rosted, Daniel Post, For.....	Port Angeles
Roberts, Joseph D, LA.....	Seattle	Roth, Robert, Sci.....	Seattle
Roberts, William J, LA.....	Kindall	Roth, Adolph R, For.....	Washougal
Robertson, Dana A, LA.....	Seattle	Rotta, Allen, Engr.....	Seattle
Robertson, J C Hoy, For.....	Seattle	Rouner, Thomas J, Engr. Smith Center, Kans	
Robertson, Hazel L, LA.....	Seattle	Rousseau, Imogene, Edu. Wisconsin Rpts Wis	
Robertson, Margaret M, LA.....	Montesano	Rovig, Helen, LA.....	Seattle
Robertson, Peter R, For.....	Buckley	Rowe, Abble, LA.....	Fremont, Neb
Robie, Fred Edwin, Engr.....	Seattle	Rowe, Corinne, LA.....	Tacoma
Robinson, Ben, FA.....	Centralia	Rowse, William, For.....	Seattle
Robinson, Charles R, LA.....	Vashon	Rowell, Irving H, Engr.....	Seattle
Robinson, Clyde A, Law.....	Everett	Rowley, Harold C, Engr.....	Seattle
Robinson, Helen R, Sci.....	Edmonds	Rowntree, Grace, LA.....	Burlington, Wis
Robinson, Roal, Bus.....	Tacoma	Rowntree, R Henry, Grad.....	Seattle
Robinson, Rose, Grad.....	Centralia	Royal, Lloyd A, Fsh.....	Olympia
Robinson, Saint F, For.....	Cleveland, Ohio	Royster, Helen, LA.....	Seattle
Robinson, Sam T, LA.....	Hogulam	Rozema, Paul, Engr.....	Seattle
Robinson, Veranita J, FA. Holfevay, Ore		Rucker, Jasper, LA.....	Everett
Robison, Floyd A, Bus.....	Seattle	Rucker, Margaret, LA.....	Everett
Robison, John Holt, Sci.....	Longview	Ruddell, Eva Jean, LA.....	Yakima
Robson, Wesley, LA.....	Spokane	Ruddell, Hazel, LA.....	Seattle
Rock, Clifton D, LA.....	Cougar	Rude, Hazel, Edu.....	Seattle
Rockwitz, Alice, Engr.....	Seattle	Rudisill, Joan, Sci.....	Seattle
Rodgers, Dorothy, LA.....	Seattle	Rue, Walter D, LA.....	Seattle
Rodgers, Marcus D, Engr.....	Butte, Mont	Ruff, Frank, LA.....	Seattle
Rodgers, Roe P, Engr.....	Seattle	Ruffeorn, Geraldine, FA.....	Seattle
Rodgers, William, LA.....	Seattle	Rummel, Edith E, Grad.....	Tacoma
Rodman, Margaret C, LA.....	Nampa, Ida	Rundall, John, LA.....	Juneau, Alaska
Roe, Muriel, LA.....	Seattle	Runden, Ruth I, LA.....	Bremerton
Roe, Howard B, Sci.....	Auburn	Runte, James C, LA.....	Seattle
Roehr, Martha, Sci.....	Seattle	Runtz, George J, Jr, Sci. The Dalles, Ore	
Roish, Yetta, LA.....	Butte, Mont	Russell, A ID, Engr.....	Oakdale
Rogers, Catherine, Sci.....	Seattle	Russell, Bernice Ruth, FA.....	Washougal
Rogers, Cecil B, Sci.....	Petersburg, Alaska	Russell, Betty, FA.....	Seattle
Rogers, Clayton, LA.....	Anacortes	Russell, Charles H, LA.....	Harrison, Ida
Rogers, Ellen K, LA.....	Skagway, Alaska	Russell, W Harold, Engr.....	Spokane
Rogers, John C, Bus.....	Wallace, Ida	Russell, Roy N, Bus.....	Chewelah
Rogers, Marrian, Sci.....	Seattle	Russell, Ruby V, Sci.....	Granite Falls
Rogers, Melna C, Bus.....	Seattle	Russell, Vernon G, FA. San Bernardino, Cal	
Rogers, Russell, Bus.....	Spokane	Russo, Sam J, Bus.....	Seattle
Rogman, Ruth, FA.....	Seattle	Rust, Caramel R, Grad.....	Yakima
Rogozina, Ralsaa A, LA.....	China	Rust, Florence, LA.....	Seattle
Rohne, Lyle C, LA.....	Seattle	Rustia, Manuel S, Grad.....	Philippines
Rohowits, Edythe K, LA.....	Seattle	Rutherford, George, Edu.....	Garfield
Rohowits, Gerald M, LA.....	Seattle	Rutledge, C E, Engr.....	Seattle
Rohrbeck, Catherine, FA.....	Seattle	Rutledge, Ralph M, Grad.....	Mercer Island
Roll, Gladys G, LA.....	Seattle	Rutschow, Florence A, LA.....	Aberdeen
Romischer, William M, Min.....	Seattle	Rutschow, Minnie E, LA.....	Aberdeen
Roney, Ward W, Law.....	Seattle	Ryan, Benj F, Bus.....	Mukilteo
Rood, J. Sidney, LA.....	Seattle	Ryan, Eileen K, LA.....	Wallace, Ida
Roose, Clarence N, LA.....	Arlington	Ryan, Florence, LA.....	Seattle
Root, Englan S, Edu.....	Seattle	Ryan, Frank W, LA.....	Bremerton
Roper, Otis, Engr.....	Yacolt	Ryan, Geraldine, LA.....	Seattle
Rose, Jean M, LA.....	Seattle	Ryan, James G, Bus.....	Multnomah, Ore
Rose, Julia Florence, LA.....	Seattle	Ryan, James M, Engr.....	Seattle
Rose, Jerome J, Bus.....	Seattle	Ryan, Katherine, Bus.....	Castle Rock
Rose, Keith R, Bus.....	Malson	Ryan, Maurice F, Bus.....	Fraser Mills, BC
Rose, Dorothy, FA.....	Olympia	Ryan, Vera Kathleen, Bus.....	Wallace, Ida
Rose, Marian P, LA.....	Aberdeen	Rydeen, Randall E, Bus.....	Cedar Falls
Rose, Robert C, LA.....	Olympia	Ryder, Edmund, Engr.....	Seattle
Rose, Vander J, LA.....	Seattle	Ryno, John R, Engr.....	Seattle

Ryus, Ruth Leory, FA.....Seattle

Sabin, Roy Henry, Bus.....Tacoma
 Sahli, Walter A, LA.....Hoquiam
 Sallsbury, Albert P, For.....Seattle
 Salladay, Helen Frances, LA.....Joseph, Ore
 Salladay, Thelma, LA.....Joseph, Ore
 Salter, Esther Alleen, Sci.....Pt Blakeley
 Sample, George, Bus.....Seattle
 Sams, Arch M, For.....Skamania
 Sams, Mrs Dorothy, LA.....Seattle
 Sampson, Eugene G, LA.....Marshfield, Ore
 Sampson, Evelyn Mae, LA.....Ketchikan, Alas
 Samson, Edna H, Edu.....Bellinham
 Samson, Victor J, LA.....Seattle
 Samuelson, Mildred E, Edu.....San Jose, Cal
 Samzelius, Alpha L, LA.....Monroe
 Sanchez, Isabelo G, Sci.....Macaleon, P I
 Sander, Lucile, LA.....Tacoma
 Sandall, Loretta, LA.....Seattle
 Sandbrink, Alice M, LA.....Ritzville
 Sandeen, Esther, LA.....Wallace, Ida
 Sanders, Bernadine V, Sci.....Bremerton
 Sanders, Leslie, Grad.....Seattle
 Sanders, Mary Margaret, LA.....Entiat
 Sandgren, Esther, Edu.....Seattle
 Sandholtz, Evelyn, Bus.....Seattle
 Sandifur, Priscilla L, FA.....Portland, Ore
 Sandquist, Carl, LA.....Tacoma
 Sandstrom, Lorentz, Jr, Bus.....Seattle
 Sanford, Blanche, LA.....Seattle
 Sanford, Eddie H, Bus.....Bucoda
 Sanford, Harrison, Bus.....Seattle
 Sanford, Henry S, Bus.....Seattle
 Sanford, Marcus, Engr.....Seattle
 Sangster, Ted M, Bus.....Clarkston
 Sankela, William, For.....Ilwaco
 Sargent, Phyllis L, LA.....Seattle
 Sarki, Lillie O, LA.....Northport
 Sather, Alice, Sci.....Burlington
 Sather, Norton C, LA.....Seattle
 Sather, Edgar W, Bus.....Seattle
 Saturnino, Eligio F, Bus.....Philippines
 Saunders, Irma L, LA.....Tacoma
 Saunders, Virginia, LA.....Seattle
 Saundes, Florence H, Grad.....Seattle
 Savage, George N, Jr, LA.....Tacoma
 Savage, Margaret E, Sci.....Tacoma
 Savage, Robert, Grad.....Pullman
 Savage, Thomas, Bus.....Birdsview
 Savery, Barnett, LA.....Seattle
 Sawhill, Mary Louise, LA.....Seattle
 Sawyer, David H, For.....Grandview
 Saxton, Ralph C, Jr, LA.....Seattle
 Sayre, Elinore, FA.....Seattle
 Sayre, Harrold, For.....Seattle
 Scarbrough, Dorathee, LA.....Olympia
 Scarbrough, Louis, LA.....Olympia
 Schacht, Ronald W, LA.....Burlington
 Schade, Robert, Bus.....Seattle
 Schaefer, Oscar, Bus.....Seattle
 Schaefer, Claude B, LA.....Seattle
 Schaefer, Edward, LA.....Elma
 Schaffer, Norwood K, Sci.....Seattle
 Scheffer, Theodore C, For.....Puyallup
 Schegolkov, Tatitana, Sci.....Seattle
 Schegolkov, Victor, Engr.....Seattle
 Scheitlin, Frieda M, LA.....Glendive, Mont
 Schell, Theodore, LA.....Seattle
 Schell, Irene, Bus.....Seattle
 Schell, Thomas J, Bus.....Seattle
 Schellin, Albert, For.....Seattle
 Schenk, R Edward, LA.....South Bend
 Schenken, Robert, Edu.....Seattle
 Scherer, Dorothy M, LA.....Chehalis
 Schermerhorn, Lee R, Engr.....Seattle
 Scheuch, Carl W, Jr, Law.....Zenith
 Scheuer, Frank J, Engr.....Tukwila
 Scheuerman, Ruby, LA.....Seattle
 Scheumann, Roger, Engr.....Seattle

Scheyer, Myra E, Phar.....Sedro-Woolley
 Schimke, Harold, Sci.....Odessa
 Schimke, Leo S, Phar.....Odessa
 Schindler, Ernest B, Engr.....Seattle
 Schindler, Marion W, LA.....Port Angeles
 Schlageter, Harold J, FA.....Bremerton
 Schlag, Russell T, Engr.....Seattle
 Schlarb, Elizabeth, LA.....Tacoma
 Schlegel, M Hoover, Bus.....Everett
 Schlegel, Wm B, Bus.....Tacoma
 Schlicting, Hugh, Engr.....Davenport
 Schlorstein, Clifford, For.....Yakima
 Schmid, Galvin F, Grad.....Seattle
 Schmidt, Ida J, Sci.....Cle Elum
 Schmidtman, Robert B, Engr.....Seattle
 Schmitz, Ferdinand, Jr, For.....Seattle
 Schumoger, Clyde L, Bus.....Seattle
 Schneider, Kurt W, FA.....Seattle
 Schneider, William, Bus.....Everett
 Schneiderman, Harry, Bus.....West Kelso
 Schoegg, Carl, Bus.....Winlock
 Schoettler, A J, Bus.....Seattle
 Schofield, Alfred C, Min.....Seattle
 Schofield, Gwendolyn, Grad.....Seattle
 Scholl, Frances, LA.....Mercer Island
 Scholl, Miriam, LA.....Seattle
 Schonhard, George M, Bus.....Seattle
 Schooley, Harold A, Phar.....Seattle
 Schoppe, Mary H, FA.....Santa Monica, Cal
 Schreuder, Ludwig, LA.....Seattle
 Schroeder, Karsten A, Bus.....Cottonwood, Ida
 Schrock, Clarice, FA.....Okanogan
 Schrock, Janice, FA.....Okanogan
 Schrock, Mary, Sci.....Seattle
 Schroeder, Ellen, LA.....Seattle
 Schroeder, M L, LA.....Seattle
 Schubert, Helen, LA.....Seattle
 Schuett, Henryetta, LA.....Seattle
 Schuh, Le Roy, Engr.....Everett
 Schultheis, Frederick, LA.....Seattle
 Schusman, Dorothy J, Educ.....Snoqualmie
 Schultz, Enid S, Bus.....Seattle
 Schultz, George, LA.....Seattle
 Schumacher, Walter C, FA.....Shelton
 Schuman, Harry Leon, LA.....Bellingham
 Schuman, Sara Hirsch, FA.....Bellingham
 Schumer, Anne, LA.....Seattle
 Schunke, Gustave B, Sci.....Seattle
 Schuss, Albert G, Law.....Kelso
 Schwager, Lewis Jr, LA.....Seattle
 Schwarz, Eleanor, FA.....Seattle
 Schwartz, Belda Claire, Sci.....Seattle
 Schwarz, Pauline, LA.....Seattle
 Schweizer, Carl A, Bus.....Seattle
 Schwiesow, Will H, Grad.....Seattle
 Scofield, Irene, Sci.....Seattle
 Scofield, Susan Ada, FA.....Tacoma
 Scoones, Phyllis E, LA.....Seattle
 Scott, J Cosmo, Sci.....Victoria, BC
 Scott, Elsie Margaret, LA.....Twisp
 Scott, Frances, Sci.....Seattle
 Scott, Harlan, LA.....Spokane
 Scott, Herbert J, Engr.....Seattle
 Scott, Hilda I, Sci.....Seattle
 Scott, Jessie W, Grad.....Seattle
 Scott, Lydia Forbes, Grad.....Idaho Falls, Ida
 Scott, Lydia Louise, Grad.....Seattle
 Scott, Marjorie, Sci.....Seattle
 Scott, Mathes, LA.....Seattle
 Scott, Myron A, For.....Mukilteo
 Scott, Norman, Sci.....Tacoma
 Scott, Peggy, LA.....Seattle
 Scott, Ralph Clark, Bus.....Seattle
 Scott, Sara, LA.....Vancouver
 Scoville, Ray R, Engr.....Seattle
 Seabury, Jessie M, LA.....Seattle
 Sealls, Margaret C, Grad.....Seattle
 Scaman, John, LA.....Wenatchee
 Searle, Haroldine, Sci.....Tacoma
 Searis, Helen E, LA.....Seattle
 Sears, Edith K, LA.....Deer Lodge, Mont

Sebastian, Smforoso P, Sci.....	Philippines
Sebree, Trowbridge E, Bus.....	Seattle
Secrest, Ruth V, FA.....	Seattle
Sedgwick, Thomas, FA.....	Tacoma
Seecamp, Nedra G, FA.....	Seattle
Seecamp, John F, Engr.....	Seattle
Seelye, Helen L, Grad.....	Seattle
Seelyle, Jessie, LA.....	Seattle
Segerstrom, Edna, Bus.....	Seattle
Seibert, Rachel I, LA.....	Seattle
Seldell, Stanley A, LA.....	Sedro-Woolley
Seldenfeld, Morton A, Phar.....	Seattle
Seldenverg, Sanford, LA.....	Seattle
Selfert, Helen, LA.....	Bremerton
Seljas, Smador, LA.....	Seattle
Seltzick, Jerome K, Law.....	Seattle
Sekor, Muri, LA.....	Tacoma
Selde, Frances, Edu.....	Peach
Selly, Miriam, Edu.....	Bellingham
Sell, Myrtle M, Edu.....	Seattle
Sells, John A, Sci.....	Bellingham
Selmensky, Dmitry, Engr.....	Russia
Seltzer, Lawrence, Law.....	Spokane
Selvidge, Lewis, LA.....	Olympia
Semb, Bahven, Sci.....	Puyallup
Semon, Darrell, Bus.....	Medford, Ore
Senior, Carl N, Bus.....	Seattle
Seennes, Gertrude J, Edu.....	Tacoma
Sensenig, Kathryn, LA.....	Boise, Ida
Silver, Louis M, Bus.....	Colfax
Severin, Roy T, Bus.....	Seattle
Senty, Florian G, Bus.....	Billings, Mont
Severer, Bernard C, Sci.....	Seattle
Sevidal, Benigno, LA.....	Philippines
Sewall, Betty, LA.....	Portland, Ore
Sey, Harriet Ann, LA.....	Douglas, Alaska
Sey, Martha, Sci.....	Douglas, Alaska
Seyler, Ernestine, Edu.....	Port Arthur, Can
Seymour, Gladys E, LA.....	Seattle
Seymour, Keith M, Edu.....	Ellensburg
Shafer, Katherine, LA.....	Seattle
Shager, Grant H, Sci.....	Seattle
Shain, Julius, Law.....	Seattle
Shaller, Jim Floyd, Bus.....	Seattle
Shannafelt, William A, LA.....	Sunnyside
Shansby, Benjamin E, LA.....	Seattle
Shank, Edward, LA.....	Long Beach
Shank, Virginia, LA.....	Seattle
Shanklin, Mearle M, LA.....	Tacoma
Shannon, Dee, LA.....	Seattle
Shannon, Henry A, Sci.....	Seattle
Shannon, Margaret F M, LA.....	Wenatchee
Sharnborg, Allan G, Engr.....	Bellevue, Iowa
Sharp, Glenna Frances, LA.....	Seattle
Sharp, Mrs Mary P, Grad.....	Seattle
Shat, Aurang, Sci.....	India
Shattuck, Curtis G, LA.....	Juneau, Alaska
Shattuck, Margaret E, LA.....	Seattle
Shattuck, Virginia, Sci.....	Juneau, Alaska
Shaughnessy, Albert, Engr.....	Auburn
Shaw, Clayton B, Grad.....	Spokane
Shaw, Frank, LA.....	Seattle
Shaw, Harold, Engr.....	Puyallup
Shaw, Harry A, LA.....	Seattle
Shaw, Jean B, LA.....	Seattle
Shaw, Josephine, LA.....	Seattle
Shaw, Marian E, FA.....	Seattle
Shaw, Miachen Slang, Grad.....	China
Shaw, Richard P, LA.....	San Francisco, Calif
Shaw, Robt F, LA.....	Seattle
Shaw, Ruth Leona, Sci.....	Seattle
Shaw, Virgil F, LA.....	Seattle
Shaw, H Walter, LA.....	Victoria, BC
Shawhan, Fern Dale, LA.....	Seattle
Shea, Ruth B, LA.....	Mt Vernon
Shearer, Florence, Sci.....	Enumclaw
Sheehan, Mary M, Grad.....	Seattle
Sheehan, Paul V, LA.....	Everett
Sheets, Hilma Ilene, FA.....	Seattle
Sheldon, Mary E, Bus.....	Seattle
Shelley, William, LA.....	Seattle
Sheller, Dorothy, LA.....	Everett
Shellenberger, John A, Engr.....	Seattle
Shilton, Helen, LA.....	Seattle
Shopard, Evelyn, LA.....	Puyallup
Shepard, Elizabeth Mary, LA.....	Wenatchee
Shepard, Kathryn, LA.....	Seattle
Sheppard, Jessie, Edu.....	Orange, NJ
Sheppard, Lucille, Bus.....	Seattle
Shera, Brian L, Engr.....	Tacoma
Shera, Madge F, LA.....	Tacoma
Sherman, Leslie A, Bus.....	Everett
Sherrer, Helen M, Sci.....	Seattle
Sherrick, Hazel L, Grad.....	Seattle
Sherrill, Harold D, Engr.....	Tacoma
Sherrill, Mildred, Sci.....	Tacoma
Sherson, Grace W, FA.....	Seattle
Sherwood, Asa, Sci.....	Puyallup
Sheviakov, George V, LA.....	Italy
Shelving, Charles E, Engr.....	Seattle
Shigemura, Chleko, Bus.....	Seattle
Shinkle, Morton Catherine, LA.....	Spokane
Shinolt, Robert, LA.....	Seattle
Shomar, George W, Bus.....	Port Angeles
Showell, Gwendoline, LA.....	Bryn Mawr
Shrader, Merwin J, Bus.....	Harrington
Sherwood, Howard, LA.....	Portland, Ore
Shlach, Alice Josephine, LA.....	Kirkland
Shibata, Welly Tatsuo, Sci.....	Seattle
Shichinohe, Sanzo, Grad.....	Japan
Shidler, Harold, Bus.....	Seattle
Shields, Josephine R, LA.....	Seattle
Shih, Bacon, Bus.....	China
Shinbo, Hachiro, Sci.....	Seattle
Shinkai, James, LA.....	Seattle
Shinkai, Tsunguo T, Engr.....	Seattle
Shinoda, Akira, Engr.....	Tacoma
Shiomi, Roy, Engr.....	Seattle
Shipley, Ethelyn, Grad.....	Seattle
Shipley, Jean, Bus.....	Seattle
Shipton, Pauline, LA.....	Chelan
Shohlad, Ralph, Bus.....	Seattle
Shoblad, Helene, LA.....	Seattle
Shollenberg, J Wayne, Bus.....	Seattle
Shoret, Lamont J, FA.....	Seattle
Sharick, George Orton, LA.....	Tacoma
Short, Spicer D, Law.....	Ellensburg
Showalter, Virginia Belle, FA.....	Cheney
Showalter, N D Jr, Engr.....	Cheney
Shreck, Mildred, LA.....	Seattle
Shryock, Katharine, LA.....	Seattle
Shucklin, Gerald, LA.....	Seattle
Shull, J T, Grad.....	Missoula, Mont
Shull, W A, Engr.....	Oakville
Shulte, Philip R, Sci.....	Seattle
Shuman, Richard F, Sci.....	Seattle
Silbert, Ira N, FA.....	Puyallup
Sibley, June, Sci.....	Seattle
Cicade, Sarah B, FA.....	Tacoma
Sickler, B J, Bus.....	Yakima
Sickles, Trent, Phar.....	Seattle
Sidell, Irving T, Bus.....	Seattle
Sieglis, David Phillips, Bus.....	Seattle
Siegrist, Herbert H, Bus.....	Seattle
Sievers, Esther Elsey, Edu.....	Marion, Kan
Sievers, John F, LA.....	Everett
Sievers, Verne, Bus.....	Everett
Silliman, Hugh G, Engr.....	Seattle
Silliman, Reno Martin, LA.....	Boone, Iowa
Silva, Elizabeth McDonnell, Edu.....	Seattle
Silva, Julio W, Bus.....	Seattle
Silver, Clara, LA.....	Seattle
Silver, Harry, Phar.....	Seattle
Silver, Judith, FA.....	Seattle
Silverstone, L E, Bus.....	Seattle
Simcoe, Philip S, For.....	Port Townsend
Simmonds, Dorothy P, FA.....	Seattle
Simmons, Thowald C, Bus.....	Seattle
Simmons, William Olaf, For.....	Olympia
Simon, Henrietta, Bus.....	Seattle
Simpson, Donald, Edu.....	Seattle
Simpson, Elizabeth, LA.....	Seattle

Simpson, Ellene V, FA.....	Spokane	Smith, Maynard, Bus.....	Penawawa
Simpson, Vernon L, LA.....	San Francisco, Cal	Smith, Otis Eugene, LA.....	Tacoma
Sims, Bertha May, LA.....	Victoria, BC	Smith, Orville L, LA.....	Naches
Sinclair, Edythe, LA.....	Naches	Smith, C Preston, Bus.....	Seattle
Sinclair, H Maclean, Sci.....	Pasadena, Cal	Smith, Raymond C, Grad.....	Merritt
Singer, Harold I, Bus.....	Seattle	Smith, Raymond C, Sci.....	Sedro Woolley
Singer, H W, For.....	Vancouver, GC	Smith, Richmond, Bus.....	Seattle
Singson, Juan Donato, Min.....	Philippines	Smith, Richard D, LA.....	Sumner
Sisler, Dorothy, FA.....	Seattle	Smith, Richard W, Engr.....	Ellisport
Sister, Alicia Mary, LA.....	Seattle	Smith, Ronald, Engr.....	Seattle
Sister, Esther Mary, Edu.....	Seattle	Smith, Rosa L, Grad.....	Asotin
Sister, M Eulalia Teresa, Edu.....	Seattle	Smith, Roscoe A, Bus.....	Seattle
Sister, M Frances C, Grad.....	Seattle	Smith, Roy D, LA.....	Sprague
Sister, M Josita, LA.....	Seattle	Smith, Shirley, FA.....	Seattle
Sister, M Leonella, Grad.....	Seattle	Smith, Sydney, LA.....	Raymond
Sister, Mary Austin, Edu.....	Seattle	Smith, Thad O, Min.....	Seattle
Sister, Mary Patrick, Grad.....	Seattle	Smith, Theresa, FA.....	Boise, Idaho
Sister, M Veronica, Edu.....	Seattle	Smith, Tremaine J, Law.....	Seattle
Sjanstad, Anna O, Edu.....	Tagus, ND	Smith, W J, Bus.....	Seattle
Skansle, Clementine, LA.....	Gig Harbor	Smith, A Zanonla, LA.....	Everett
Skeith, Auastasia B, LA.....	New Dayton, Can	Smull, Victor A, Edu.....	Seattle
Skibness, Marie B, Edu.....	Benson, Minn	Smythe, Ralph, LA.....	Tacoma
Skinner, Kenneth G, Engr.....	Aberdeen	Sneve, Emma, Unmat.....	Kent
Skinner, Selly M, LA.....	Seattle	Snider, Floyd, Engr.....	Seattle
Slater, Lloyd B, LA.....	Spokane	Snider, Gertrude, LA.....	Seattle
Slater, Whladdon E, LA.....	Seattle	Snider, Monty, Bus.....	Seattle
Slauson, Celesti, LA.....	Seattle	Snider, William J, FA.....	Puyallup
Slavin, J, Sci.....	Seattle	Snidow, Beulah F, LA.....	Seattle
Slawson, Charles J, Jr, Bus.....	Spokane	Snidow, Harriet V, Grad.....	Willametta, Ore
Sliger, Leroy Ellison, Phar.....	Tacoma	Snoddy, Roy Johnstone, For.....	Arlington
Slipper, Lorna, LA.....	Hamilton	Snodgrass, Edwin W, Bus.....	Everett
Slipper, Marianne L, LA.....	Seattle	Snoko, Albert, Sci.....	Puyallup
Slipper, Thomas A, LA.....	Hamilton	Snow, Gordon W, LA.....	Seattle
Sloan, Sterling David, FA.....	Seattle	Snyder, Hart, Law.....	Seattle
Sloan, Wayland C, Bus.....	Seattle	Snyder, Helen Verna, LA.....	Seattle
Stock, Forrest W, Bus.....	Auburn	Snyder, Howard B, LA.....	Everett
Slocum, Frances, LA.....	Seattle	Snyder, Loyal R, Law.....	Seattle
Slover, James Lowell, LA.....	Aberdeen	Soldan, Dorothy C, LA.....	Snohomish
Slowinske, George A, Engr.....	Seattle	Soderberg, Miriam, LA.....	Seattle
Smaby, Marie H, Sci.....	Ocean Falls, BC	Soderling, Harriet Irene, FA.....	Seattle
Smaby, Sylvia H, Sci.....	Ocean Falls, BC	Soderquist, Albert A, Engr.....	Kearney, Nebr
Small, Iila Marie, LA.....	Seattle	Sogard, Albert M Jr, Bus.....	Seattle
Smetheram, F E, Bus.....	Spokane	Sogn, Harold E, Sci.....	Anchorage, Alaska
Smith, Alverna Rowena, FA.....	Seattle	Saller, Telesfaro G, Grad.....	Cabugao, PI
Smith, A M, Sci.....	Vancouver, BC	Solomon, Norma, LA.....	Seattle
Smith, Bernice, LA.....	Enumclaw	Somers, Eleanor, FA.....	Seattle
Smith, Beulah, LA.....	Everett	Sommer, Eugene, LA.....	Seattle
Smith, Cecil H, FA.....	Bellingham	Sommer, Helen, LA.....	Seattle
Smith, Charlotte B, LA.....	Wenatchee	Sommers, Buford, Sci.....	Spokane
Smith, Dean M, Bus.....	Seattle	Sonju, Norman, Fsh.....	Poulsbo
Smith, Mrs Christian D, Grad.....	Seattle	Sopevith, E C, Engr.....	Seattle
Smith, C J, Engr.....	Victoria, BC	Soriano, Dominador A, LA.....	Labo, PI
Smith, Delmar E, Engr.....	Anaconda, Mont	Sorenson, Gladys Margaret, Grad.....	Bellevue
Smith, Doris Lucile, FA.....	Vancouver, BC	Sorenson, Engle, LA.....	Bellevue
Smith, Dorothy L, FA.....	Seattle	Sorensen, Florence, LA.....	Seattle
Smith, Dorothy Mare, Bus.....	Wenatchee	Sorensen, Harold, Bus.....	Seattle
Smith, Edna Bowman, FA.....	Evanston, Ill	Soth, Phillip, Sci.....	Kennewick
Smith, Ferguson G, LA.....	Regina, Sask	Sotto, Eugenio J, LA.....	Philippines
Smith, Frances E E, LA.....	Hamilton	Southard, Edna Lutz, LA.....	Seattle
Smith, Frances, Elaine, FA.....	Seattle	Southard, Lloyd C, LA.....	Seattle
Smith, Frederick C, Engr.....	Seattle	Southern, Vinton, Law.....	Seattle
Smith, Gail W, LA.....	Seattle	Southwick, Charles, Grad.....	Chelan
Smith, Gerald, Bus.....	Miller River	Southwell, Lorene, Sci.....	Tacoma
Smith, Graham J, LA.....	Seattle	Sparkman, Donald R, LA.....	Seattle
Smith, Harold, Engr.....	Seattle	Sparling, Bob G, Bus.....	Hoquiam
Smith, Harritte Gladys, LA.....	Arlington	Sparling, Donald H, Engr.....	Hoquiam
Smith, Helen Faye, Sci.....	Tacoma	Sparling, George W, For.....	Seattle
Smith, Herbert H, Engr.....	Elma	Spankie, Donald F, Bus.....	Vancouver, BC
Smith, Hjords, FA.....	Seattle	Spaulding, Dan W, Bus.....	Kelso
Smith, Iloe Violet, FA.....	Seattle	Spear, Mildred C, Grad.....	Seattle
Smith, Iris M, LA.....	Montesano	Spear, Helen Elizabeth, FA.....	Seattle
Smith, John Carson, Engr.....	Bellingham	Spellar, James B, LA.....	Seattle
Smith, Joyce Floy, LA.....	Poplar, Mont	Spelman, Francis C, LA.....	Seattle
Smith, Katherine M, LA.....	Bellingham	Spence, Douglas J, Engr.....	Edmonds
Smith, Lenore Christine, Sci.....	Seattle	Spencer, Elman Y, Bus.....	Great Falls Mont
Smith, Lorna, LA.....	Seattle	Spencer, John W, For.....	Seattle
Smith, Louise, LA.....	Mt. Vernon	Spencer, Lyman Louis, Engr.....	Oroville
Smith, Margaret Armitha, Phar.....	Pinehurst	Spengler, William C, Sci.....	Seattle
Smith, Margaret Romaine, LA.....	Honolulu	Spicer, Mildred, Sci.....	Hoquiam
Smith, Marjorie, LA.....	Seattle	Spiech, Aurelia, LA.....	Yakima
Smith, May Belle, Edu.....	Seattle	Spillers, Curtis W, LA.....	Monroe

Spindler, Hazel Irene, LA.....	Spokane
Sporseen, E Dayny, Lib.....	Sequim
Sprague, Earl D, Bus.....	Everson
Sprague, Floyd M, Phar.....	Elder, Mont
Sprague, Joan H, FA.....	Seahurst Park
Sprague, A Milton, Grad.....	Seattle
Springer, Hestell, Sci.....	Seattle
Springsteen, Margaret, LA.....	Seattle
Sprinkle, Frances Margaret, LA.....	Tacoma
Spurgeon, Bonnell, Sci.....	Seattle
Squire, Fred C, Bus.....	Yakima
Squire, Crystal I, LA.....	Yakima
Squiris, Roy W Jr, For.....	Seattle
Stack, Russell Fleisckkauer, Law.....	Seattle
Stafford, Elizabeth, LA.....	Seattle
Stager, Helen E, Sci.....	Seattle
Stalberg, Vera, LA.....	Everett
Stalker, Guy H, Edu.....	Grace, Idaho
Stamm, Claus H, Sci.....	Seattle
Stancilffe, S Allene, LA.....	Seattle
Standard, Gertrude, LA.....	Seattle
Stangeland, Helen, LA.....	Sacramento, Cal
Stanley, Allen, LA.....	Seattle
Stanley, E C, LA.....	Seattle
Stanley, Emery Raymond, For.....	Seattle
Stanley, Evelyn M, LA.....	Seattle
Stanley, Marjorie R, FA.....	Portage
Stansbery, Douglas C, Bus.....	Seattle
Stansbery, Norman, Sci.....	Seattle
Stapleton, John M, LA.....	Goldendale
Stapleton, Margaret L, Grad.....	Bellingham
Stapleton, Sally, LA.....	Duvall
Stare, Elizabeth, LA.....	Seattle
Stark, Ada Viola, LA.....	Portland, Ore
Stark, Eugene E, Law.....	Seattle
Stark, Melvin, Bus.....	Seattle
Starr, Geraldine, LA.....	Seattle
Starr, Jessie Helen, FA.....	Naches
Starr, Mary Elizabeth, Sci.....	Seattle
Starr, Oscar L, Grad.....	Seattle
Staten, Francis A, Grad.....	Seattle
Stearns, W H Jr, Engr.....	Vista, Cal
Stand, George A, Grad.....	Seattle
Stedman, Vera, Grad.....	Seattle
Steele, Eleanor, LA.....	Seattle
Steele, Lloyd E, Engr.....	Everett
Steele, Zoe, FA.....	Seattle
Steen, Elizabeth J, LA.....	Seattle
Steen, Herbert, Engr.....	Concrete
Steffan, Edward, Engr.....	Seattle
Steinhart, Arden, Bus.....	Seattle
Steinmetz, Helen, LA.....	Seattle
Stengel, Harlowe, LA.....	Seattle
Steine, Lowell, LA.....	Indianapolis, Ind
Steiner, Dorothy J, LA.....	Tacoma
Stephens, Irene, Sci.....	Seattle
Stevens, Belle Alice, Grad.....	Maltby
Stevens, Catherine, LA.....	Seattle
Stevens, Eileen, Bus.....	Seattle
Stevens, Frances E, Jr, LA.....	Pasadena, Cal
Stevens, George, Engr.....	Everett
Stevens, Ivan Earl, Engr.....	Pt Orchard
Stevens, Joseph R, Engr.....	Tacoma
Stevens, Loraine Helen, FA.....	Wenatchee
Stevenson, Florence, Sci.....	Seattle
Stevenson, H J, Bus.....	Seattle
Stevenson, R LaRue, LA.....	Seattle
Stevenson, Robert John, Grad.....	Seattle
Stevens, Robert R, Bus.....	Seattle
Stewart, Albert Malcolm, Bus.....	Seattle
Stewart, Alexander K, LA.....	Tacoma
Stewart, Dorothy, Sci.....	Centralia
Stewart, Emma J, Grad.....	Portland, Ore
Stewart, Harold A, Min.....	Seattle
Stewart, Helen Theresa, FA.....	Seattle
Stewart, Jean Douglas, FA.....	Mercer Island
Stewart, Mary, Sci.....	Wenatchee
Stewart, Malcolm L, LA.....	Mercer Island
Stewart, Mary Vernita, FA.....	Waxahachie, Tex
Stewart, Phil H, Engr.....	Seattle
Stewart, Richard H, LA.....	New York City
Stewart, Ruth, LA.....	Seattle
Stickels, Carrie Elaine, Sci.....	Seattle
Stieman, Elizabeth, LA.....	Bellevue
Stillson, Esther Jane, LA.....	Seattle
Stimpson, Mabel, Sci.....	Bellingham
Stinson, Verna O, LA.....	Seattle
Stith, Kathryn, LA.....	Seattle
Stith, Richard Lewis, Engr.....	Seattle
Stitt, Margaret N, LA.....	Seattle
Stiffler, Marden K, LA.....	Seattle
Stiles, Dorothy, LA.....	Seattle
Sterling, Gaylord L, Bus.....	Lakeview
Sterling, Thomas B, Law.....	Walla Walla
St. John, Harold C, Bus.....	Chehalis
Stocker, Hollis O, Sci.....	Seattle
Stockwell, Malcolm, Bus.....	Aberdeen
Stockwell, Richard, Bus.....	Aberdeen
Stoddard, Wayne, Bus.....	Everett
Stohlton, Arthur, FA.....	Seattle
Stokes, Margaret Ruth, LA.....	Seattle
Stombaugh, John For.....	Vancouver
Stone, Bessie H, LA.....	Seattle
Stone, Conley A, Bus.....	Cosmopolis
Stone, Edward T, LA.....	Seattle
Stone, Helen B, LA.....	Cosmopolis
Stone, Harold R, LA.....	Seattle
Stone, Howard C, Engr.....	Seattle
Stone, Lealie A, Bus.....	Bellingham
Stone, Nellie C, Grad.....	Spokane
Stone, Lucia May, Edu.....	Seattle
Stoncipher, Blanche, FA.....	Waltburg
Stoneman, A V, LA.....	Seattle
Storey, Eunice, LA.....	Seattle
Storey, Guinevere, Sci.....	Kirkland
Stotler, Kenneth, Bus.....	Seattle
Stout, Walter A, Bus.....	San Diego, Cal
Stout, Wesley E, Bus.....	Seattle
Stovall, Wilalyn, Phar.....	Seattle
Stover, Leone, Sci.....	Seattle
Stow, Everett, LA.....	Aberdeen
Stowell, Ralph J, Bus.....	Seattle
Stoy, Nell, LA.....	Seattle
St Peter, Neva, FA.....	Seattle
St. Peter, Neva, FA.....	Seattle
Stradley, Muriel Ernesta, Bus.....	Seattle
Strachila, Joseph, Engr.....	Clippert
Strahl, Merton Palmer, Sci.....	Brooklyn, NY
Strain, Kenneth, Bus.....	Seattle
Strand, Clara, LA.....	Seattle
Strand, Raymond, LA.....	Seattle
Strand, Sophie, FA.....	Seattle
Strand, Victorio, FA.....	Vancouver
Strange, Roy M, Bus.....	Seattle
Strandberg, Herbert V, Engr.....	Seattle
Stranz, Martin F, For.....	Seattle
Stratther, Adelyn, Bus.....	Los Angeles, Cal
Stratton, Felice A, LA.....	Seattle
Stratton, H M, For.....	Seattle
Stratton, Irving Rodd, Law.....	Seattle
Straw, Edward P, LA.....	Seattle
Strluch, John, Bus.....	Tacoma
Strecker, Burr W, FA.....	Spokane
Streets, Janet, Sci.....	Seattle
Stringer, Harold, Sci.....	Benton City
Stitch, Irene, LA.....	Reed Point, Mont
Strizek, Paul J, Sci.....	Seattle
Stroble, Raymond R, Sci.....	Seattle
Strobl, Wellington M, Engr.....	Seattle
Strong, Richard S, Law.....	Seattle
Strong, F W, Bus.....	New Haven, Conn
Strout, Hazel, Phar.....	Seattle
Strother, Charles Riddell, LA.....	Seattle
Stroud, Rollier C, LA.....	Seattle
Strouse, Margaret F, FA.....	Seattle
Strout, W Clyde, LA.....	Seattle
Struthers, Selma, LA.....	Walla Walla
Stryker, Getchen, FA.....	Everett
Stuart, Laura E, LA.....	Seattle
Stuart, V Ray, Sci.....	Seattle
Studebaker, Georgia, LA.....	Castle Rock
Stuermer, Ernest, Engr.....	Harrington

Stuht, Boyd, LA.....Seattle
 Stumfall, Sylvester R, LA.....Everett
 Stunkhard, Russell, Engr.....Seattle
 Stuntz, George, Law.....Seattle
 Sturges, Beatrice Evelyn, LA, Jerome, Ida
 Sturgis, Alice, LA.....Sturgis, Mich
 Sturgis, Henrietta J, LA.....Sturgis, Mich
 Sturgis, Isabel, LA.....Seattle
 Sturtevant, Faith E, LA.....Seattle
 Stwalley, Ruth Isabel, LA.....Tacoma
 Stybau, Winifred M, LA.....Seattle
 Suffel, W Ewart G, LA.....Seattle
 Sugimachi, Yaemitsu, LA.....Japan
 Sullivan, Mark, LA.....Seattle
 Sully, Chas D, Bus.....Seattle
 Sumi-ko, Takai, FA.....Vashon
 Summers, Marian A, LA.....Seattle
 Summers, Wayne M, LA.....Seattle
 Sundling, Doris, Grad.....Seattle
 Sundquist, Ida E, Sci.....Mt Vernon
 Sundsten, Agnes, LA.....Seattle
 Sundstrom, William J, Bus.....Du Pont
 Sunnell, Bertha, Edu.....Mt Vernon
 Suomela, George E, Edu.....Ilwaco
 Sutematse, Otani, LA.....Seattle
 Sutherland, Alice, LA.....Seattle
 Sutherland, Ethel Emogene, Edu.....Lynden
 Sutherland, William J, LA.....Tacoma
 Suthorling, Anette, Sci.....Seattle
 Sutor, J Allen, LA.....Waterville
 Sutton, Elizabeth, LA.....Seattle
 Sutton, Margaret, LA.....Seattle
 Suzuki, Kee K, Engr.....Seattle
 Suzuki, Eituro, Bus.....Seattle
 Suzuki, Sakae, LA.....Seattle
 Swafford, Ruth C N, FA.....Seattle
 Swan, Clarice, FA.....Tacoma
 Swan, Helen, Jour.....Spokane
 Swan, John W, Bus.....Seattle
 Swan, Morris S, LA.....Vancouver
 Swanberg, Anita, Bus.....Seattle
 Swanson, Claude N, LA.....Everett
 Swanson, Clarence W, Bus.....Seattle
 Swanson, Helen M, Umat.....Roy, ND
 Swanson, Mabel Nmat.....Tacoma
 Swanson, Melvin T, Bus.....Tacoma
 Swanson, Myrtle, LA.....Troy, Mont
 Swanson, Ray, Bus.....Seattle
 Swanson, Walter V, Jr, Bus.....Seattle
 Swartz, Fanny W, LA.....Seattle
 Swartz, Joseph G, Jr, LA.....Seattle
 Swartz, Gilbert, Engr.....Seattle
 Sweet, Marie, LA.....Seattle
 Swenson, Carl Russell, Engr.....Seattle
 Swenson, Elaine, Grad.....Seattle
 Svensen, Harold A, For.....Seattle
 Swenson, Helen, LA.....Seattle
 Swenson, Vesta, LA.....Seattle
 Swezen, Vernita, FA.....Seattle
 Swift, E A, Jr, Law.....Seattle
 Swift, Mrs Helen C, Grad.....Seattle
 Swift, Elene Charlotte, FA.....Seattle
 Switzer, Alice J, LA.....Davenport
 Symons, Arthur, FA.....Shanghai, China

Toake, Yeteve E, LA.....Seattle
 Tackaberry, Madeleine Oldham, FA.....Seattle
 Tadlock, Ruth, LA.....Olympia
 Taft, Claire Esmond, LA.....Seattle
 Taft, Richard B, LA.....Seattle
 Taft, Thelma, LA.....Seattle
 Taft, Herbert F, Fish.....Seattle
 Taft, William Clayton, Engr.....Mullan, Ida
 Taggart, Geo M, Bus.....Seattle
 Takahashi, Y, LA.....Japan
 Takai, Shige, FA.....Vashon
 Takeuchi, Shonosuke, Bus.....Japan
 Talbott, Alex C, LA.....Seattle
 Talbott, Mary, LA.....Seattle
 Talbot, B Reeve, LA.....Seattle

Tanakar, Wm U, FA.....Seattle
 Tang, Sik Flu, Bus.....China
 Tanner, Margit A, LA.....Seattle
 Tanner, Jesse A, Grad.....Spokane
 Tao, C Y, LA.....China
 Tapert, Harold E G, Phar.....Seattle
 Tapping, Margaret E, LA.....Bellingham
 Tapscott, Clarence B, Law.....Seattle
 Tarbet, Roy, Engr.....Seattle
 Tarleton, Julia M, LA.....Portland, Or
 Tarr, Frank C, Bus.....Snoqualmie
 Tate, Arthur Marion, Engr.....Spokane
 Tate, W Paul, Bus.....Boise, Ida
 Tate, Walter G, Bus.....Sunnyside
 Tatsumi, Henry S, LA.....Seattle
 Taugner, Conrad, Sci.....Seattle
 Taylor, Arthur R, Phar.....Edmonds
 Taylor, Arthur S, Grad.....Seattle
 Taylor, Ben, Engr.....Seattle
 Taylor, Bertha Lois, LA.....Salem, Or
 Taylor, Betty, LA.....Seattle
 Taylor, Rev Chester Alban, LA.....Seattle
 Taylor, Don A, Bus.....Everett
 Taylor, Dorman D, Sci.....Seattle
 Taylor, Dean A, LA.....Sumner
 Taylor, Dinmore, Law.....Spokane
 Taylor, Elsie G, Libr.....Victoria, BC
 Taylor, Henry Joe, LA.....Seattle
 Taylor, John W, Engr.....Seattle
 Taylor, A Lucile, LA.....Seattle
 Taylor, Kathryn, LA.....Enumclaw
 Taylor, Kyle, FA.....Seattle
 Taylor, Marna Marie, LA.....Seattle
 Taylor, Robert K, Bus.....Seattle
 Taylor, Ward, Bus.....Bellingham
 Teegarden, Jeanette, Libr.....Long Bch, Cal
 Telen, Mary E, Umat.....Mc Vernon
 Telg, Ralph, Bus.....Seattle
 Temple, John H, LA.....Alpha
 Templeton, David D, BA.....Grt Falls, Mont
 Templeton, F E, Sci.....Seattle
 Tennant, Raymond E, Sci.....Snoqualmie Falls
 Terhune, Virgil W, LA.....Bryn Mawr
 Terry, Miriam, FA.....Seattle
 Tershin, John, Engr.....Seattle
 Terwilliger, Beulah, FA.....Seattle
 Terziet, Ottile, Grad.....Seattle
 Tesack, Kathryn, FA.....Seattle
 Tesreau, Elmer, LA.....Chehalis
 Tesreau, T Louis, Bus.....Chehalis
 Tessiman, Edna, Bus.....Seattle
 Test, Francesmae, FA.....Seattle
 Teubner, Florence M, LA.....Opportunity
 Thatcher, Evelyn, LA.....Portland, Ore
 Thatcher, Virginia, LA.....Portland, Or
 Thayer, J Durward, Fsh.....Seattle
 Thayer, Walter W, Bus.....Seattle
 Thiele, Margaret, Bus.....Seattle
 Thiry, Paul A, FA.....Seattle
 Thode, Helen, Sci.....Boise, Ida
 Thole, Marjorie F, LA.....Seattle
 Thomas, Bertram D, Sci.....Renton
 Thomas, Edward H, Engr.....Seattle
 Thomas, Ferne, LA.....Seattle
 Thomas, J Finley, Jr, LA.....Veradale
 Thomas, Frank E, Law.....Ellensburg
 Thomas, Grace, LA.....Seattle
 Thomas, Jack R, Bus.....Sumas
 Thomas, John, Engr.....Seattle
 Thoman, Margherite L, Bus.....Cle Elum
 Thomas, Dorothy E, FA.....Seattle
 Thomas, Marie L, LA.....Seattle
 Thomason, Sybill, LA.....Seattle
 Thome, Helen, LA.....Granger
 Thompson, Dorothy E, LA.....Aberdeen
 Thompson, Alfred, Law.....Raymond
 Thompson, Aurora, Sci.....Seattle
 Thompson, J Arthur, LA.....Tacoma
 Thompson, Benton, FA.....Bellingham
 Thompson, Browder J, Engr.....Seattle
 Thompson, Burson, Bus.....Seattle

Thompson, Charles, Bus.....	Seattle
Thompson, Earl G, Sci.....	Seattle
Thompson, Elmare A, LA.....	Seattle
Thompson, Ethel Marion, Edu.....	Everett
Thompson, Gladine, Bus.....	Pullman
Thompson, Glen W, Phar.....	Burnett
Thompson, Gordon W, Bus.....	Centralia
Thompson, Helen, Sci.....	Seattle
Thompson, Inna, LA.....	Seattle
Thompson, Katherine, Sci.....	Seattle
Thompson, Llewellyn E, LA.....	Seattle
Thompson, Margaret, LA.....	Seattle
Thompson, Marguerite E, Grad.....	Seattle
Thompson, Robert, Bus.....	Centralia
Thompson, Robert K, Bus.....	Seattle
Thompson, Roy E, Bus.....	Tacoma
Thompson, Seton H, Fsh.....	Seattle
Thomson, Stuart W, Sci.....	Seattle
Thomson, Wilbur B, Bus.....	Seattle
Thomsen, Clara M, LA.....	Seattle
Thomsen, Wm, LA.....	Sedro-Woolley
Thomson, Henry E, LA.....	Seattle
Thomson, Howard M, Engr.....	Seattle
Thomson, John P, For.....	Ellensburg
Thomson, Robert A, Grad.....	Renton
Thomson, Wm D, Engr.....	Seattle
Thomson, Vella E, Phar.....	Gold Bar
Thorn, Alfred, LA.....	Seattle
Thorne, Thelma M, Sci.....	Renton
Thornton, Maxine, LA.....	Seattle
Thorpe, Lloyd E, LA.....	Seattle
Thorstenson, Skuld, LA.....	Seattle
Thrallkill, Wm L, Engr.....	Seattle
Throssel, Wilbur I, LA.....	Yakima
Tiemeyer, William, Bus.....	Langley
Tien, Chung Chin, LA.....	China
Tiffany, Mrs Katherine, Grad.....	Seattle
Tilford, Vera, LA.....	Seattle
Thomifron, Boris P, Sci.....	Seattle
Tilly, J Norman, Sci.....	Everett
Timin, Theodore Harold, Engr.....	Seattle
Timmen, Cecil E, Engr.....	Siwax
Tippett, Wilma, FA.....	Seattle
Tipton, G A, Sci.....	Seattle
Tischenko, Anna, Lib.....	China
Tischenko, Tatiana, LA.....	Harbin, China
Titus, Irene B, LA.....	Seattle
Titus, Marion, Bus.....	Seattle
Titus, Phoebe B, Bus.....	Seattle
Tjosses, Vance S, LA.....	Montour, Ida
Tobey, Lono W, Phar.....	Elma
Todd, Florence R, Grad.....	Tacoma
Todd, Oswald V, Phar.....	Pt Allegany, Pa
Todd, Seldon, Engr.....	Seattle
Todhunter, Harold J, For.....	Port Gamble
Togo, Yone, Engr.....	Seattle
Tokarey, Nicholai, Engr.....	Seattle
Tolentino, Juan, LA.....	Philippines
Tolin, George W, Min.....	Seattle
Tolch, Kathleen, Sci.....	Bellingham
Tollefson, Thorwald, LA.....	Tacoma
Tomas, Clemente, Bus.....	Philippines
Tomlinson, Iris P, LA.....	Seattle
Toner, George M, Bus.....	Sunnyside
Too, C P, LA.....	Java
Toole, Margaret, Sci.....	Seattle
Toothaker, Lydia, Sci.....	Hover
Torblitt, Harry, Min.....	Longview
Torney, Jack, LA.....	Seattle
Torppa, Eric S, LA.....	Woodland
Torrence, Clarence E, LA.....	Marshalltown, Ia
Torry, Mary Elizabeth, LA.....	Everett
Tower, J Allen, LA.....	Seattle
Towie, Elizabeth C, Bus.....	Seattle
Townsend, Lucile, LA.....	Seattle
Townsend, Florence E, Edu.....	Olympia
Townsend, James R, Fsh.....	Victoria, Can
Townsend, Lorita, LA.....	Seattle
Townsend, Paul, LA.....	Seattle
Toyota, Norio, LA.....	Seattle
Tozier, Payson V, Engr.....	Seattle
Tracy, Jack, Bus.....	Seattle
Tracy, Jim, For.....	Seattle
Trapp, Lowell R, Engr.....	Orondo
Travis, Merle Ira, Sci.....	Wenatchee
Travis, Virginia, LA.....	Seattle
Treadwell, Mildred, FA.....	Seattle
Treffry, Ralph P, LA.....	Spokane
Treichel, Raymond A, Sci.....	Everett
Trelstad, Inez, Sci.....	Seattle
Trethewey, Aauren, Bus.....	Seattle
Trethewey, Matilda G, Bus.....	Seattle
Thezise, Gordon T, Bus.....	Carnation
Treize, Norman, LA.....	Carnation
Trick, Berton G, Bus.....	Seattle
Trick, Doris V, FA.....	Seattle
Trice, Richard H, FA.....	Seattle
Trimble, Augusta W, LA.....	Seattle
Trimble, Webb W, LA.....	Seattle
Troeh, Sylvia, FA.....	Vancouver
Tropper, Lois Grace, LA.....	Seattle
Troitzny, Semen, Engr.....	Seattle
Trow, Florence, Bus.....	Seattle
Troxell, Beryl, Sci.....	Bellingham
Tripp, Kenneth B, For.....	Seattle
Trowbridge, Kennard S, For.....	Augusta, Ga
Troy, Thomas B, LA.....	Have, Mont
Troy, Smith, LA.....	Olympia
Truckey, Alice M, LA.....	Seattle
Truesdell, James, Sci.....	Yakima
Truesdall, Roger W, Grad.....	Seattle
Trullinger, Elizabeth, Sci.....	Seattle
Trumbull, Barbara, LA.....	Seattle
Trumbull, John F, Law.....	Port Angeles
Truscott, Lois C, LA.....	Seattle
Tsang, Yale Y, Grad.....	China
Tsao, S C, LA.....	China
Tsuji, Utauro, Bus.....	China
Tuck, Lamolue U, Sci.....	Kent
Tucker, Roy F, Bus.....	Seattle
Tucker, Marvin, Bus.....	Seattle
Tucker, W S, Law.....	Seattle
Tulloch, Louise, FA.....	Friday Harbor
Tallus, Lewis S, LA.....	Tacoma
Tunstad, Leonard P, Bus.....	Seattle
Tunesh, Nellie, LA.....	Seattle
Turnaciff, Lucille, Grad.....	Seattle
Turnley, Elva B, FA.....	Toppenish
Turnaciff, Dudley, Fsh.....	Seattle
Turnaciff, Lloyd, Fsh.....	Seattle
Turnblad, Harold, Grad.....	Seattle
Turnbull, Evangeline B, Lib.....	Vancouver, BC
Turner, Alice G, LA.....	Seattle
Turner, Charles P, For.....	Everett
Turner, Charlotte, FA.....	Seattle
Turner, Clara May, Sci.....	Seattle
Turner, Mrs Elsie S, LA.....	Seattle
Turner, J Clark, LA.....	Seattle
Turner, Cora Lee, Sci.....	Everett
Turner, Edwin T, FA.....	Seattle
Turner, Elizabeth, LA.....	Seattle
Turner, Jane, Bus.....	East Sound
Turner, John, Bus.....	Seattle
Turner, Naomi, Sci.....	Centralia
Tuttle, Aileen H, Sci.....	Seattle
Tuttle, Valgene, LA.....	Aberdeen
Tvete, Norman, Bus.....	Seattle
Twelves, Chas M, Jr, Engr.....	Everett
Tyler, Wilson, LA.....	Olympia
Ude, William Wilkison, LA.....	Spokane
Uhlch, Amos Robert, Bus.....	Index
Uhlmann, William Paul, Law.....	Centralia
Ulbrickson, Alvin, Bus.....	Seattle
Ulvstad, Solveig, LA.....	Seattle
Ulsaker, Ida M, LA.....	Kindred, ND
Ulah, Helen, FA.....	Seattle
Ulah, Harry E, LA.....	Seattle
Ulsky, Joseph Lawrence, LA.....	Seattle
Ulvstad, Lars Andrew, Bus.....	Seattle
Unger, Vivian B, Engr.....	Bellingham

Unruh, Muriel, FA.....White Salmon
 Upham, Florence, Sci.....Yakima
 Upton, Rolf W, LA.....Seattle
 Ura, Jutaro, LA.....Japan
 Urakawa, Yoshio, LA.....Seattle
 Urbanek, Eugene R, Engr.....Seattle
 Ure, L N, Bus.....Seattle
 U'Renn, Dorothy, LA.....Seattle
 Ureta, Sotero G, Engr.....Philippines
 Urfer, Cecil P, Phar.....Lynden
 Urness, E Vance, Bus.....Seattle
 Ushakoff, Denetry D, Bus.....Seattle
 Usher, Albert, LA.....Great Falls, Mont
 Usher, Harlan K, Sci.....Wenatchee
 Urquhart, Irene, LA.....Seattle

Vaa, Lawrence, Engr.....Poulsbo
 Vall, Agnes Baher, FA.....Seattle
 Valdez, Maria, LA.....Philippines
 Valentine, B Gordon, Bus.....Roulette, Pa
 Valentine, Lella, Sci.....Seattle
 Van, Eric Preston, Bus.....Seattle
 Van Arsdale, Louis C, Engr.....Tacoma
 Van Antevy, Maurice, LA.....Seattle
 Vanderkleed, Edwin Emerson, Engr.....Seattle
 Vanderlas, Harold Ross, Sci.....Seattle
 Vandercrook, Esther, LA.....Longview
 Van der Werker, Edith, Sci.....Everett
 Van Diest, Elmy Alben, LA.....Yakima
 Van Dyke, Phyllis G, FA.....Seattle
 Van Gordav, L S, Sci.....Seattle
 Vann, Harold K, Grad.....Seattle
 Van Horn, Margaret, LA.....Tacoma
 Van Houben, Lois, Edu.....Seattle
 Van Lilborg, Elizabeth, Sci.....Seattle
 Van Patten, Frank, Bus.....Spokane
 Van Ostrau, Mary Jo, LA.....Seattle
 Van Patten, Theron, Engr.....Seattle
 Van Stralen, Francis J, Bus.....Manette
 Van Tilborg, L D, Sci.....Seattle
 Van Tilborg, Mary, LA.....Seattle
 Van Woert, Ross, LA.....Puyallup
 Van Zante, Jean, LA.....Portland, Or
 Vassar, Arthur J, Bus.....Seattle
 Vaughan, Frances C, FA.....Bellingham
 Veitch, A E, Grad.....Seattle
 Velasco, Victoria A, LA.....Philippines
 Vellkanje, Stanley P, LA.....Yakima
 Vera Cruz, Marcos, Sci.....Philippines
 Verceles, Antonio N, LA.....Philippines
 Verhamme, Evelyn, LA.....Seattle
 Verhulst, Herbert J, Phar.....Seattle
 Vernon, W Horace Jr, Bus.....Seattle
 Vesofa, Arnie R, LA.....Douglas, Alaska
 Victoriano, Procopio, Engr.....Philippines
 Victory, Randall, Bus.....Spokane
 Vichman, Grace, Bus.....Seattle
 Vik, Britanus K, Engr.....Westport, Ore
 Villisvik, John, FA.....Tacoma
 Viloudaki, Raymond G, Bus.....Seattle
 Villegas, Luelo, Engr.....Philippines
 Viuing, Maurice N, Bus.....Seattle
 Vincent, Russell, Engr.....Seattle
 Vulson, Carol J, Jour.....Tacoma
 Visser, William R, Engr.....Seattle
 Vistrand, Paul, Sci.....Seattle
 Vlasoff, Paul I, Engr.....Russia
 Voerge, J E, Sci.....Seattle
 Vogler, Sybil, LA.....Seattle
 Volger, Mrs Esther W, Grad.....Seattle
 Vogt, Elizabeth M, LA.....Spokane
 Voigt, Henry F, Jr, FA.....Chatia, Tenn
 Von Kleist, Paul, For.....Seattle
 Von Phul, Emilie Josephine, FA.....Seattle
 Von Phul, Mary Elingo, LA.....Seattle
 Votans, Staser, LA.....Ritzville
 Voorhees, Frank, Engr.....Seattle

Waddell, Margaret, LA.....Colville
 Waechter, Florence, LA.....Seattle

Waggener, Harold, LA.....Seattle
 Wagner, Joe C, LA.....South Bend
 Wagner, Robert H, Engr.....Seattle
 Wagner, William, Bus.....Seattle
 Wahl, Lenora M, LA.....Seattle
 Wahl, Sydney Edward, Phar.....Everett
 Wahlstrom, Phil E, Bus.....Seattle
 Walles, Ronald David, Engr.....Eaton, Colo
 Wait, Thelma, LA.....Seattle
 Wakeman, Willard, LA.....Seattle
 Walberg, Hjalmar O, Engr.....Sedro-Woolley
 Walby, Eugene V, Bus.....Seattle
 Walck, Ida Rozelee, LA.....Tacoma
 Waldorf, Lansing, Engr.....Dillon, Mont
 Waldron, Frank X Jr, LA.....Seattle
 Walen, Graydon, Sci.....Silvana
 Wales, Fern Katherine, Bus.....Seattle
 Wales, Helen, LA.....Seattle
 Walker, Alfred F, Bus.....Spokane
 Walker, Cedric William, For.....Victoria, BC
 Walker, David J, Sci.....Seattle
 Walker, E Bruce, LA.....Seattle
 Walker, Edward S, Bus.....Tacoma
 Walker, Frederick, LA.....Seattle
 Walker, Gertrude Iris, Sci.....Aberdeen
 Walker, Harold James, Engr.....Seattle
 Walker, Horace E, Edu.....Tacoma
 Walker, Margery, LA.....Shelton
 Walker, Milton E, LA.....Veradale
 Walker, Norman Eugene, LA.....Seattle
 Walker, Omar A, Bus.....Spokane
 Walker, Orin, LA.....Seattle
 Walker, Phyllis, LA.....Seattle
 Walker, Richard D, Engr.....Anaconda, Mont
 Walker, Ward J, Bus.....Selah
 Walker, William B, Law.....Aberdeen, Miss
 Wall, Harold, Sci.....Spokane
 Wall, Ida Fletcher, LA.....St Augusta, Ga
 Wall, Kathlene Darden, LA.....Seattle
 Wallace, James W Jr, Engr.....Mt Vernon
 Wallace, Jean Margaret, Sci.....Seattle
 Wallace, Helen C, LA.....Seattle
 Wallace, John Homer, Sci.....Seattle
 Wallace, William A, Engr.....Seattle
 Wallace, John D, LA.....Los Angeles, Cal
 Wallace, Margaret, LA.....Kelso
 Wallace, William D, Bus.....Tacoma
 Waller, Lilian B, LA.....Seattle
 Waller, Ruth, LA.....Seattle
 Wallingford, Dan, Bus.....Seattle
 Walltner, Ivan B, Min.....Port Angeles
 Walmsley, Harry, Engr.....Puyallup
 Walsh, Alice B, Edu.....Beukelman, Neb
 Walsh, Ellen L, Lib.....Everett
 Walsh, Frank K, Jr, Bus.....Hoquiam
 Walsh, Inez J, Sci.....Spokane
 Walsh, Thomas J, Bus.....Seattle
 Walsh, U Mildred, LA.....Los Angeles, Calif
 Walter, Ralph, Engr.....Seattle
 Walters, Chalmers, Law.....Everett
 Walters, Helen, LA.....Seattle
 Walthew, John L, Law.....Seattle
 Walton, Adele C, LA.....Seattle
 Walton, Florence, FA.....Everett
 Walton, L W, For.....Everett
 Walton, Peter T, For.....Everett
 Waltz, Harold D, Sci.....Seattle
 Waltz, Margaret E, FA.....Seattle
 Wang, Teh En, Grad.....China
 Wau, Chung, Ching, LA.....China
 Waus, Alice, Phar.....Seattle
 Waples, Horace M, Engr.....Downers Gve, Ill
 Ward, Alma M, Grad.....Seattle
 Ward, Donna Gertrude, FA.....Seattle
 Ward, Elizabeth, Bus.....Cashmere
 Ward, Henry B, LA.....Seattle
 Ward, Hullard L, Sci.....Hoquiam
 Ward, James Rossow, Bus.....Seattle
 Ward, Marguerite, LA.....Seattle
 Ward, May Dunn, Grad.....Seattle
 Ward, W B, Sci.....Seattle

Ward, Wm W, LA.....	Henford, Texas	Wentworth, Margaret, LA.....	Seattle
Warde, Lawrence A, Engr.....	Seattle	Wentworth, Rosamond, LA.....	Seattle
Wardall, Cedric M, Bus.....	Seattle	Wernett, Myrtle W, FA.....	Pasco
Ware, A Elra, LA.....	Seattle	Werttemberger, Richard E, Phar.....	Ritzville
Ware, Jeannette H, LA.....	Seattle	Wernham, J W K, Grad.....	Madras, India
Warner, Alice A, Bus.....	Seattle	Wesley, Ray O, Engr.....	Seattle
Warner, Grace, LA.....	Seattle	West, John T, Bus.....	Leavenworth
Warner, Kenneth O, LA.....	Tacoma	West, Lucile, Sci.....	Seattle
Warner, Mary, Sci.....	Portland, Ore	Westoll, Albert J, Edu.....	Randle
Warner, Wilma, Sci.....	Medical Lake	Weather, Alfred J, Law.....	Seattle
Warnick, Jack, Bus.....	Tacoma	Westberg, Frederick, LA.....	Seattle
Warrick, James J, FA.....	Los Angeles, Cal	Westby, George N, Engr.....	La Grande
Warren, C Clair, Bus.....	Wenatchee	Wester, Virginia, LA.....	Seattle
Warreu, George F, LA.....	Seattle	Westerfelt, Howard W, LA.....	Seattle
Warren, Wm Grant, LA.....	Davenport	Westgarth, T C, LA.....	Seattle
Wartes, Lloyd L, FA.....	Seattle	Westgard, Edgar Blake, Engr.....	Everett
Wascher, Frank, Engr.....	Seattle	Westin, Theodore, Bus.....	Arlington
Wascher, Spriggs, For.....	Seattle	Westland, Jack, Law.....	Everett
Washington, Lillian M, FA.....	Seattle	Westmore, Hal G, LA.....	Spokane
Waskey, Robert R, Sci.....	Seattle	Weston, Marguerite, FA.....	Seattle
Watanabe, J Wallace, Sci.....	Seattle	Westrom, Fred N, Bus.....	Everett
Waters, Aaron, Sci.....	Seattle	Wetherell, Ernest, LA.....	Seattle
Waters, Ellen, Sci.....	Seattle	Wetherell, Russell, LA.....	Seattle
Watkins, Clayton K, Bus.....	Seattle	Weyer, Margaret M, LA.....	Tacoma
Watson, Chas H, Grad.....	Seattle	Weymouth, Allen A, Sci.....	Seattle
Watkins, Dorothy, FA.....	Seattle	Whalley, Theodosia M, LA.....	Pateros
Watkins, Francys, LA.....	Seattle	Whalley, Isabel, LA.....	Seattle
Watkins, Mary Elizabeth, LA.....	Hoguliam	Wharton, John H, LA.....	Seattle
Watson, Evelyn, LA.....	Seattle	Wheat, Elizabeth, LA.....	Seattle
Watsau, Gretchen, LA.....	Harper	Wheatman, Marion, LA.....	Seattle
Watson, Leila, LA.....	Seattle	Wheaton, F Edgar, Sci.....	Bellingham
Watson, Lois, LA.....	Harper	Wheaton, Harry J, Bus.....	Seattle
Watson, Richard B, LA.....	Tacoma	Wheeler, Beaulah O, Bus.....	Seattle
Watt, Phoebe, LA.....	Seattle	Wheeler, C T, Bus.....	Seattle
Watt, Vernon S, Engr.....	Seattle	Wheeler, R A, Min.....	Seattle
Watts, Isabel, LA.....	Seattle	Wheeler, Robert F, LA.....	Montesano
Waugh, Robert, Bus.....	Seattle	Wheelhaw, Harriot, LA.....	Everett
Wayland, C Vanell, FA.....	Tacoma	Whelan, Elizabeth M, Sci.....	Seattle
Wayland, Elizabeth, FA.....	Seattle	Whelan, Mary, Sci.....	Seattle
Weatherford, Marybelle, FA.....	Dayton	Whitcomb, Catherine, LA.....	Bellingham
Weaver, Donald K, LA.....	Seattle	Whitcomb, Alice E, Grad.....	Seattle
Weaver, Elsie, Sci.....	Sumner	Whitcomb, Rollo R, LA.....	Bellingham
Weaver, W H, Sci.....	Seattle	White, Albert, LA.....	Seattle
Webb, Norman Russell, FA.....	Seattle	White, Chester Winstan, FA.....	Seattle
Webb, Pearl N, LA.....	Wenatchee	White, Dorothy E, LA.....	Monroe
Webber, Albert H, Engr.....	Seattle	White, Dorothy R, LA.....	Redmond
Weber, Eugene C, Bus.....	Odessa	White, Elizabeth, Sci.....	San Francisco, Cal
Weber, Mrs Clara M, FA.....	Seattle	White, Fred M, Bus.....	Everett
Weber, George, Bus.....	Seattle	White, Helen K, LA.....	Seattle
Weber, Theodore, LA.....	Butte, Mont	White, Jesse James, Edu.....	Seattle
Webster, Dorothy Ann, LA.....	Port Angeles	White, Jessie Morrison, LA.....	Seattle
Weedin, Charles J, Bus.....	Seattle	White, Keith, Bus.....	Washougal
Weeding, Ruth Harriett, Lib.....	Seattle	White, Lorna, FA.....	Seattle
Weible, George W, FA.....	Walla Walla	White, Mrs Lyda, Grad.....	Seattle
Weide, Barbara Florence, Sci.....	Centralia	White, Mabel, LA.....	Seattle
Well, Charles F, Engr.....	Seattle	White, Marion Whiting, Grad.....	Spokane
Weingartner, Richard A, Bus.....	Seattle	White, Myrtes, LA.....	Sedro-Woolley
Weinstein, Nat, Sci.....	Seattle	White, R S, Bus.....	Seattle
Weinstein, Sydney, Sci.....	Seattle	White, Ronald C, Bus.....	Lewiston, Idaho
Weir, Hugh, LA.....	Centralia	White, Rosalind, LA.....	Seattle
Weir, Mary, LA.....	Tacoma	White, Wallace W, Engr.....	Seattle
Weir, Richard, Grad.....	Tacoma	Whitelaw, John, Sci.....	Seattle
Welser, John H, LA.....	Bellingham	Whiteleather, Hazel, LA.....	Columbia City, Ind
Weisbrod, Al L, For.....	Seattle	Whitfield, Ethel M, Sci.....	Burton
Weiss, H Carl, Bus.....	Seattle	Whitfield, Isabelle B, LA.....	Renton
Welborn, Elizabeth, LA.....	Seattle	Whiting, Grace, LA.....	Seattle
Welch, C Douglass, LA.....	Tacoma	Whitmore, Maude, Sci.....	Buckley
Wellkanor, Alexander G, Engr.....	Russia	Whitmore, Pearl, Sci.....	Tacoma
Weller, L, Phar.....	Seattle	Whitner, Chester, LA.....	Seattle
Wellington, Gordon K, Bus.....	Seattle	Whitney, Willard M, LA.....	Aberdeen
Wellman, Frank A, Grad.....	Enid, Okla	Whittlesey, Welsh C, Engr.....	Seattle
Wellman, Victor E, Grad.....	Enid, Okla	Whitford, Richard W, Grad.....	Kirkland
Wells, A L, LA.....	Seattle	Whitlock, Victor J, Bus.....	St Paul, Minn
Wells, George, LA.....	Camas	Widell, Hilda L, LA.....	Centralia
Wells, Gordon D, Engr.....	Spokane	Widmann, Nulsen T, Engr.....	Seattle
Wells, James, Bus.....	Okanogan	Wicklund, Elsie, FA.....	Seattle
Wells, John W, LA.....	Portland, Ore	Wicker, Jessale, LA.....	Sedro-Woolley
Wells, Wayne W, Grad.....	Seattle	Wiegel, Dorothea, Bus.....	Tacoma
Wellkanov, Antonina, LA.....	Seattle	Wiegel, Margaret, LA.....	Wenatchee
Weisb, Marcelline C, Sci.....	Du Pont	Wiensand, Fred B, Fsh.....	Seattle
Wen, Chung Sing, LA.....	China	Wienlr, Betty, LA.....	Seattle

Wight, Douglas Thomas, LA.....	Sylvan
Wigmore, Frona E, LA.....	Seattle
Wike, Dorothy E, FA.....	Seattle
Wilcox, Ada May, Grad.....	Kimball, Neb
Wilde, Drummond F, Law.....	Seattle
Wilde, Frank B, Bus.....	Seattle
Wilder, Norman, Bus.....	Chimocum
Wildhagen, Emily, Edu.....	San Jose, Calif
Wiley, Alice M, LA.....	Seattle
Wiley, Frances E, Sci.....	Seattle
Wilfong, Paul, Engr.....	Issaquah
Wilhelm, Ralph A, Bus.....	Seattle
Wilkie, Ethel Lola, Sci.....	Seattle
Wilkie, La Velle, LA.....	Seattle
Wilkinson, Roy, Engr.....	Bellingham
Willett, Madeline, LA.....	Atascadero, Calif
Williams, Agnes C, Sci.....	Puyallup
Williams, Audrey Laney, LA.....	Lamona
Williams, Barbara, FA.....	Yakima
Williams, Berwyn R, Bus.....	Chinook
Williams, Blanche H, LA.....	Seattle
Williams, Catherine, LA.....	Tyler
Williams, Charles, Bus.....	Burton
Williams, De Witt, LA.....	Bellingham
Williams, Eleanor G, LA.....	Yakima
Williams, W Gayle, Bus.....	Seattle
Williams, Gerald, LA.....	Seattle
Williams, Harold, LA.....	Seattle
Williams, Hazel Rutledge, LA.....	Power, Mont
Williams, Helen G, LA.....	The Dalles, Ore
Williams, Hugh Paul, Engr.....	Seattle
Williams, Jessie A, LA.....	Kallispell, Mont
Williams, Kenneth T, Sci.....	Seattle
Williams, Melvin, Engr.....	Seattle
Williams, Pauline, LA.....	Forest City, Mo
Williams, Randall S Jr, LA.....	Tacoma
Williams, Ray, Engr.....	Seattle
Williams, Forrest, Bus.....	Seattle
Williams, Ruth Helen, LA.....	Seattle
Williamson, Don B, Engr.....	Wilkinsburg, Pa
Williamson, Ralph K, LA.....	Seattle
Williamson, Robt L, LA.....	Seattle
Willgar, F Mertie, Sci.....	Puyallup
Willard, Alleen, LA.....	Ventura, Cal
Willix, W Douglas, LA.....	Seattle
Willis, Robert J, LA.....	Goldendale
Willman, Richard C, Engr.....	Seattle
Willoughby, Dorothy Isabelle, LA.....	Grandview
Willson, Edward A, Engr.....	Everett
Wilnot, Janice S, FA.....	Seattle
Wilson, Abe Y, Bus.....	Everett
Wilson, Boland, LA.....	Seattle
Wilson, Caroline, Sci.....	San Jose, Calif
Wilson, Clotilde, LA.....	Seattle
Wilson, Earl R, LA.....	Burlington
Wilson, Evelyn M, FA.....	Hoquiam
Wilson, Francis B, LA.....	Seattle
Wilson, Gale E, Sci.....	Ridgefield
Wilson, George S, Bus.....	Everett
Wilson, Henry L, Bus.....	Camas
Wilson, Helen, FA.....	Seattle
Wilson, Leslie Edwin, Min.....	Palo Alto, Calif
Wilson, Lester A, LA.....	Tekoa
Wilson, Mary H, LA.....	Seattle
Wilson, Mary King, LA.....	Seattle
Wilson, Myrtle M, Bus.....	Seattle
Wilson, Olene, LA.....	Blackfoot, Ida
Wilson, Thelma L, LA.....	Hoquiam
Wilson, Wendell, LA.....	Yakima
Wilson, William, Grad.....	Sand Coulee, Mont
Willy, Dorothy, FA.....	Seattle
Wimberly, Wm L, Sci.....	Toppenish
Wimmer, Lyle G, Engr.....	Spokane
Winans, Dorothy Mae, FA.....	Seattle
Winbeck, Allen, Sci.....	North Cove
Winegar, Ruth B, Sci.....	Seattle
Winegar, R M, LA.....	Seattle
Winfree, Theodora, LA.....	Spokane
Wing, J Clark, Fsh.....	Seattle
Wing, Frederick N, Bus.....	Seattle
Wing, Ivan W, LA.....	Seattle
Wing, Willis R, LA.....	Seattle
Wingate, Mildred, FA.....	Portland
Winklesky, Lyle F, LA.....	Lowell
Winklecki, Bernhard, Engr.....	Raymond
Winkpleck, Everett, Phar.....	Tacoma
Winn, Herb, LA.....	Seattle
Winograd, Simon, LA.....	Seattle
Winslow, Camilla B, Edu.....	Bothell
Winston, Carey, Bus.....	Seattle
Winston, P H, LA.....	Seattle
Winter, Elizabeth Greene, LA.....	Seattle
Winther, Arvid, Sci.....	Seattle
Winther, Oadvar, LA.....	Billings, Mont
Wirth, Henry E, Sci.....	Bellingham
Wisner, Frances Lee, FA.....	Grandview
Wisner, Harold J, Bus.....	Willsbaw, Ore
Wiseman, Orville R, Jour.....	Seattle
Wiseman, Lillian W, Edu.....	Seattle
Witcomb, Douglas A, Bus.....	Seattle
Withou, Ray, Bus.....	Seattle
Wittenberg, Florence, LA.....	Tacoma
Witherby, Lester, Fsh.....	Seattle
Wohnacher, Wm E, FA.....	Tacoma
Wolf, Virgil, Bus.....	Chillcothe, Mo
Wolfe, Harry K, FA.....	Seattle
Wolfe, Katharine Alice, Grad.....	Seattle
Wolfe, Norman E, Engr.....	Monroe
Wolfe, Dael L, Sci.....	Bremerton
Wolft, Hal B, LA.....	Seattle
Wolgemuth, J Phillip, LA.....	Seattle
Wolleson, Fred, Fsh.....	Olympia
Wolner, Clarence J, Bus.....	Tacoma
Wolthausen, Ray, Sci.....	Buono
Wolz, Elsie A, LA.....	Seattle
Wong, Chaak Yinsg, Engr.....	Canton, China
Wong, James M, Bus.....	Sacramento, Calif
Wong, Laura, LA.....	Seattle
Wong, Shing Yipe, Bus.....	Seattle
Wong, Violet, Phar.....	Vancouver, BC
Wong, Wah Chin, LA.....	Hong Kong, China
Woo, Henry H, Bus.....	Seattle
Wood, Merua E, Sci.....	Shelton
Wood, R E, Bus.....	Seattle
Wood, Hazel F, Edu.....	Seattle
Wood, Virginia, FA.....	Seattle
Wood, William D, Bus.....	Vancouver, BC
Woodall, Clarice L, LA.....	Shelton
Woodall, Otis, Grad.....	Seattle
Woodard, H C, Bus.....	Sandpoint, Ida
Woodbury, Lydia A, Edu.....	Prosser, Neb
Woodbridge, Mary C, LA.....	Seattle
Wooden, Retta, FA.....	Kent
Woodin, Deldama, Sci.....	Seattle
Woodmansee, Jack, FA.....	Mesa, Idaho
Woodrow, Leon, Edu.....	Spokane
Woods, Forrest M, Sci.....	Spokane
Woods, Jean T, Sci.....	Carmel, Cal
Woodside, James H, Bus.....	Seattle
Woodevard, Carrie Draper, LA.....	Seattle
Woodworth, Adelaide, LA.....	Spokane
Woodworth, Alice Anne, LA.....	Concrete
Woodworth, George S, Sci.....	Seattle
Woodworth, John W, For.....	Everett
Woody, Harriet M, LA.....	Okanogan
Woolfolk, Julia M, LA.....	Roundup, Mont
Woolpert, Dorothea D, Sci.....	Hood River, Ore
Woolston, Katharine, Grad.....	Seattle
Worlow, H Lee, Bus.....	Lynden
Woron, Ben, Phar.....	Seattle
Wortham, Bob, LA.....	Seattle
Worthington, John C, Engr.....	Imleene
Wren, Harper C, LA.....	Seattle
Wriggle, E F, LA.....	Farmington
Wright, Ansel J, Bus.....	Snoqualmie Falls
Wright, Calvert C, Engr.....	Seattle
Wright, Don, Bus.....	Anacortes
Wright, Doris Louise, FA.....	Yakima
Wright, Elizabeth C, LA.....	Seattle
Wright, Edward K, LA.....	Seattle
Wright, Jack A, LA.....	La Touche, Alaska
Wright, Jessie, Unmat.....	Outlook

Wright, Lorine, Sci.....Seattle
 Wright, Miriam, LA.....Tacoma
 Wright, Ralph G, Edu.....Seattle
 Wright, Stanley J, Engr.....Seattle
 Wright, Vivian, LA.....Seattle
 Wright, William, FA.....Seattle
 Wright, Quintin B, LA.....Seattle
 Wu, Andrew Y, Bus.....Hongkong, China
 Wu, Chow Shing, LA.....China
 Wu, Hsi Yum, LA.....Hormosa
 Wunderlich, Alvina J, LA..St. Maries, Ohio
 Wurdeman, Walter C, FA.....Bremerton
 Wuthenow, Arthur Jr, Bus.....Seattle
 Wyckoff, Walter L, Bus.....Seattle
 Wyde, Edmund, Sci.....Seattle
 Wynn, George E, Bus.....El Paso, Tex
 Wynyard, John L, LA.....Granger
 Wynstra, Wieber, Edu.....Cheney
 Wynn, Walter, Bus.....Chehalis

Yabroff, Elias, Engr.....China
 Yamada, Kunitaro, Sci.....Japan
 Yang, Ching-Chang, Engr.....China
 Yates, Beatrice, LA.....Seattle
 Ybojos, Marcelino V, Bus.....Philippines
 Yeager, Frances Olive, LA..Los Angeles, Cal
 Yeargan, Roy T, Bus.....Seattle
 Yeomans, Mary Charlotte, LA.....Boise, Ida
 Ygay, Melquiades Moreno, Bus...Aberdeen
 Ylitalo, Impi A, Sci.....Tieton
 York, Anne M, LA.....Tacoma
 York, Arthur F, Law.....Tacoma
 York, Harold, Phar.....Arlington
 York, Harold H, Phar.....Arlington
 York, Lynne V, For.....Seattle
 Yoragi, S, Grad.....Japan
 Yoshimura, H, Engr.....Seattle
 Yoshloka, Hideo, Engr.....Seattle
 Yoshloka, Jesse, Sci.....China
 Yoshloka, Fusako, Bus.....Seattle
 Youatt, Gerald, Bus.....Seattle

Youell, John, LA.....Seattle
 Youlden, Edward, Bus.....Butte, Mont
 Youlden, Edward, Bus.....Butte, Mont
 Youlden, Martha, LA.....Spokane
 Youmans, Grace A, LA.....Seattle
 Young, Albert S, Fish.....Seattle
 Young, Alex, Grad.....Cawker City
 Young, Betty, Sci.....Seattle
 Young, Catherine, LA.....Caldwell, Ida
 Young, Dorothy June, FA.....Seattle
 Young, G W, LA.....Honolulu
 Young, Ervin J, LA.....Seattle
 Young, Frances A, Sci.....Seattle
 Young, John, Engr.....Seattle
 Young, Lols, Sci.....Seattle
 Young, Ruth, LA.....Seattle
 Young, Wayne L, Bus.....Spokane
 Young, William H, FA.....Yakima
 Ytterdal, Harald, LA.....Seattle
 Yuni, William, Bus.....Hoquiam

Zamora, Lorenzo L, Law.....Seattle
 Zamuco, Gregorio, For.....Philippines
 Zane, Sim L, Bus.....Seattle
 Zanievitz, Rudolf E, Sci.....Seattle
 Zeeb, Kathryn A, Sci.....Seattle
 Zeller, Honora, LA.....Seattle
 Zener, Galen O, Bus.....White Salmon
 Ziebarth, Emmett A, Bus.....Seattle
 Zilliox, George, Engr.....Enumclaw
 Zindorf, Geraldine, LA.....Seattle
 Zillman, Lawrence J, LA.....Tacoma
 Zimmerman, Frances, LA.....Seattle
 Zimmerman, Philo R, Bus.....Seattle
 Zintheo, Irma, Sci.....Seattle
 Zioncheck, M A, LA.....Seattle
 Zobrist, Ralph C, FA.....Acme
 Zorick, Anthony L, Bus...Ketchikan, Alas
 Zug, Frances Ann, LA.....Seattle
 Zumwalt, H O, Grad.....Yakima
 Zurbrick, John W, Bus.....Seattle

SUMMER QUARTER STUDENTS—1925

Abbott, Evelyn W, Educ.....Carnation
 Abbott, Newton C, Grad.....Carnation
 Abell, Charles H, Grad.....Seattle
 Adair, Kate Kyle, Unmat.....Hoquiam
 Adair, Prudence, LA.....Seattle
 Adams, S Catherine, FA.....Arlington
 Adams, Edward Everett, LA.....Spokane
 Adams, Frances Aletha, Educ..Bozeman, Mt
 Adams, John Russell, Bus.....Seattle
 Adams, Ruth Marjorie, LA.....Cheney
 Adamson, Mrs. Anna A, Educ..Powell, Wyo
 Adamson, Merritt C, Grad.....Redmond
 Ademino, John, Bus.....Cle Elum
 Adrance, George N, Grad.....Napa, Cal
 Agbayani, Pedro B, LA.....Philippines
 Ahlberg, Vyolet, FA.....Tacoma
 Ahrens, Erich, Grad.....Tacoma
 Aid, Mary L, Unmat.....Council Bluffs, Ia
 Akin, Margaret Agnes, Grad.....Seattle
 Albers, Alvina M Grad...Northfield, Minn
 Albertson, Lois, FA.....Seattle
 Albin, Vera G, LA.....Portland, Ore
 Aldrich, Berta H, LA.....Everett
 Aldrich, Ione U, LA.....Everett
 Aldridge, R Edwin, Bus.....Seattle
 Alexander, Frank E, Educ.....Lynden
 Alinder, Clara, Educ.....Seattle
 Allan, Helen Quinton, Grad.....Seattle
 Allen, Anna Florence, LA.....Seattle
 Allen, Mabel Derry, Grad..Vancouver, BC
 Allen, Rhoda Margaret, Sci.....Seattle
 Allen, Zella E, Unmat.....Seattle
 Alward, Bert Eaton, Unmat.....Seattle
 Alward, Charlotte Steelman, Grad..Seattle
 Alway, Harry G, Grad.....Walla Walla
 Ambrose, Juanita, Educ.....Seattle
 Ambrose, Julia Catherine, Unmat..Seattle
 Ames, Willis, LA.....Seattle
 Anderson, Ada Charlotte, Grad.....Seattle
 Anderson, Agnes Ruth, Educ.....Seattle
 Anderson, Beatrice Lee, LA.....Seattle
 Anderson, Carolyn, Sci.....Deadwood, SD
 Anderson, Dorothy Isabell, Sci.....Seattle
 Anderson, Edward J, Bus.....Seattle
 Anderson, Elizabeth J, Grad.....Tacoma
 Anderson, Evelyn M, Grad.....Seattle
 Anderson, Georgia, LA.....Seattle
 Anderson, Mrs Hallie B, LA.....Waterville
 Anderson, Helen G, LA.....Seattle
 Anderson, Mrs Lou E, Grad.....Seattle
 Anderson, Ragna A, Educ.....Creston
 Anderson, Ruth L, Sci.....Sacramento, Cal
 Anderson, Margrit L, FA.....Port Angeles
 Andrew, Winona F, Unmat.....Denver, Colo
 Andrews, Elizabeth M, Grad.....Echo, Ore
 Andrews, Harriett, Sci.....Seattle
 Andrews, Dora B, Educ.....Seattle
 Ankele, Felice C, Educ.....Seattle
 Aral, Clarence T, Grad.....Seattle
 Arant, Bernadine R, Educ.....Seattle
 Arend, Harry O, Law.....Spokane
 Argall, Margaret, Grad.....Spokane
 Arges, Julia E, Educ.....Rialto, Cal
 Arias, Andres Jr, LA.....Philippines
 Arlander, Ruth, Grad.....Seattle
 Armistage, Richard B, LA.....Yakima
 Armstrong, Hubert E, LA.....Newberg, Ore
 Armstrong, Teresa M, LA..St Charles, Mich
 Armstrong, Wm Lester, Bus...Havre, Mont
 Arnold, Everett O, Grad.....Attalia
 Arnold, John Albert, LA.....Tacoma
 Arnold, George Philbrook, Engr.....Seattle
 Ashley, Lucy, FA.....Sandpoint, Ida
 Ashley, Paul P, Law.....Seattle
 Ashton, Philip F, Sci.....Sunnyside
 Aske, Agnes C, Unmat.....McIntosh, Minn
 Atkin, Lula Z, Unmat.....Kansas City, Mo
 Atkinson, Dorothy F, Grad.....Spokane
 Atkinson, Marjorie, Educ.....Spokane
 Attebery, Uri Oscar, Unmat.....Elk
 Aubert, Wm P, Phar.....Port Townsend
 Ammann, Dorothy, LA.....Port Angeles

Aurland, Margaret, Grad.....Minot, ND
 Austin, Frances M, Educ.....Seattle
 Austin, Mary Cathern, LA.....Seattle
 Avakian, Victoria, Unmat.....Eugene, Ore
 Bach, Othella A, LA.....Seattle
 Bachman, Paul S, Grad.....Seattle
 Baerresen, Bertha I, LA.....Denver, Colo
 Baerresen, Edna E, LA.....Denver, Colo
 Bagby, Grace, Grad.....Flint, Mich
 Bagby, Hazel, LA.....Centertown, Mo
 Bailor, Wallace Floyd, Educ.....Onalaska
 Baird, Edwinna, LA.....Spokane
 Baird, Frank Pierce, Educ.....Boise, Ida
 Baird, Frieda, Unmat.....Jamaica, Ill
 Baird, Jean, LA.....Seattle
 Bakeman, Frances, Grad.....Snohomish
 Baker, Carl O, Grad.....Garfield
 Baker, Hazel Smelling, Unmat.....Bothell
 Baker, Helen M, LA.....Seattle
 Baker, Martin H, Educ.....Bathell
 Baker, Mary Harriet, Educ.....Butte, Mont
 Baker, Mildred F, Phar.....Centralla
 Baker, Rena Rose, Educ.....Robe
 Baker, Willard O, Grad...N Plymouth, Ida
 Baker, Wm Roy, Unmat.New Plymouth, Ida
 Ballard, Louise E, FA.....Seattle
 Balzer, Walter, BA.....Spokane
 Bankhead, Bessie W, Grad..Weatherford, Tex
 Banks, Newell Jeffers, LA.....Centralla
 Banno, Arthur S, Unmat..Toyohashi, Japan
 Bardon, Mary L, Educ.....Kallispell, Mont
 Burqquist, Bertha, Educ.....Bothell
 Barker, Gertrude B, Educ.....Burlington
 Barker, Iryl C, Grad.....Pueblo, Colo
 Barker, Loris T, Educ.....Burlington
 Barley, Ruth, LA.....Seattle
 Barnard, Louise, Sci.....Seattle
 Barnwell, Cecile K, Educ.....Albia, Ia
 Barrett, Ford Shocum Jr, LA.....Spokane
 Barron, Dorothy Fraser, Educ.....Seattle
 Barrow, Gwendolyn, LA.....Seattle
 Barthelmy, Lillian, FA.....Seattle
 Bash, Mary I, Grad.....Seattle
 Bashor, Thurston C, Law.....Seattle
 Bass, Alberta, Unmat.....Beebe, Ark
 Bassett, Florence W, Educ.....Harrington
 Batdorf, Beryl, Educ.....Bellingham
 Baum, Delphine, Grad.....Mitchell, SD
 Baum, Roy N, Grad.....Mitchell, SD
 Baxter, John Mc, LA.....Seattle
 Beach, Nellie L, Unmat.....Seattle
 Beal, Maud Layton, LA.....Seattle
 Bean, Mrs Minnie D, Educ.....Tacoma
 Beardsley, Arthur S, Grad.....Seattle
 Beasom, Rev James Prince, LA.....Seattle
 Beatty, Vera J, Educ.....Seattle
 Beaty, Josephine A, FA.....Seattle
 Beauchamp, Grace, LA.....Winlock
 Beck, George F, LA.....Ellensburg
 Beck, Mildred U, Grad.....Enid, Okla
 Beck, N E, Grad.....Seattle
 Beckham, Leona M, Grad.....Seattle
 Beebe, June, Grad.....Walla Walla
 Beecham, Elma, Unmat.....Everett
 Beede, Margaret, Grad..Grand Forks, ND
 Behnke, Nellie Wass, Educ.....Seattle
 Behrens, Audrey, LA.....Seattle
 Behrens, Eunice C, LA.....Seattle
 Belknap, Stephens Mae, LA.....Seattle
 Bell, Carl S, Grad.....Seattle
 Belsher, Edith, Unmat.....Macon, Mo
 Bennett, Constance, Bus.....Seattle
 Bennet, Elizabeth, Grad.....Seattle
 Benson, Mary Ellen, Educ.....Waverly
 Benson, Adolph Martin, Unmat..Moline, Ill
 Benson, Wm P, LA.....Bellingham
 Benthlen, Elsie M, Grad.....Tacoma
 Bentley, Helen, Sci.....Seattle
 Bentley, Nora M, LA.....Tacoma
 Berg, Ida Blanche, Grad.....Seattle

Berg, Mrs Margaret H, Grad.....	Seattle
Bergh, Violet W, Educ.....	Seattle
Berolski, Edward M, Law.....	Bellingham
Berry, Ray M, Grad.....	Blackfoot, Ida
Berryman, Carl Wilbur, Grad.....	Seattle
Berst, Esther Weage, Grad.....	Seattle
Bessesen, Ben Burton, Grad.....	Seattle
Best, Mary Elmyra, Grad.....	Yakima
Betts, Kennedy, LA.....	Seattle
Betz, Gerard, LA.....	Seattle
Beusch, Otto W, LA.....	Silver Creek
Biggers, Ruth C, FA.....	Seattle
Biggs, M Catherine, Grad.....	Seattle
Biggs, Statira G, Grad.....	Seattle
Bigley, John, Educ.....	Cle Elum
Birch, Grace W, Unmat.....	Greencastle, Ind
Bird, Emma M, Educ.....	Seattle
Bishop, Grace V, Unmat.....	Seattle
Bitner, Ella, Grad.....	Kellogg, Ida
Bjorkquist, E J, Grad.....	Burlington
Bjorkquist, Helen K, LA.....	Burlington
Black, Alberta Frances, Educ.....	Tacoma
Black, Bertha A, Unmat.....	Seattle
Black, Charles Donald, LA.....	Vancouver
Black, Dorothy, LA.....	Seattle
Blackhart, Mabel, LA.....	Hagerman, Ida
Blackstone, Helen A, Unmat.....	Seattle
Blackstone, Jessie E, Unmat.....	Anaconda, Mt
Blade, Frank Joseph, Grad.....	Seattle
Blaha, Viola, FA.....	Two Rivers, Wis
Blain, Edith M, LA.....	Armlington, Mont
Blaine, Louisa H, Grad.....	Seattle
Blair, Hoyt F, Uncl, LA.....	Bickleton
Blanchard, Mary, Grad.....	Seattle
Blankenship, William R, Grad.....	Walla Walla
Blegan, Constance H, Educ.....	Hudson, Wis
Bloom, William Howard, Bus.....	Sharon
Bloomfield, B Jarvis, LA.....	Vancouver, BC
Boardman, Geo C, LA.....	San Francisco, Cal
Boardman, Mary, LA.....	Spokane
Boe, Minnie S, LA.....	Fargo, ND
Boggs, Orle Cameron, Unmat.....	Seattle
Bond, Rowena, Grad.....	Seattle
Bondeson, Selma, LA.....	Seattle
Bone, Marguerite, Educ.....	Seattle
Bonell, Aura M, Grad.....	Fall City
Boner, Bernice A, LA.....	Seattle
Bonlie, Gilbert N, LA.....	Quincy
Bonney, Zaidce E, Grad.....	Tacoma
Booker, Paul E, Educ.....	Seattle
Bookhout, Russel F, LA.....	Madison, Wis
Boomer, Frances Noreen, Sci.....	Sunnyside
Borrow, Martha, LA.....	Seattle
Borzal, John, Bus.....	Sydney, Australia
Boucher, Helen Coy, Educ.....	Bellingham
Bouncy, C Milburn, Grad.....	Winslow
Boudry, Frances W, FA.....	Winslow
Bourgette, Viola M, Unmat.....	Juneau, Alaska
Boutelle, Virginia, Grad.....	Seattle
Bovee, Edna Florence, Unmat.....	Spokane
Bowen, Alice, Unmat.....	Tacoma
Bowen, Beth, Sci.....	Seattle
Bowen, Frank H, Grad.....	Montesano
Bower, Ruth A, FA.....	Butte, Mont
Bowman, Anne, Unmat.....	Forest Grove, Ore
Bowman, Ivy Blanche, Unmat.....	Chico, Cal
Bowman, Laura Maud, Educ.....	Yakima
Bowman, Louise M, FA.....	Seattle
Boxer, Mary Edith, LA.....	Seattle
Brannick, Anne M, Educ.....	Bellingham
Brannon, Myrtle, Educ.....	Auburn
Brattain, Walter H, Grad.....	Seattle
Breakey, Forrest W, Grad.....	Snohomish
Brearley, Ethel M, LA.....	Seattle
Brekke, Helen Alfreda, Unmat.....	Seattle
Brennan, Margaret, LA.....	Seattle
Bresnahan, Josephine, LA.....	Colville
Brethorst, Marguerite, Grad.....	Seattle
Breuer, Leo William, Educ.....	Bellingham
Brewer, Vincent R, Bus.....	Seattle
Bridgman, Alfred Wm, Bus.....	Seattle
Brier, Howard Maxwell, Educ.....	Everett
Briggs, Dorothy E, Educ.....	Opportunity
Brimson, Marlon G, Phar.....	Seattle
Brinck, Stephen M, Grad.....	Seattle
Brode, J Stanley, Grad.....	Seattle
Broder, John Harold, LD.....	Seattle
Brook, Mrs Alice Lee, Educ.....	Seattle
Brooks, Evelyn B, LA.....	Concrete
Brooks, Lois L, FA.....	Pasadena, Cal
Broom, Lylas, LA.....	Edmonds
Brown, Anabel, Unmat.....	Seattle
Brown, Imogene, Grad.....	Sumas
Brown, Lillian R, Educ.....	Spokane
Brown, Norman C, LA.....	Everett
Brown, Obera Emily, FA.....	Atlantic, Iowa
Brown, Otto C, LA.....	Cambrids Springs, Pa
Brown, Samuel, Unmat.....	Seattle
Brown, Sarah Dorsey, FA.....	Kaufman, Tex
Brown, Warren Jr, Law.....	Seattle
Broz, Maybelle, Educ.....	San Jose, Cal
Bruel, Teresa, Educ.....	Butte, Mont
Bryan, Vivlan B, Educ.....	Houston, Tex
Bryant, Clara L, Grad.....	Great Falls, Mont
Bryant, Albert T, Grad.....	Caldwell, Ida
Buchanan, Victor, Grad.....	Seattle
Buchanan, Victor H, LA.....	Monroe
Buckbee, Grace J, Educ.....	Minneapolis, Minn
Budde, Charles A, LA.....	Skykomish
Buerk, Louise C, Grad.....	Seattle
Bull, Mable, LA.....	Parkland
Bullock, Cecil Frank, Grad.....	Seattle
Burd, Dorothy, LA.....	Seattle
Burgess, Carolyn, FA.....	Seattle
Burkman, Joel A, Grad.....	Seattle
Burkman, Orpha, Grad.....	Seattle
Burleigh, Bess M, Educ.....	Seattle
Burmeister, Claudys S, FA.....	Seattle
Burnam, David Lincoln, FA.....	Anacortes
Burnett, Bert, Law.....	Seattle
Burnett, Alta Hazel, Educ.....	Seahurst
Burnham, Helen Marie, Grad.....	Spokane
Burnside, Margaret Anne, LA.....	Seattle
Burnside, Mary F, Grad.....	Lewiston, Ida
Burroughs, A P, Minrrington-on-Hudson, NY	
Bursell, Margaret, Grad.....	Seattle
Burton, Clara Belle, LA.....	Seattle
Bury, Hannah, Unmat.....	Kansas City, Mo
Busb, Elizabeth Pauline, Grad.....	Seattle
Buss, Bessie, Grad.....	Puyallup
Butler, Maude Kimball, LA.....	Buckley
Button, Arthur O, Educ.....	Battleground
Byers, Dorothy O, LA.....	Seattle
Byers, Eleanor, FA.....	Everett
Byrne, Kathryn, Sci.....	Seattle
Byrnes, Francille Mae.....	Moscow, Ida
Byron, Blanche B, Unmat.....	Seattle
Byron, Margaret, Grad.....	Seattle
Cabattit, Ireneo R, LA.....	Philippines
Cain, Estill V, Grad.....	Seattle
Colder, Mary Etta, Educ.....	Dwight, Ill
Coldwell, John H, LA.....	Twin Falls, Ida
Calhoun, Charles E, LA.....	Seattle
Calhoun, Vira, Educ.....	Aberdeen
Callahan, Patricia W, LA.....	Minneapolis, Minn
Callow, Edward Joseph, Grad.....	Elma
Calvird, Enid, LA.....	Clinton, Mo
Campbell, Alexander Jr, Grad.....	Seattle
Campbell, S Edith, Unmat.....	Seattle
Campbell, Ernest William, Grad.....	Seattle
Campbell, Evelyn, Educ.....	Livingston, Mont
Campbell, Helen Ruth, FA.....	Seattle
Campbell, Margaret V, FA.....	Hood River, Ore
Campbell, Ruth, Grad.....	Puyallup
Capen, Donald F, Grad.....	Yelm
Carey, Charles R, LA.....	Walla Walla
Carey, Willard Wayland, Sci.....	Walla Walla
Carley, Verna A, Grad.....	Appleton, Wis
Carille, Dallas E, Grad.....	Costa Mesa
Carlson, M Alice, Unmat.....	Seattle
Carlson, Carl R, LA.....	Altoona
Carlson, Carl Hugo, Grad.....	Spanaway

Carlson, Clement, Jr., Min.....	Bellingham
Carlson, Clifford N., Unmat.....	Kent
Carlson, Florence A., Educ.....	Seattle
Carlson, John Arvid, Grad.....	Seattle
Carlson, Reuben, LA.....	Tacoma
Carr, Mrs Ella D., Unmat.....	Sitka, Alaska
Carr, Ellen G., Sci.....	Seattle
Carroll, Joseph D., Grad.....	Hartline
Carroll, M Jack, Bus.....	Seattle
Carson, Emma Louise, Educ.....	Seattle
Carson, Mollie, LA.....	Castle Rock
Carson, F Stanley, Grad.....	Hinghuoa, China
Carssow, Anna Geraldine, Sci.....	Odessa
Carssow, Elsie L., Sci.....	Odessa
Carstens, Clarence Tom, Bus.....	Seattle
Carstens, Lillian, FA.....	Seattle
Carter, Grace E., Unmat.....	San Francisco, Cal
Carter, Janie V., LA.....	Anacondia, Mont
Carter, Lem R., Grad.....	Seattle
Carter, Mary Frances, Grad.....	Anacortes
Cartwright, L Dorothy, Grad.....	Seattle
Cary, Miles Elwood, Grad.....	Honolulu, Hawaii
Case, Austin, Grad.....	Seattle
Case, Edith, Grad.....	Kansas City, Mo
Case, A Bureleigh, Unmat.....	Seattle
Casselman, Jessie E., FA.....	Vancouver, BC
Cassill, E Miriam, LA.....	Sopkane
Catton, Lois J., Grad.....	Seattle
Caulkins, Glenn W., Grad.....	Cashmere
Cavanaugh, Edith, Educ.....	Seattle
Cavanaugh, Esmer Dorothy, Educ.....	Seattle
Cekada, Martha A., Grad.....	Tacoma
Chadwick, Beatrice, LA.....	Vancouver, BC
Chadwire, Donald, Grad.....	New York City
Chamberlain, Percy I., Grad.....	Seattle
Chamberlin, James E., LA.....	Seattle
Chamberlin, Maude Agnes, LA.....	Tacoma
Chambers, J Mae, Educ.....	Roy
Chan, George L., Bus.....	Swaton, China
Chang, Hai Yun, LA.....	Shanghai, China
Chang, Pel Yuan, Grad.....	Tientsin, China
Chang, Tse-Sheng, LA.....	Yuksein, China
Chan-Yam, Victor, LA.....	Sun Woy, China
Chaplin, Jessie E., Educ.....	Spokane
Chapman, Lucille Bemis, Grad.....	Cheney
Chappel, Winifred M., LA.....	Seattle
Charlton, Harriet, FA.....	Chehalis
Chase, Frances L., Educ.....	Seattle
Chase, Warren Wm., LA.....	Moorhead, Minn
Cheatham, Winifred, Unmat.....	Seattle
Cheever, Gertrude A., Unmat.....	Seattle
Chen, David Henry, LA.....	Nanking, China
Chen, Kuei Mei, LA.....	Shanghai, China
Chene, Rao Pu, LA.....	China
Chenoweth, John A., Grad.....	Wallowa, Ore
Chilberg, Mabel, Grad.....	Port Madison
Childs, Ruth E., Educ.....	Yakima
Chin, Poy S., Bus.....	Seattle
Christensen, Dorothy, Educ.....	Olympia
Christensen, F A Jr, Bus.....	Seattle
Christensen, Marie L., Grad.....	Centralin
Christenson, P E, Grad.....	Eugene, Ore
Christy, Dagmar, FA.....	Seattle
Church, Anna E., Grad.....	Tacoma
Church, Ruth, Margaret, Educ.....	La Conner
Chute, Clyde Clifton, Unmat.....	Vancouver
Chute, Ernest E., Grad.....	Peshastin
Clague, John A., Engr.....	Seattle
Clancy, Alice Joanne, FA.....	Seattle
Clancy, Margaret, FA.....	Seattle
Clark, Marjorie E., LA.....	Seattle
Clark, Virginia Hoffman, Grad.....	Rainier
Clark, Wesley M., Sci.....	Seattle
Clarke, Lillian, Grad.....	Seattle
Clausen, Christina, Unmat.....	Spokane
Clayton, Walter C., Engr.....	Seattle
Clement, Robert A., Sci.....	Spokane
Cleveland, Carl M., LA.....	Tacoma
Clifton, Lois, Unmat.....	Tacoma
Cline, Denzel C., Grad.....	Isabel, Kan
Cline, Ida Riste, LA.....	Seattle
Cloughley, Walter M., Bus.....	Yakima
Clow, Margaret E., LA.....	Crystal Lake, Ill
Cobley, J Arnold, Law.....	Ontario
Cockshoot, L J., Grad.....	Seattle
Cody, Mary E., Educ.....	Butte, Mont
Coe, Winifred E., Grad.....	Seattle
Coffinberry, Pearl S., Grad.....	Long Beach, Cal
Coffin, Mabel, FA.....	Seattle
Coffman, Abel M., Grad.....	Bellingham
Cohen, Phillip G., Grad.....	Tacoma
Cohn, Rose M., LA.....	Spokane
Coke, Martha E., Grad.....	Seattle
Cole, Clyde A., Sci.....	Seattle
Cole, Cleo Gennette, Grad.....	Seattle
Cole, Helen Voss, LA.....	Seattle
Cole, arjorie K., LA.....	Seattle
Cole, Miriam E., Grad.....	Seattle
Cole, Rhoda, Sci.....	Gainsborough, Sask
Cole, Robert J., Mines.....	Blue Earth, Minn
Cole, C Stewart, Unmat.....	Yakima
Cole, Sylpha J., LA.....	Bellingham
Colegrove, Rosannah, LA.....	Laramie, Wyo
Coleman, Raymond W., Grad.....	Mt. Blydes, Ont
Coleman, Vera Faye, FA.....	Bickleton
Collard Edith D., Sci.....	Walla Walla
Collins, Minnie M., LA.....	Camp Lewis
Collins, Parker, LA.....	Seattle
Collins, Wallace G., LA.....	Seattle
Cone, Mrs Bernice C.....	Bellingham
Cone, Dwight H., Educ.....	Seattle
Conger, Dorothy M., LA.....	Seattle
Connell, Archie M., Grad.....	Bellingham
Connolly, B Genevieve, LA.....	Hensler, ND
Connolly, John F., Unmat.....	Seattle
Constable, John Heywood, Grad.....	Harbor
Converse, Adelia M., LA.....	Seattle
Converse, Esther Josephine, LA.....	Seattle
Cook, Addie I., LA.....	Caldwell, Id
Cook, Eugene H., Bus.....	Seattle
Cook, Grant, Unmat.....	Milwaukee, Wis
Cook, Lois F., Grad.....	Snohomish
Coolidge, Eva Alethea, Grad.....	Seattle
Coombs, Dorothy, Unmat.....	Napa, Cal
Coon, Grace, Educ.....	Yakima
Cooper, Edwin V., Educ.....	Seattle
Cooper, Frances, Educ.....	Chatfield, Minn
Cooper, Isabel D., Grad.....	Tacoma
Cooper, Lillian M., Grad.....	Pilot Rock, Ore
Cope, Harvey F., Grad.....	Medford, Ore
Copeland, Neva R., LA.....	Manhattan, Mont
Copley, Blanche C., LA.....	Maunette
Copps, Erma V., Educ.....	Everett
Corbally, John E., Grad.....	South Bend
Corbin, Evelyn, LA.....	Tacoma
Corlett, Thirza, Grad.....	Seattle
Cornue, Max Donald, Grad.....	Seattle
Corskie, Florence B., Grad.....	Seattle
Countryman, George C., Unmat.....	Everett
Court, Thelma M., LA.....	Carnation
Cowan, Kathleen M., Grad.....	Devils Lake, ND
Cowell, Ray Theodore, Grad.....	Mt Vernon
Cowgill, Norma H., Grad.....	Grangeville, Ida
Coydan, Steven, Grad.....	Seattle
Craig, Dora B., LA.....	Seattle
Crait, Lawrence A., Bus.....	Seattle
Crane, Edith Mae, Grad.....	Epwich, SD
Crane, Elzata G., Unmat.....	Seattle
Crapser, Anna H., LA.....	Tacoma
Crawford, Bertha E., Educ.....	Tacoma
Creamer, Evelyn, Grad.....	Ferndale
Creamer, Una L., Grad.....	Ferndale
Criddle, Carol Elizabeth, FA.....	Seattle
Crist, Constance, Sci.....	Seattle
Crockett, Joy, Unmat.....	Portland, Ore
Crockett, Mildred Firth, Grad.....	Seattle
Cross, Helene M., Unmat.....	Long Beach, Cal
Crottinger, Clara M., LA.....	Seattle
Crowley, Nina R., Grad.....	Seattle
Crumbacker, Calvin, Grad.....	Missoula, Mont
Cruzen, Eugenia C., Sci.....	Boise, Ida
Culbertson, Mary H., LA.....	Seattle
Cull, Ruth L., LA.....	Yakima
Culp, Estella B., Unmat.....	Casper, Wyo

- Culver, Lela A, LA.....Seattle
 Cummings, Blanche Mary, LA.....Tacoma
 Cummings, Gladys R, Grad.Fairhaven, Mass
 Cummings, Kathryn, LA.....Tacoma
 Cummings, Rena, Educ.....Seattle
 Cummings, Rial W, LA.....Lambert, Mont
 Cunningham, Gertrude, Grad.....Puyallup
 Currie, Elene M, Sci.....Bridges, Mont
 Curry, Mrs Eva Philip, Sci.....Byron
 Curtis, Ann Mary, Unmat.....Mt Vernon
 Cutts, Cecilia, Grad.....Seattle
- Dahl, Bernice, Grad.....Seattle
 Dahl, Dora E, Educ.....Seattle
 Dahlstrom, Esther V, Educ.....Seattle
 Dahlstrom, Laura, Grad.....Fromberg, Mont
 Daigh, Margaret, Grad.....Seattle
 Dailey, Manvel C, Engr.....Seattle
 Dale, Anga M, FA.....Parkland
 Daigity, Jean, Educ.....Seattle
 Daling, Lena, Educ.....Waterville
 Damerell, V Richard, Grad.....Earlington
 Damon, Frank A, Bus.....Prosser
 Daniels, Albert S, Bus.....Tacoma
 Daniels, Mary, Educ.....Seattle
 Dark, Dorothy, Sci.....Seattle
 Daufenbach, Margaret, Unmat.Milw'e, Wis
 Daugherty, Anna Mott, Grad.....Seattle
 Daut, Audrey, LA.....Seattle
 Daverlin, Lyle, LA.....Yukima
 Davids, Abel, Grad.....McMinnville, Ore
 Davidson, Dorothy B, Grad.....Seattle
 Davidson, Ora, Educ.....Seattle
 Davies, Anne, LA.....Carbonado
 Davies, Enid, LA.....Seattle
 Davis, Gertrude Annie, Grad.....Chinook
 Davis, A C, Unmat.....Yakima
 Davis, Chauncey D, Educ.....Kapowsin
 Davis, Coleman Laura, LA.....Seattle
 Davis, Frank L, Bus.....Seattle
 Davis, Margaret M, Unmat.Longmont, Colo
 Davis, Ray N, Grad.....Seattle
 Davis, Rosanna, Unmat.....Longmont, Colo
 Davis, Wilbur L, Bus.....Seattle
 Davison, Elmer E, Grad.....Boise, Ida
 Dawson, Daniel O, Unmat.....Seattle
 Ray, Robena W, Unmat.....Seattle
 Dayton, Maude E, Unmat.....Pocatello, Ida
 Deasy, Catherine, Educ.....Seattle
 De Camp, Stella Jean, Educ.....Spokane
 Deeney, Mary H, Educ.....Butte, Mont
 Deering, Esther A, Educ.....Snohomish
 Degering, Ed F, Grad.....Mt Vernon
 De Heus, Rachel, Educ.....Spokane
 De La Cuesta, Bernardo R, Min.Philippines
 Delaney, Verner D, FA.....Seattle
 Del Duca, Elizabeth, Sci.....Seattle
 DeMarry, Dorothy, FA.....Rupert, Ida
 DeMerchant, Cora Joe, Educ.....Oroville
 Demmery, Joseph, Unmat.....Pullman
 Deng, Geo Dah Shien, Fish.....China
 Denniston, Emma M, LA.....Manchester
 DeShazo, Melvin Gardner, Grad.....Seattle
 de Tourville, Audrey J, Grad.....Seattle
 DeWitz, Lucila, LA.....Spokane
 DeWitz, Merceda, Educ.....Spokane
 Dick, Gordon Wayne, LA.....Seattle
 Dickerman, H E, Grad.....Seattle
 Dickinson, Bessie S, Sci.....Vancouver, BC
 Dicks, Vesta R, Grad.....Lakeview, Ore
 Dickson, William J, LA.....Sedro-Woolley
 Dimmitt, A W, LA.....Renton
 Dimmitt, Lorris M, Grad.....North Bend
 Dirkes, Wanda Knox, Grad.....Seattle
 Dobrin, Hilda, LA.....Yakima
 Dock, Thelma, LA.....Stanwood
 Docka, Arthur P, Educ.....Everett
 Dodd, Gregory E, LA.....Wapato
 Dodge, Bradley M, LA.....Seattle
 Dogan, James F, Grad.....Seattle
 Doheny, Geraldine, LA.....Seattle
- Dolan, Irene, Grad.....Kent
 Domplier, Beatrice E, FA.....Towner, ND
 Donahue, Alfred B, Educ.....Ellensburg
 Donahue, M Alice, Grad.....Ellensburg
 Donald, Isabel, Grad.....Honolulu, Hawaii
 Donaldson, Hallie, FA.....Allyn
 Donoghue, Benjamin F, LA.....Seattle
 Dooley, Florence E, Unmat.....Mandan, ND
 Doran, Ida F, LA.....Altkin, Minn
 Doremus, Della Ellen, Grad.....Seattle
 Dotson, Verner Leroy, Grad.....Boise, Ida
 Doty, Gladys K, LA.....Seattle
 Doubrovsky, Reva, Grad.....Toppenish
 Douglas, Mrs Helen Holly, Grad.....Seattle
 Douglas, Jean E, LA.....Seattle
 Douglas, Maud A, Grad.....Wilkeson
 Downs, Lucille Cecilia, LA.....Spokane
 Downes, Marjory, Educ.....Lawrence, Kan
 Doyle, Persis M, Educ.....Seattle
 Drager, Rose, LA.....Turner, Ore
 Drake, Cornelia Polk, Sci.....Spokane
 Draper, Edgar Marian, Grad.Ontario, Ore
 Draper, Isabel, Unmat.....Seattle
 Drever, Helen, LA.....Seattle
 Drew, Claire, LA.....Seattle
 Driscoll, Anna Marie, Sci.Kalispell, Mont
 Dudley, Bessie Mary, Grad.Columbus, Ga
 Dumbolton, Merle, LA.....Wichita
 Dunagan, Dessie May, LA.....Perndale
 Dunagan, Maude, LA.....Seattle
 Duncan, Charles A, LA.....Seattle
 Duncan, C W, Grad.....Portland, Ore
 Duncan, Kwei Benjamin, FA.....China
 Dunham, Margery, Law.....Seattle
 Dunlap, Ella Mable, Grad.....Sendwich, Ill
 Dunlap, Nona Udell, Unmat.Casper, Wyo
 Dunmore, Blanche, LA.....Seattle
 Dunn, Florence Steele, FA.....Spearfish, SD
 Dunn, John Marshall, LA.....Juneau, Alaska
 Dunning, Guy E, Grad.....Washtucna
 Duntun, Marjorie M, Grad.Santa Rosa, Cal
 Durham, H F, Unmat.....Salem, Ore
 Durrwachter, Hilda M, Educ.....Seattle
 Durrwachter, Irma, Educ.....Seattle
 Dusenberry, Inez M, LA.....Seattle
 Duwe, Dora, LA.....Onalaska
 Dyke, Joe C, Bus.....Seattle
 Dykstra, Ressie George, Educ.....Seattle
- Eades, Beulah, Educ.....Mesa
 Eastham, Ethel, LA.....San Jacinto, Cal
 Eastman, Myra E, Sci.....Bellingham
 Ebner, Clement J, Unmat.Mt Angel, Ore
 Eby, George, Unmat.....Dixie
 Eby, E Harold, Grad.....Spokane
 Eby Ruth Wise, Unmat.....Walla Walla
 Eccles, Grace, Grad.....Kent
 Eckelson, Genevieve E, LA.....Portland, Ore
 Eckrem, Dalgreen Lillian, FA.....Seattle
 Eckstein, Howard, Bus.....Seattle
 Ector, Phoebe Payne, Grad.....Seattle
 Edens, Annette, FA.....Bellingham
 Edler, Olof E, Phar.....Mt Vernon
 Edwards, Archie C, Grad.....Seattle
 Edwards, Geo W, Grad.....Seattle
 Egbers, Mark W, Unmat.....Spokane
 Egleston, Lovina, Unmat.Kansas City, Mo
 Eldal, Elmer Oliver, Educ.....Olympia
 Eldal, Otto Clarence, Educ.....Wilkeson
 Eljenholm, Richard D, For.....Hoquiam
 Elledge, Lela M, LA.....Seattle
 Elliott, Edith A, LA.....Seattle
 Elliott, Minnie P, Sci.....Redstone, Mont
 Ellis, Eugenia, Educ.....Sumner
 Ellis, Mrs Gertrude B, Educ.....Anacortes
 Elyea, Winifred, Grad.....Tacoma
 Embrey, Alonzo G, Unmat.....Seattle
 Emery, Harry Ellsworth, Grad.....Bellingham
 Emmett, Cordelia M, LA.....Edmonds
 Engdahl, Selma, LA.....Mt Vernon
 Engle, Leona H, LA.....Tacoma

Engle, Nathaniel Howard, LA.....Seattle
 Engle, Ruth M. H., Grad.....Olympia
 Erdman, Natalie, LA.....Seattle
 Erickson, Lalla G., Grad.....Seattle
 Erickson, Anne, Educ.....Seattle
 Erickson, Gladys J., LA.....Seattle
 Erlandson, Helga O., Unmat.....Aneta, ND
 Ernst, James E., Grad.....Mohrsville, Pa
 Estepa, Sotero, LA.....Philippines
 Estes, John F., Grad.....Bow
 Ethel, Garland Oral, Grad.....Seattle
 Euler, Ruth, Educ.....Seattle
 Evans, Earl H., Educ.....Everett
 Evans, Harry W., Bus.....Seattle
 Evans, Irene, Bus.....Bellingham
 Evans, Lacey H., Sci.....Vancouver
 Evans, Margery C., Grad.....Kapowsin
 Evanson, Hazel Grace, Educ.....Seattle
 Evanson, Theodore, Grad.....Oakesdale
 Everett, Elizabeth, Educ.....Spokane

Fabey, Anna Amy, LA.....Seattle
 Fahey, Ella Irene, LA.....Seattle
 Fahning, Grace H., Unmat.....Waterville
 Fahrenwald, Alice, Educ.....Seattle
 Falkenstein, Della E., Educ.....Los Angeles
 Falkenstein, Helen H., Unmat.....Los Angeles
 Fan, Hong Tcheou, LA.....China
 Fanelow, Fern L., LA.....Perry, Iowa
 Farnalls, Margaret, FA.....Halkirk, Canada
 Fate, Hugh B., LA.....Montour, Ida
 Faubert, Alice M., Grad.....Shelton
 Faucett, Philip H., Engr.....Clatskanie, Ore
 Fawcett, Mark, Grad.....Sidney, Mont
 Fearnell, Eda W., Unmat.....Miles City, Mont
 Felch, Baxter C., Bus.....Seattle
 Felton, Rhoda, LA.....Spokane
 Ferguson, E. Lee, LA.....Moro, Ark
 Ferguson, Minnie E., Educ.....Clearwater, Minn
 Ferrier, William K., Grad.....Bellingham
 Fevold, Sophia, Sci.....Humboldt, Iowa
 Field, Mary Showalter, Grad.....Medina
 Fike, Eunice, Grad.....Omaha, Neb
 Finseth, Karin D., Sci.....Brush Prairie
 Fisher, Leole, Educ.....Portland, Ore
 Fisher, Maler Thornton, Bus.....Edwall
 Fisher, W. D., LA.....Napa, Cal
 Fisk, Gertrude B., LA.....Rye Gate, Mont
 Fisk, Russell T. F., Educ.....Seattle
 Fitzgerald, Edna May, LA.....Bozeman, Mont
 Fitzgerald, Hattie May, Sci.....Seattle
 Fitzpatrick, Maude, Unmat.....Le Mars, Iowa
 Fitzsimmons, Marguerite, Educ.....Vancouver
 Flannery, Marybeth, LA.....Seattle
 Flannigan, Fred L., BA.....Seattle
 Flavin, Ruth Anne, FA.....Tacoma
 Fleming, Eloise, Grad.....Yakima
 Fleming, Gertrude, LA.....Groveand, Colo
 Flock, Eunice, LA.....Anatone
 Floodman, Milton N., LA.....Wahoo, Neb
 Foltz, Elva, Sci.....Seattle
 Foncier, Guillermo C., LA.....Philippines
 Foote, Luanda, Educ.....Seattle
 Foote, Margaret, LA.....Seattle
 Forum, Preston Lewis, Engr.....Seattle
 Ford, Gertrude C., Bus.....Trenton, Neb
 Ford, Lillian C., Educ.....Valley City, ND
 Ford, Lyle E., Unmat.....Tacoma
 Ford, Wm Fendleton, LA.....Seattle
 Forrest, Veda, Grad.....Bellingham
 Forster, F. E., Bus.....Seattle
 Forward, Charles H., For.....Oregon City, Ore
 Foss, Lillian, LA.....Seattle
 Foss, Mary Loretta, FA.....Seattle
 Foster, Charles J., Grad.....Seattle
 Foster, Dorothy Vaughan, Grad.....Seattle
 Foster, Josephine, LA.....Edmonds
 Foster, Lucretia M., Unmat.....Coalville, Mex
 Foster, William E., Bus.....Cowiche
 Fowler, Franklin W., Educ.....Seattle
 Fowler, Helen Toles, FA.....Everett

Fowler, Louise H., Grad.....Seattle
 Fowler, Nan Reavis, Grad.....Seattle
 Francia, Irene F., Sci.....Philippines
 Fraser, H. Frank, Law.....Bellingham
 Frederick, Alice P., LA.....Seattle
 Freeman, Myrta A., LA.....Stockton, Cal
 Freistal, Mabel R., LA.....Rock Island, RI
 Frederici, Hazel, LA.....Seattle
 Froom, Edith P., FA.....Tacoma
 Frudensfeld, Mildred, LA.....Seattle
 Fry, Mrs Allison J., Unmat.....Sheridan, Ore
 Fry, Charles A., LA.....Portland, Ore
 Frye, Nora, Unmat.....Spokane
 Fuller, Paul L., Educ.....Hoquiam
 Fuller, William D., Grad.....Modesto, Cal
 Fullington, Mary, FA.....Seattle
 Fulton, Lois M., Grad.....Asotin
 Furgeson, Carey D., LA.....Seattle

Gallagher, Eileen, LA.....Seattle
 Galligan, Glendon, Grad.....Everett
 Gamble, Lucy, Grad.....Portland, Ore
 Gannon, Mary Elgin, Unmat.....Ontario, Ore
 Garbe, Frank, LA.....Chehalis
 Garcia, Julian B., LA.....Philippines
 Garcia, Maximo P., Mnes.....Philippines
 Gard, Ethel R., Grad.....Grand River, Iowa
 Garrett, Marian, LA.....Walla Walla
 Garrison, George, Bus.....Seattle
 Garrod, Leonore, Bus.....Seattle
 Gast, Mildred C., Educ.....Tacoma
 Gatewood, Theresa Van, Grad.....Asotin
 Geck, Edith E., Unmat.....Kalispell, Mont
 Geer, Beryl, LA.....Attalla
 Geer, Willard, Educ.....Attalla
 Geisness, Evelyn, LA.....Pt Angeles
 Gelvin, Elizabeth, Grad.....Bellingham
 Gemmell, Fred M., Educ.....Seattle
 Gendron, Noella A., Grad.....Yakima
 Gerriets, Eva A., Grad.....Mt Vernon
 Gerrieth, Olive M., Educ.....Seattle
 Gerritt, Harriet Ina, Sci.....Seattle
 Gerriets, Minnie, Grad.....Mt Vernon
 Gibbon, Waldyn Lorain, LA.....Sultan
 Gibson, Clara A., LA.....Everett
 Gibson, Frederick O., Grad.....Davenport
 Gilbreath, Matilda K., Grad.....Seattle
 Gilhams, Helen, LA.....Sturgis, Mich
 Gillespie, James C., Educ.....Peck, Ida
 Gillett, Erma M., Sci.....Seattle
 Gillings, Bertha, Uncl.....Omak
 Gillis, Ewen, Grad.....Brodbalbane, Canada
 Gilmes, Mary Gertrude, LA.....Seattle
 Gingrich, Esther M., Educ.....Spokane
 Gingrich, Pearl, Grad.....Spokane
 Glasser, Harry G., Grad.....Seattle
 Glass, Rose, Grad.....Seattle
 Gnagey, Muriel Jasper, Grad.....Seattle
 Glen, Juliet K., FA.....Seattle
 Godefroy, William H., Sci.....Spokane
 Godsey, Bess H., LA.....Seattle
 Godwin, Myra, LA.....Duvall
 Goehring, Viola, Bus.....Seattle
 Goodenow, Helen A., LA.....Battle Creek, Ia
 Goodnough, Neil L., Unmat.....Seattle
 Goodrich, Laurence B., Grad.....Spokane
 Goodsell, Julia Elizabeth, Sci.....Chelan
 Gorow, George Franklin, Grad.....Tacoma
 Gowen, Octavia L., LA.....Caldwell, Ida
 Grady, Anna Earl, Unmat.....Seattle
 Graff, P. N., LA.....Seattle
 Graff, Clark F., LA.....Everett
 Grafton, Carlea, LA.....Spokane
 Graham, Esther Kellner, LA.....Seattle
 Graham, Grace W., Unmat.....Winnipeg, Man
 Graham, Mary Helen, FA.....Bellingham
 Granberg, Ida, Unmat.....Portland, Ore
 Grant, Eugene L., Grad.....Bozeman, Mont
 Grant, Helen G., Educ.....Iroquois, SD
 Grant, Helen L., LA.....Seattle
 Grant, Ruth A., Bus.....Seattle

Grass, Alice May, Unmat.....	Seattle
Grass, Loretta B, LA.....	Tacoma
Graves, Wm Sheffield, Sci.....	Seattle
Gray, Howard B, Grad.....	Seattle
Graybeal, Mattie F, Grad.....	Emory, Va
Grayum, William H, Grad.....	Puyallup
Green, Thomas M Jr, Law.....	Seattle
Greene, John W, Engr.....	Seattle
Gregory, William C, Grad.....	Battleground
Griffin, Alys Carmody, Unmat.....	Seattle
Griffen, Daisy Berg, Educ.....	Bellingham
Griffin, Marie, LA.....	Seattle
Griffith, Rena, Educ.....	Cheney
Griffith, Ruth Armstrong, Grad.....	Seattle
Griggs, Jay Howard, Educ.....	Yakima
Grossen, Tilda Freda, Grad.....	Hillsboro, Ore
Grycmaker, Daisy M, Unmat.Ft Benton, Mt	
Grycmaker, Louis L, Unmat.Ft Benton, Mt	
Gulang, Pedro G, LA.....	Philippines
Guild, Gertrude Mae, FA.....	Seattle
Gunby, Andrew C, Grad.....	Seattle
Gunderson, Geo B, Grad.....	Hardin, Mont
Gundlach, Ralph, Grad.....	Wallace, Ida
Gunning, Nellie, Unmat.....	Seattle
Guntle, Maud, Educ.....	St John
Gustafson, Hazel I, Grad.....	Lindsburg, Kan
Guthrie, Elton F, LA.....	Seattle
Guthrie, Mary E, Grad.....	Lincoln, Neb
Haack, W Margaret, Educ.....	Seattle
Haagenstad, Benjamin F, Grad.Maddock, ND	
Habenicht, Gladys, Grad.....	Coburg, Mont
Habicht, Helen, LA.....	Seattle
Hagar, Irene, LA.....	Olalla
Hagerty, Frank W, Grad.Great Falls, Mt	
Hahner, Olive, Sci.....	Spokane
Hall, Frances Aileen, LA.....	Mt Vernon
Hall, Helen M, FA.....	Seattle
Hall, Ingeborg, LA.....	Stanwood
Hall, Marjorie Chapman, Grad.....	Tacoma
Hall, Geo Mason, LA.....	Winlock
Hall, Suma, Grad.....	Potlatch, Idaho
Hallahan, Gwendolyn, Bus.....	Spokane
Halvarson, Thure, Engr.....	Seattle
Halversen, Kendall, Law.....	Seattle
Hamada, Fred I, Bus.....	Seattle
Hambert, Nona C, Educ.....	Spokane
Hambert, Rhea E, Grad.....	Cheney
Hambleton, Lizzie S, Unmat.Sandpoint, Ida	
Hamblin, Ethel, LA.....	McMinnville, Ore
Hamerly, Laurence R, Engr.....	Seattle
Hamlin, Emma, Bus.....	Seattle
Hammack, James R, Law.....	Mt Vernon
Hampson, Floyd F, Bus.....	Seattle
Honawalt, Paul Bowman, Grad.....	Puyallup
Hanger, Caroline, LA.....	Walla Walla
Hanley, Edward B, LA.....	Seattle
Hanna, Dorothy, Educ.....	St Thomas, ND
Hansen, Bert E, Grad.....	Seattle
Hanson, Elizabeth, Unmat.....	Withee, Wis
Hansen, Henrietta C, LA.....	Ellensburg
Hansen, Herbert, Educ.....	Bellingham
Hanson, Alice P S, LA.....	La Crosse, Wis
Hanson, Harry A, Fish.....	Seattle
Hanson, Louise J, FA.....	Ketchikan, Alaska
Hanson, May Ida, Bus.....	Puyallup
Harding, Bessie, Grad.....	Seattle
Hardinger, Annette, Phar.....	Seattle
Hardinger, Emery E, Grad.....	Cheney
Harmon, Edward B, Grad.....	Seattle
Harmon, Ella May, Unmat.Bozeman, Mont	
Harper, Helen, Educ.....	Irrington, Ala
Harras, Ida, LA.....	Walla Walla
Harris, John F, LA.....	Seattle
Harris, Milton, Unmat.....	Portland, Ore
Harris, Orpha E, Educ.....	St Anthony, Ida
Harrison, Mae, LA.....	Richmond Beach
Harsch, Alfred B, LA.....	Yakima
Hart, Harold S, Bus.....	Seattle
Hart, Inez S, LA.....	Ellensburg
Harteluis, Eleen, LA.....	Seattle
Hartley, Anne E, Unmat.....	Seattle
Hartmann, Elsie Ann, Grad.....	Anacortes
Hartman, G Howard, Educ.....	Selah
Harvey, Lora, LA.....	Seattle
Harvey, Ralph A, Bus.....	Seattle
Haskell, Margaret, Educ.....	Seattle
Hatch, Orville C, Law.....	Seattle
Hathaway, Lillian W, Unmat.....	Granger
Hatheway, Helen, Educ.....	Seattle
Hatley, Maimie C, Grad.....	Seattle
Hatley, Porter J, LA.....	Lynden
Hatt, Mary I, LA.....	Kent
Haugum, Evelyn, LA.....	Seattle
Havlik, Mary G, FA.....	Scappoose, Ore
Hawks, Ruth Combs, Grad.....	Seattle
Hawley, Winifred, Unmat.....	Portland
Hay, Nell, Unmat.....	Berlin, Pa
Hayashi, Elsieklchl, Bus.....	Seattle
Hazzard, Warren M, Grad.....	Seattle
Heaney, Genevieve, LA.....	Butte, Mont
Heaslip, Leonard W, Grad.....	Vancouver, BC
Hedges, Genevieve, LA.....	Seattle
Hefferman, Robert D, Unmat.....	Seattle
Heggem, Olga, LA.....	Bothell
Held, Harriet Anna, Unmat.....	Daveer
Heldeman, Karl P, Law.....	Seattle
Helse, Irwln F, Educ.....	Valdez, Alaska
Helmich, Leone, Grad.....	Yakima
Henderlite, Claude B V, Grad.....	Seattle
Henderson, Frank D, Educ.....	Aberdeen
Henry, Ruth H, FA.....	Tacoma
Henry, Ruth Stella, LA.....	Alderwood Manor
Hensel, Emille T, Grad.....	Seattle
Hensley, Mercedes Hoover, FA.....	Seattle
Henson, Ethel M, FA.....	Seattle
Hepner, Claire A, Grad.....	Helena, Mont
Herman, Gertrude M, Grad.Minneapolis, Minn	
Herman, Helen, FA.....	Ritzville
Herman, Ruth M, Grad.....	Minneapolis, Minn
Hermann, Ida M, LA.....	Seattle
Herren, Dora S, LA.....	Seattle
Herren, Thomas C, LA.....	Winlock
Herren, Virginia Lee, Uncl.....	Centralia
Herren, William Albert, Law.....	Seattle
Herrington, Wm C, Sci.....	Seattle
Heussy, Carl Rumsey, LA.....	Seattle
Hilbarger, L Pearl, Sci.....	Yakima
Hibbard, Myra, Grad.....	Seattle
Higgins, Wilma R, Bus.....	Seattle
Hight, Edwin W, LA.....	Caldwell, Ida
Higley, Florence, Grad.....	Spokane
Hilborn, Lela B, Unmat.....	Seattle
Hill, Homert T, Unmat.....	Polytechnic, Mont
Hill, Marie L, FA.....	Seattle
Hill, Pearl Hagen, Unmat.....	Bend, Ore
Hilton, Maud H, LA.....	Seattle
Hilzinger, Julia M, Educ.....	Seattle
Himes, Velma, LA.....	Hogquam
Hinckley, Elizabeth, Grad.....	Seattle
Hinckley, Kathryn, FA.....	Seattle
Hindmarsh, Albert Edward, LA.....	Seattle
Hinman, Grace, Sci.....	Seattle
Hitz, Kate, Unmat.....	Yakima
Hixson, Barbara, Educ.....	Portland
Ho, Liu Kwal, LA.....	China
Hobbs, Bernadine N, Grad.....	Vancouver
Hodge, J W, Unmat.....	Cheney
Hodge, Warren Clark, Grad.....	Kennewick
Hoffland, Henry H, Educ.....	Seattle
Hoffland, Laura F H, LA.....	Seattle
Hoffman, Dorothy Sylvia, FA.....	Seattle
Hoffman, Kathryn E, LA.....	Seattle
Hogan, Philip, Grad.....	Seattle
Holsington, Carl W, Bus.....	Kallispell, Mont
Holloway, Lucille, LA.....	Seattle
Holman, Franklin J, BA.....	Elma
Holmes, G Glenn, Grad.....	Mossy Rock
Holt, Jessie, Unmat.....	Yakima
Holter, Bessie Cole, Unmat.....	Seattle
Hong, Anna, FA.....	Seattle
Hood, Helen R, FA.....	Puyallup

Hooper, Eugene F. Law.....Seattle
 Hopper, Martha Leona, LA.....Seattle
 Hornbeck, Marie, LA.....Seattle
 Horowitz, Charles, LA.....Seattle
 Hoskins, F Lee, Bus.....Seattle
 Hotchkiss, Lulu M. Unmat.....Seattle
 Hotson, Jean Isabel, Grad. Viking, Canada
 Hovde, Alma, Sci.....St James, Minn
 How, Jessie K. Educ.....Bellingham
 Howatt, Alice L. FA.....Yakima
 Howe, Ramel B. Educ.....Olympia
 Hoyt, Joseph B. Engr.....Seattle
 Hsueh, Donald Ting Mo, Educ.....China
 Hubbell, Ruth M. Grad.....Seattle
 Hudson, Minnie N. Unmat. Claremont, Cal
 Huff, Calvin A. LA.....Seattle
 Huff, Edyth, LA.....Yakima
 Huggins, Harold Ferris, Sci.....Tacoma
 Hughes, Cecil Leonard, Grad.....Seattle
 Hughes, Gladys, Educ.....Seattle
 Hughes, Nicholas P. LA.....Seattle
 Hughes, Olin Rice, LA.....Seattle
 Hulets, Helen Marie, LA.....Seattle
 Hunt, Ernest R. Grad.....Seattle
 Hunt, Frank A. Grad.....Geneva, Ia
 Hunt, Ruth A. LA.....Walla Walla
 Hunter, Nena G. Unmat. St Lawrence, SD
 Huntington, Gilbert G. Unmat. Meistone, Mt
 Hurd, Guy Winfield, LA.....Puyallup
 Hurd, May, Educ.....Seattle
 Hurlburt, Blanche, Grad. Thompson Falls, Mt
 Hurlburt, Wendell P. LA.....Spokane
 Hurley, Colla Pearl, LA.....Pecatonica, Ill
 Huse, Esther L. LA.....Wesler, Ida
 Huse, Mae, LA.....Cheney
 Hutchinson, Mary Joy.....Seattle
 Hutchinson, Pansy, Grad.....Mt Vernon
 Hutchinson, Zoe B. Sci.....Vancouver
 Hutchison, Neil, LA.....Seattle

Ikeda, Jubei, Bus.....Seattle
 Immel, Edith B. Grad.....Yakima
 Ingersoll, Oliver R. LA.....Everson
 Ingison, Lottie May, Educ.....Hope
 Iorns, Eleanor L. LA.....Seattle
 Irving, Helen C. Sci.....Seattle
 Isaac, Elizabeth, LA.....Seattle
 Isbell, Raymond Floyd, Educ.....Seattle
 Iabister, Lilla B. Unmat.....Victoria, BC

Joint, Victoria N. LA.....Philippines
 Jack, George H. Grad.....Multnomah, Ore
 Jackson, Betty, Grad.....Seattle
 Jackson, Dorothea, Educ.....Seattle
 Jackson, Julia, LA.....Black Diamond
 Jackson, Nerissa H. Unmat.....Spokane
 Jackson, Virginia, LA.....Seattle
 Jacobey, Amy Pearl, Educ.....La Grande, Ore
 Jacobsen, F A. Engr.....Seattle
 James, Harriet Clara, Phar.....Seattle
 Janeck, Marion D. Grad.....Yakima
 Jantzen, Clark M. LA.....Walla Walla
 Jarvis, Norman D. Grad.....Port Townsend
 Jarvis, William T. LA.....Seattle
 Jarrvato, Fermin, LA.....Seattle
 Jeffrey, Blanche O. Grad.....Gifford
 Jenkins, Helena, Grad.....Seattle
 Jenkins, Mary Lucile, Grad.....Bagley, Iowa
 Jensen, Arne Sigurd, Grad.....Seattle
 Jensen, Earl Christian, Sci.....Rupert, Ida
 Jensen, Elfreda, Educ.....Seattle
 Jensen, Henrietta Mae, Bus.....Ellensburg
 Jensen, Lucie, Unmat.....Clearbrook, Minn
 Jensen, Margaret Irene, LA.....Burnett, Ida
 Jensen, Marian Gullette, Grad.....Everett
 Jensen, Mattie, LA.....Clearbrook, Minn
 Jensen, Merrill Monroe, Sci. Woonsocket, SD
 Jensen, Olive, LA.....Joplin, Mont
 Jerbert, Arthur R. Grad.....Seattle
 Jewell, Marie Louise, Unmat.....Seattle

John, S Helen, Grad.....Seattle
 Johns, Leeta Lois, LA.....Seattle
 Johnson, Alice M. LA.....Toppensish
 Johnson, Alida Ruth, LA.....Kirkland
 Johnson, Arnold D. Sci.....Walla Walla
 Johnson, Berkeley G. Educ. Long Beach, Cal
 Johnson, Beulah, Unmat.....Ft Casey
 Johnson, M Elizabeth, LA.....Hoquiam
 Johnson, Elmer Wm, Bus.....Everett
 Johnson, Elsie M. Unmat.....Washougal
 Johnson, Enga, Unmat. Salt Lake City, Utah
 Johnson, Esther, Educ.....Tacoma
 Johnson, Florence A. Grad.....Seattle
 Johnson, Helen H. LA.....Superior, Wis
 Johnson, Ina Rachel, Grad.....Fargo, ND
 Johnson, Leslie W. Grad.....Edmonds
 Johnson, Lottie M O. Unmat.....Walla Walla
 Johnson, Myrtle D. UD, Educ.....Spokane
 Johnson, Paul, Unmat.....Ellensburg
 Johnson, Rex H. Unmat.....Seattle
 Johnson, Ruby L. LA.....Mt Vernon
 Johnson, Sylvia, LA.....Superior
 Johnson, Verner W. Grad. Cooperstown, ND
 Johnson, Virna B. LA.....Fargo, ND
 Johnston, Margaret, LA.....Butte, Mont
 Johnston, Robert W. Bus.....Arlington
 Jolly, E Nydia, Grad.....Seattle
 Jones, Edna M. Grad.....Sturgis, SD
 Jones, Elizabeth, Educ.....Pipestone, Minn
 Jones, Elizabeth S. Sci.....Seattle
 Jones, Estelle E. Educ.....Seattle
 Jones, eGorge F. LA.....Seattle
 Jones, Hannah, LA.....Everett
 Jones, Hattie D. LA.....Richmond Beach
 Jones, Leola Grace, Sci.....Seattle
 Jones, Louis S. LA.....Portland, Ore
 Jones, Mabel Emily, Grad. Missoula, Mont
 Jones, Malle T. Unmat.....Seattle
 Jones, Mary Gwendolen, Educ.....Auburn
 Jones, Nancy Emerson, Grad.....Seattle
 Jones, Wilfred, Educ.....Sunnyside
 Jordan, Andrew A. LA.....Seattle
 Jorgensen, Margoetha, Educ.....Yacolt
 Jorgensen, Tena, LA.....Seattle
 Judges, Bertha, Grad.....Seattle
 Just, Beata, Unmat.....Ritzville
 Just, Evangeline, Grad.....Ritzville

Kaan, Yam Tsin, Bus.....China
 Kahlke, Peter N. Bus.....Seattle
 Kahn, Fred Jr. LA.....Oakland, Cal
 Kalnulainen, Eino Matt, Engr.....Pearson
 Kaiser, Fred H. Unmat.....Seattle
 Kalal, Dan, LA.....Seattle
 Kan, Yun, For.....China
 Kantner, Nell Thompson, Grad.....Everett
 Kao, Tsi Yu, Sci.....China
 Kassebaum, Karl F. LA.....Seattle
 Kavanagh, John A. Fish. Cap Rosiers, Que
 Keefe, Robert M. Bus.....Snohomish
 Keelen, Harris B. Bus.....Walla Walla
 Keeler, W E. Unmat.....Portland, Ore
 Keenan, Frank Peter, Grad.....Seattle
 Keeney, Leo, Fish.....Bothell
 Kell, Caroline P. LA.....Seattle
 Keller, Geo M.....Redmond
 Kelley, Artie Ellen, Unmat.....Monroe
 Kelley, Marjorie, Unmat.....Seattle
 Kelley, Martha E. Grad.....Edmonds
 Kellner, Esther,Seattle
 Kellogg, Alvah C. LA.....Edmonds
 Kellogg, Harold E. Bus.....Seattle
 Kelly, Florence C. Sci. New Kensington, Pa
 Kelly, Fred, Grad.....Portland, Ore
 Kelly, Helen Phoebe, Grad.....Bellingham
 Kelly, Kathryn, LA.....Seattle
 Kemp, Nellie, Unmat.....Seattle
 Kenyon, Hazel McBee, LA.....Seattle
 Kepfinger, Lawrence M. Law.....Bellingham
 Kerchen, Joseph, LA.....Kirkland
 Kermode, Clara A. LA.....Seattle

Kerr, Elizabeth, LA.....	Seattle
Kessler, George, Grad.....	Lacey
Kester, R. K., Unmat.....	Yakima
Kiehl, Reeta, LA.....	Seattle
Kieholz, Edward G., Educ.....	Edwall
Kilkenny, Mable Reynolds, Educ.....	Seattle
Kimball, Esther E., Sci.....	Walla Walla
Kimball, Harold G., Unmat.....	Seattle
Kime, Clarence W., Educ.....	College Place
Kimura, Koreaki, Grad.....	Japan
King, Ben Randall, Grad.....	Neppel
Klug, Eleanor V., Sci.....	Seattle
King, Herbert B., Grad.....	Vancouver, BC
King, James G., LA.....	Seattle
King, June L., LA.....	Nampa, Ida
King, William A., Grad.....	Seattle
Kingsbury, Milford, FA.....	Seattle
Kinsman, Thomas Leoy, Grad.....	La Crosse
Kinsel, Maurice W., LA.....	Seattle
Kinsel, Henry C., Unmat.....	Port Orchard
Kirby, Eliza Susan, LA.....	Cle Elum
Kirschner, Earl B., LA.....	Seattle
Kirschner, Karl K., Educ.....	Las Vegas
Kizer, Kenneth B., Grad.....	Kapowsin
Kizer, Robert Bruce, Unmat.....	Tacoma
Kleinlein, Esther, Sci.....	Seattle
Kline, Marjorie, Educ.....	Hyattville, Wyo
Knight, Minnie Edna, Unmat.....	Seattle
Knight, Rebecca S., Educ.....	Seattle
Knighton, Blanche, Bus.....	Omak
Knokey, Walter B., Unmat.....	Seattle
Knoll, Evelyn L., Uncl.....	Morrin, Alta
Knox, Wm Albert, Grad.....	Ferndale
Knox, Elizabeth, Grad.....	Fort Morgan, Colo
Knudson, Gertrude A., Educ.....	Sherwood, ND
Knuths, William E., Grad.....	Spangle
Knuths, Bernice, Grad.....	Seattle
Knutsen, Clarence, Bus.....	Everett
Knutsen, Knute J., Educ.....	Seattle
Knutsen, M Louise, LA.....	Seattle
Kobler, Anna H., Grad.....	Seattle
Koenig, John, Grad.....	Nisqually
Koepke, Carolyn, Grad.....	Seattle
Korter, Irene, Educ.....	Seattle
Kraft, Marjorie G., Grad.....	Seattle
Kraus, Ada Maud, Grad.....	Seattle
Krause, Laura, EducN.....	Gladstone, Ore
Kossebaum, Kare F.....	Seattle
Kretschmar, Luella, Grad.....	Seattle
Kretzinger, Helen M., LA.....	Seattle
Kricheaky, Libbie, Unmat.....	Portland, Ore
Krueger, Mildred M., Grad.....	Madison, SD
Krumm, Hulda E., LA.....	Woodman, Wis
Kuehl, Olga, Educ.....	Seattle
Kugelman, Maude E., LA.....	Seattle
Labit, Pauline A., Sci.....	Galveston, Tex
Laird, C aroline, Unmat.....	Chickasha, Okla
Laird, Helen, Educ.....	Butte, Mont
Lake, Florence E., LA.....	Spokane
Lake, Lucile, LA.....	Spokane
Lambert, Helen, LA.....	Raymond
Lambert, Margaret, Unmat.....	Willapa
Lambrecht, Lillian, LA.....	Butte, Mont
Lamson, S. Elizabeth, Unmat.....	Hurley, DS
Lane, Annes Marks, Unmat.....	Yachats, Ore
Lamoureux, Harvey D W., Grad.....	Tieton
Lane, Glen L., Engr.....	Boyd
Langdon, Bess, LA.....	Clarksfork, Ida
Langre, Orrie, Prov Grad.....	Bellingham
Langin, Edward J., Bus.....	Roslyn
Lappenbusch, Lulu C., Educ.....	Buckley
Lappenbusch, Marie, Educ.....	Buckley
La Reau, Eva Marie, Unmat.....	Helena, Mont
Larse, Leta L., LA.....	Seattle
Larse, Mona, Grad.....	Seattle
Larson, Alma Marie, Educ.....	Norrie, Wis
Larson, Inella Claire, Grad.....	Seattle
Larson, Madeline, Educ.....	Tacoma
Larson, Nettie Rose, Sci.....	Tacoma
Larson, Lars Oscar, LA.....	High Point
Larson, Stella, Sci.....	Medicine Lake, Mont
Larson, Victoria, LA.....	Anaconda, Mont
Lash, Frederick Merrick, Grad.....	Camas
Lassfolk, Hazel Irene, LA.....	Seattle
Lathers, Gladys, Grad.....	Seattle
Laurent, Mrs Florence, LA.....	Yakima
Lauson, Mary Velma, Sci.....	Livingston, Mont
Lauson, Romuald Keith, For.....	Lowell
Lawler, Loretta, Educ.....	Raymond
Lawrence, Lila Mary, Unmat.....	Seattle
Lawson, Ruth Margaret, Grad.....	Blanchard
Lawton, Oliver W., LA.....	Seattle
Laytham, Maurita, LA.....	Blaine
Leach, John Harvey, Educ.....	Lakewood
Leach, Shirley W., Bus.....	Olympia
LeBlank, Ethel M., Educ.....	Goldendale
Leckey, Martha Jane, LA.....	Burwell, Nebr
LeCompte, Maurice, Bus.....	Lynden
Lee, Anna Belle, Unmat.....	Everett
Lee, Anna Marjorie, LA.....	Amber
Lee, Augusta Inez, Educ.....	Enumclaw
Lee, Ella E., Unmat.....	Seattle
Lee, Elsie, Sci.....	Canton, China
Lee, Evelyn R., Bus.....	Ritzville
Lee, Hop Ping, Sci.....	China
Lee, Elizabeth Jenn, LA.....	Enumclaw
Lee, Theopa M., Educ.....	Goldendale
Lee, Yuen Tsuan, Sci.....	China
Lefebvre, Almee, Educ.....	Seattle
Leger, La Verne E., Unmat.....	Shoshone, Ida
Le Goulion, Donald W., Unmat.....	Seattle
Lemon, Harry E., Grad.....	Carnation
Lentz, Katherine, Grad.....	Marietta, Ohio
Leon, Irma, Grad.....	Seattle
Leonard, Arthur Lee, LA.....	Seattle
Leonard, Lillian R., Unmat.....	Walla Walla
Leong, K F Jr, Engr.....	So Vancouver, BC
Leslie, Anna, LA.....	Seattle
Lester, Verna M., LA.....	Miles City, Mont
Levitin, Abe, Engr.....	Seattle
Levitin, Morris, Engr.....	Seattle
Lewis, Wilma, LA.....	Seattle
Libbie, Carolyn M., Unmat.....	Portland, Ore
Libbee, Freda A., Unmat.....	Seattle
Licorenko, Abraham A., Engr.....	Seattle
Livesay, J Leon, LA.....	Seattle
Lighthouse, Henry A., LA.....	Seattle
Likes, Myrton D., Grad.....	Orting
Lilly, Stella A., Grad.....	Tacoma
Lind, Anna Regina, LA.....	Mt. Vernon
Lind, Jenny Marie, Unmat.....	Seattle
Lindsay, Mazie Palmer, Grad.....	Seattle
Lintz, Wilhelmina, Grad.....	St Marys, Ohio
Lippard, Bertha, Unmat.....	Salida, Colo
Liston, Edward John, Grad.....	Seattle
Little, Earle B., Bus.....	Chelan
Livengood, William Joe, LA.....	Seattle
Livingston, Louis S., LA.....	Chehalis
Lloyd, Edna, Unmat.....	Cameron Mills, NY
Lloyd, Katherine Mary, Grad.....	Denver, Colo
Lloyd, Nelson V., Grad.....	Ralston
Lochte, William A., Engr.....	Seattle
Loe, Ralph H., Sci.....	Seattle
Loh, Richard T C, Sci.....	China
Lohse, Louise Blanche, LA.....	Seattle
Long, Agnes, Grad.....	Seattle
Longfelt, Lillian, LA.....	Tacoma
Loomis, Mary Eloise, Grad.....	Oltumino, Ia
Lorch, Rose T, Unmat.....	Seattle
Lothrop, Daniel J., Grad.....	Seattle
Louden, Helen E., Unmat.....	Vancouver, BC
Lough, Samuel Robert, LA.....	Moscow, Ida
Lover, Grover Allen, Educ.....	Snohomish
Lovegren, Levi A., Grad.....	Cherry Grove, Ore
Loving, Eleanor, LA.....	Camp Lewis
Loving, Marianne, LA.....	Camp Lewis
Lowe, Ben F., Grad.....	Tacoma
Lowe, Helen Loretta, Educ.....	Enumclaw
Lowe, Helen Y D, LA.....	Victoria, BC
Loves, Mary Frances, Unmat.....	Tacoma
Lowman, James Guy, Educ.....	Seattle
Lowman, Vivien Guy, Grad.....	Seattle

Luce, Daisey Adeline, Sci.....Seattle
Lumley, Ellsworth, Educ.....Mukilteo
Lundeen, Ellen M. Grad., Forest Lake, Minn
Lusby, Viola J. LA.....Seattle
Lynch, Anna M. Grad.....Butte, Mont
Luthy, Marion Stuart, LA.....Seattle
Lynch, Isabelle R, Grad.....Yakima
Lynch, Patricia G, LA.....Seattle
Lynch, Robert F. Educ.....Boise, Ida
Lynch, Thomas Chas, Grad.....Seattle
Lynch, Veronica, LA.....Butte, Mont
Lyon, Laura A. FA.....Seattle
Lyons, Anne, LA.....Seattle
Lyons, James F, Bus.....Seattle

MacArthur, Beryl, LA.....Seattle
McCaig, Grace, Grad.....Spokane
McCann, Mable Ruth, FA.....Wilma
McCarney, Margaret, Grad.....Seattle
McCarthy, Julia, LA.....Seattle
McCarty, Marguerite, Grad.....Seattle
McClain, Dorothy, FA.....Seattle
McClean, Clarence G, Unmat..Newberg, Ore
McClurg, Mrs Laura S, Unmat.....Seattle
McColley, Charles Byron, Grad.....Puyallup
McConihe, Almee K, Grad.....Seattle
McConihe, Marguerite C, Grad.....Seattle
McConihe, Ruth N, Grad.....Seattle
McCorkle, Flora G, LA.....Seattle
McCue, Bertha E, LA.....Puyallup
McCulloch, Allen James, Phar.....Orting
McCorkill, Minnie V, Grad.....Spokane
McDermott, Mildred Carol, LA.....Pateros
MacDonald, Louise, Grad.....Seattle
MacDonald, Margaret, Unmat.....Seattle
MacDonald, Rosemary, Unmat.....Kent
MacDonald, Vernon C, Educ.....Sedro-Woolley
MacFadon, Channing, Grad.....Everson
McGaughey, Ralph T, Unmat.....Powell
MacFarlane, Lorna E, LA.....Caldwell, Ida
McGibbon, Eileen, LA.....Seattle
McGoldrick, James B, Unmat.....Spokane
McGriff, Mary B, Educ..San Francisco, Cal
McGuire, Grace A, FA.....Seattle
McHenry, Mildred L, Unmat.....Spokane
McIntire, Ezra E, Grad.....Bremerton
McIntosh, Edith A, Educ.....Anoka, Minn
McIntosh, Elizabeth, LA.....Seattle
McIntyre, Harry John, Grad.....Seattle
McKay, Lorraine, Grad.....Seattle
McKee, Clarence T, Bus.....Seattle
McKee, Edna, FA.....Pullman
McKee, Geo M, Grad.....Seattle
McKee, Lynne G, Engr.....Bellingham
McKee, Mary Elizabeth, Grad.....Seattle
McKelvey, Muir, Bus.....Seattle
McKenna, Eulalie, Unmat.....Yakima
McKenzie, Harold Austin, Engr.....Seattle
McKibbin, Wilbur B, Grad.....Colville
McKinney, Edith, Grad..Coeur D'Alene, Ida
MacKinnon, Donald, Bus.....Seattle
MacKinnon, Geo W, Grad.....Seattle
MacKinnon, Kay S, LA.....Seattle
McLaughlin, Helen Y, Educ.....Seattle
McLain, Ada Esco, Grad.....Spokane
McLean, Mae Zela, LA.....Seattle
McLean, Margery, LA.....Walla Walla
McLean, Martin, LA.....Seattle
McLeod, Mira, Sci.....Chehalis
McMahon, Rene G, Educ.....Puyallup
McManus, Lee Riley, Sci.....Cashmere
McMeekin, Florence A, LA.....Seattle
McMillan, Isabel Gray, LA..Vancouver, BC
McPhee, Sophia, Grad.....Seattle
McPherson, Dorothy Vest, Grad.....Seattle
McQuarrie, Clare, LA.....Vancouver, BC
McQueen, Roseanna, LA.....Tacoma
McRae, Florence, LA.....Seattle
McSorley, M Lillian, LA.....Delevan, Wis
Maekstad, Emily B, Unmat..Randall, Iowa
Macomber, F Glenn, Educ.....Cheney

Macomber, Leone F, Educ.....Cheney
Madden, Amy I, Bus.....Butte, Mont
Magnuson, Edith, Unmat.....Tacoma
Magee, J Homer, LA.....Seattle
Maginnis, William J, Bus.....Seattle
Mahaffey, Audley F, Grad.....Seattle
Hahaffy, Mary E, Unmat..Vancouver, BC
Mahrt, Roy A, Grad.....Reardon
Mallery, Joseph Arthur, Law.....Seattle
Maltby, Jeannette E, Grad.....Spokane
Mann, Margaret L, Grad..McMinnville, Ore
Manning, Edward B, Bus.....Everett
Mansfield, Allan H, LA.....Everett
Mansur, Howard, Engr.....Ellensburg
Manthey, Isabel W, Sci.....Seattle
Mapes, William, LA.....White Salmon
Mar, Shu Tone Reginald, LA.....Seattle
Marberg, Vivian Marie, LA.....Everett
Marchant, Ernest, LA.....Seattle
Mardon, Hazel, LA.....Seattle
Mark, Esther, LA.....Pendleton
Mark, Lee E, Unmat.....Seattle
Marlatt, John Joseph, Sci.....Spokane
Marsh, Harold Burton, LA.....Seattle
Marston, C May, Grad.....Seattle
Martin, Agnes Fern, LA.....Steedman, Okla
Martin, George Warren.....Seattle
Martin, Glenn C, LA.....Spokane
Martin, Lester L, Grad.....Brookings, SD
Martin, Alice Louise, Unmat.....Seattle
Martin, Reba C, LA.....Steedman, Okla
Martin, Trula Evelyn, FA.....Seattle
Mason, Lela E, Grad.....Spokane
Mathae, Marie, Unmat.....Medford
Mather, Archibald J, Unmat.....Seattle
Mather, Greta Ellen, Grad..aVancouver, BC
Matheson, Jennie Rebecca, LA.....Seattle
Mathis, Madge, Grad.....Seattle
Matson, Ida M, Grad.....Seattle
Matson, Roy, Sci.....Seattle
Mathews, Agnes Scott, Grad.....Tacoma
Matthews, Alfred W, Grad.....Tacoma
Matthews, Gwladys, LA.....Seattle
Matthewson, Margaret J, LA.....Seattle
Mattox, Clifford J, Educ.....Ellensburg
Maxam, Elsie, LA.....Tacoma
Maughan, Wilbur Maxey, Bus.....Seattle
Maxson, Evelyn J, Grad.....Coupeville
Maxwell, May Minnie, Educ.....Ilahave
May, Mabel M, Educ.....Seattle
Maydahl, Bergete, Sci.....Spokane
Mayer, Alexander, LA.....Seattle
Mayhew, Isabella, Unmat..White Salmon
Maylor, Marc L, Bus.....Seattle
Meaker, Marian Esther, Grad.....Seattle
Meacham, Olive, LA.....Berkeley, Calif
Meckstroth, Carl Wm, Bus.....Seattle
Meeks, Anastasia, LA.....Seattle
Mehl, Constance, Bus.....Seattle
Meldinger, William, Gram.....College Place
Melnecke, Bertha E, Educ..Idaho Falls, Ida
Melnecke, Cora Anna, LA..Idaho Falls, Ida
Melsner, Hilda A, LA.....Ellensburg
Melsneat, Kenneth, Bus.....Seattle
Mennell, Estella Peabody, Sci.....Seattle
Merchant, Mabel E, LA.....Mt Vernon
Merrifield, Florine V, Grad.....Kent
Merrill, Clifford D, Grad.....Kimberly, Ida
Merrill, Ora Fulton, Unmat.....Jerome, Ida
Meservey, Clare T, Unmat..St Paul, Minn
Messenger, Wm P, Grad.....Seattle
Messer, Elizabeth B, Sci.....Seattle
Metcalfe, Gordon, Edward, LA.....Seattle
Mettler, Gordon, LA.....Seattle
Meyer, Edward Albert, Bus.....Edmonds
Meyer, Flora, Grad.....Oakland, Cal
Meyer, Louise Henrietta, LA.....Tacoma
Meyer, Rita, Grad.....Seattle
Meyer, May, Grad.....Seattle
Michelson, Edith S, Grad.....Seattle
Michelson, Helen A, LA.....Kellogg, Ida
Michener, Dwight W, Unmat..Newberg, Ore

Michie, Frances Ethel, LA.....	Seattle
Michelson, Paul W, Bus.....	Camas
Middlekrauff, Lorene Y, Educ.....	Yakima
Mijares, Ricardo, Uncl.....	Philippines
Miklave, August, Sci.....	Kirkland
Millam, Carey Harris, Educ.....	Poulsbo
Miles, Alice, Grad.....	Medina
Milkwick, Viola, Educ.....	Anaconda, Mont
Miller, Ira Thomas, Educ.....	Seattle
Miller, Jane Hill, Grad.....	Chickasha, Okla
Miller, John E, LA.....	Seattle
Miller, Lecll C, Sci.....	Seattle
Miller, Marian Emma, LA.....	Spokane
Miller, Maud, Grad.....	Medford, Ore
Miller, Mervyn Bernard, Grad.....	Seattle
Miller, Mildred V, Unmat.....	Seattle
Miller, Raymond P, Educ, Priest River, Ida	
Miller, Vera Winona, Grad.....	Seattle
Miller, Vivian, LA.....	Vancouver
Millican, Alfred Clay, Grad.....	Marysville
Millican, Harold Alexander, Educ.....	Yukima
Milliman, Leonard G, LA.....	Seattle
Million, Carroll, Bus.....	Seattle
Mills, Grace Riggs, Educ.....	Seattle
Milton, Nellie Sweeney, LA.....	Darrington
Minaker, Cecil Weldon, Bus.....	Seattle
Minor, Eva Lee, Sci.....	Seattle
Minler, Helen H, Grad.....	Oakland, Neb
Mink, Gladys, LA.....	Spokane
Minnick, Nelle, Unmat.....	Bellingham
Minor, George Edward, LA.....	Seattle
Minter, Donald A, Bus.....	Tacoma
Mitchell, Caroline, FA.....	Seattle
Mitchell, Catharine, FA.....	Seattle
Mitchell, Dorothy, Sci.....	Seattle
Mitchell, Mary Sidney, LA.....	Wheeler
Mohammad, Wall, LA.....	Sawahl, India
Mohr, Jennie, LA.....	Seattle
Mohrman, Hazel Anna, Unmat, Salda, Colo	
Mollestad, Marie, LA.....	Seattle
Monroe, George Henry, daGr.....	Findale
Montague, Frances, LA.....	Everett
Montgomery, Samuel, LA.....	Seattle
Monty, George Rand, Bus.....	Seattle
Moore, Ruth, Unmat.....	Seattle
Moore, Charles A, Grad.....	Sumas
Moore, Felix E, Grad.....	Seattle
Moore, John H, Educ.....	Washongal
Moore, Mabel M, Educ.....	Washongal
Moran, Christina L, LA.....	Seattle
Morford, S Harold, Law.....	Seattle
Morgan, Dorothy Troy, LA.....	Seattle
Morgan, Maye K, Unmat, Kansas City, Mo	
Morgan, Miles Evan, Grad.....	Seattle
Morikawa, Kikaku, Grad.....	Seattle
Morrison, Agnes I, Unmat.....	Bellingham
Morrison, Alene, FA.....	Seattle
Morrison, Anna Kathryn, LA.....	Seattle
Morrison, Gertrude, Sci.....	Phoenix, Ariz
Morrow, Anne, Unmat, Huntington Pk, Cal	
Morrow, Fidelia P, LA.....	Red Lodge, Mont
Moseley, Evalyn A, Phar.....	Seattle
Mosher, Ida A, LA.....	Spokane
Moss, Ethel Schrock, Grad.....	Okanogan
Moss, Louise Beach, Grad.....	Cheshire, Conn
Moulton, Helen R, LA.....	Seattle
Mouthrop, Lena V, Grad.....	Walla Walla
Mount, James N, Grad.....	Seattle
Moy, Lola Ann, FA.....	Seattle
Mueller, Denis J, Unmat.....	Seattle
Muir, James Creighton, Grad.....	Wilbur
Mullen, Loda Helen, Educ.....	Tacoma
Mullen, May E, Educ.....	Seattle
Mundie, Alice E, LA.....	Parma, Ida
Munro, Kathleen Anna, Grad.....	Seattle
Murland, Helen Alma, Grad.....	Tacoma
Murphy, Margaret Katherine, Educ.....	Seattle
Murray, Hazel K, Grad.....	Clallam Bay
Murray, Hazel S, Educ.....	Seattle
Murray, Janes Frances, Educ.....	Pt Blakeley
Murray, Marion V, Unmat, Vancouver, BC	
Murray, Pearl Lewis, LA.....	Seattle
Mutch, Ida B, Grad.....	Ellensburg
Myer, Edna M, Grad.....	Port Angeles
Myer, Thelma Cecelia, Grad.....	Seattle
Myers, Carlyle G, Sci.....	Seattle
Myers, Evelyn, Educ.....	Seattle
Nachant, Virginia Louise, LA.....	Seattle
Nadeau, Flora Louise, Grad.....	Seattle
Nagley, Lois, Educ.....	Seattle
Nash, Lole, LA.....	Brewster
Neal, Russell L, LA.....	Seattle
Neale, Mary Ellen.....	Seattle
Nebergall, Elsie B, LA.....	Spokane
Neely, C Bertis, Grad.....	Seattle
Neely, Joanna, Unmat.....	Bozeman, Mont
Neldert, Louis J, Grad.....	Safe, Mont
Nelkirk, Clara E, LA.....	Seattle
Nelson, Irene M, Grad.....	Kalispell, Mont
Nelswender, Jesse A, Educ.....	Hobart
Nelson, Alma, Grad.....	Montesano
Nelson, Clara H, Grad, Coeur d'Alene, Ida	
Nelson, Edward Lloyd, Bus.....	Seattle
Nelson, Erma E, Grad.....	Seattle
Nelson, Esther Olive, Grad.....	Mt Vernon
Nelson, Evelyn I, LA.....	Seattle
Nelson, Florence M, LA.....	Seattle
Nelson, Florence Z, Unmat, Greenville, Mich	
Nelson, Frances Marie, LA.....	Seattle
Nelson, Helen Elfreda, LA.....	Seattle
Nelson, Hulda, Sci.....	Lynden
Nelson, Olga A, LA.....	Wenatchee
Nemitz, Bertha, FA.....	Snobomish
Ness, Sever Walter, Educ.....	Yakima
Nettleton, Lulle, LA.....	Seattle
Neuert, Armon, LA.....	Galvin
Newell, Erlina, Grad.....	Seattle
Newman, Eunice, Educ.....	Stella, Mo
Newman, Mabel E, LA.....	Seattle
Newman, Marguerite Lillian, LA, Boise, Ida	
Newton, Florence E, LA.....	Seattle
Newton, Grace Polley, Educ.....	Everett
Neylon, Mary Teresa, LA.....	Olympia
Nelderjohn, Anna Marie, LA, California, Mo	
Niesen, Frances, LA.....	Tacoma
Niess, Ralph M, Engr.....	Seattle
Nimi, Joe Y, Phar.....	Vancouver, BC
Nims, Helen Brewster, Sci.....	Seattle
Nishimoto, James Y, Bus.....	Seattle
Nishinoiri, John I, Grad.....	Yawata, Japan
Nix, Martha J, Grad.....	Dresden, Tenn
Noll, Mark D, Grad.....	Seattle
Nordquist, Carlos Gustave, Law.....	Seattle
Nordstrom, Lillian C, Unmat.....	Seattle
Norell, Verna E, FA.....	Seattle
Noren, Gladys, FA.....	Seattle
Norman, Lilla C, LA.....	Seattle
Norris, Carl Love, LA.....	Seattle
North, Stella M, Educ.....	Kennewick
Northup, Charlotte E, Grad, McMinnville, Or	
Norton, Frances Ramona, LA.....	Yakima
Norton, Grace C, Grad.....	Seattle
Nowatzki, Claire H, LA, Iron Mountain, Mich	
Oakley, Mary E, Grad.....	Seattle
O'Bar, Blanche, Grad.....	Charleston, Ark
Oberholser, Ethel L, Sci.....	Mansfield, Mo
O'Brien, Mary A, Educ.....	Seattle
O'Byrne, Alice S, Sci.....	Elsinore, Cal
Olde, M Frank, LA.....	Bolleuve
O'Hara, William J, Unmat.....	Fargo, ND
Ohlin, Augusta, LA.....	Tacoma
Ohlin, Elin, LA.....	Graham
Olds, Dolph F, Grad.....	Seattle
O'Leary, Kathleen L, FA, Great Falls, Mont	
Oleson, Mabel H, LA.....	Seattle
Olney, Bertha R, Educ.....	Seattle
Olsen, Frederick Clayton, Law.....	Zillah
Olson, Irene, LA.....	Seattle
Olsen, Leah Ingeborg, LA.....	Tacoma
Olseh, Myrtle G, LA.....	Renton
Olson, Doris, LA.....	Tacoma

Olson, Florence C, FA.....Bothell
 Olson, Genevieve, Grad.....Raymond
 Olson, Gladys J, FA.....Anuburn
 Olson, Lillian Eleanor, Grad.....Mt Vernon
 Olson, Olga Marie, LA.....Pt Blakeley
 O'Neil, Pauline, LA.....Sacramento, Cal
 Opstad, Edwin R, Educ.....Blaine
 Oravetz, Mary, Phar.....Auburn
 Ormbeek, Gilbert, Bus.....Woodinville
 Ormsby, George, Grad.....Tonasket
 Orndoff, Nora Lee, Unmat.....Graysville, Pa
 Orton, Helen C, LA.....Aberdeen
 Osborn, Glenn J, Educ.....Washougal
 Osborn, John Lynn, Unmat.....Corvallis, Ore
 Osgood, Robert S, Grad.....Rolling Bay
 Osman, Gladys W, Grad.....San Antonio, Tex
 Ostrand, Hildur, Grad.....Seattle
 Ottosen, Peter H, Unmat.....Ft Dodge, Ia
 Owens, Ethel M, LA.....Kennewick

Packard, Spencer Edmund, LA.....Seattle
 Packenham, Howard E, Educ.....Boise, Ida
 Padelford, N J, Grad.....Newton Center, Mass
 Paige, Caroline I, Grad.....Portland, Ore
 Paine, Carol M, Grad.....Boise, Ida
 Pair, Paul M, Grad.....Okanogan
 Pair, Pauline E, Grad.....Okanogan
 Pallett, Anna Grace, Grad.....Portland, Ore
 Palmer, Franklin Sawyer, Grad.....Seattle
 Palmer, J Lee, LA.....Spokane
 Palmer, E Lloyd, Bus.....Edmonds
 Palmer, Martha, LA.....Spokane
 Paper, Frances Claire, Grad.....Roberts, Wis
 Parker, Agnes F, Educ.....Seattle
 Parker, Mary Alice, Unmat.....Seattle
 Parkes, Jessie F B, Sci.....Vancouver, BC
 Parkin, Margaret I, LA.....Seattle
 Parson, Maude, Grad.....Seattle
 Parsons, E T, Grad.....Seattle
 Pascual, Eduardo F, Educ.....Philippines
 Patch, Esther A L, LA.....Beach
 Patrick, Gertrude Cairns, Unmat.....Seattle
 Patrick, Harry, LA.....Seattle
 Patrick, James Garfield, Grad.....Spokane
 Patrick, Robert, Grad.....Seattle
 Patterson, Bertha P, Sci.....Seattle
 Patty, Mrs Virginia, Sci.....Seattle
 Payne, Virgil L, LA.....Amoset, Mo
 Peacock, Ethelind, Unmat.....Spokane
 Pearis, Edna Inez, Unmat.....Ketchikan, Alas
 Pearson, Edna J, Unmat.....Portland, Ore
 Pearson, Eric Holger, Engr.....Seattle
 Pearson, Mrs Mabel D, LA.....Seattle
 Pease, Eva L, Sci.....Seattle
 Pease, Robert Odell, LA.....Seattle
 Pedersen, Thora, Educ.....Seattle
 Peebles, Howard Alden, Grad.....Walla Walla
 Peffley, Harriette, Unmat.....Seattle
 Penzington, Lois, Sci.....Seattle
 Penzig, Freda, Unmat.....Yamhill, Ore
 Peplow, Marion, Grad.....Seattle
 Percival, Dorothy L, Educ.....Seattle
 Perkins, Dorris Ellen, Grad.....Seattle
 Perkins, Georgia Y, Grad.....Seattle
 Perkins, Theda D, LA.....Seattle
 Perry, Mary Agnes, Grad.....Everson
 Peters, Frances B, Educ.....Bell, Mont
 Peterson, Abbie, LA.....Seattle
 Peterson, Claire Anabel, FA.....Seattle
 Peterson, Edith, LA.....Emmett, Ida
 Peterson, Elizabeth C, LA.....Seattle
 Peterson, Florence E, LA.....Tacoma
 Peterson, Ida G, Educ.....Marinette, Wis
 Peterson, Jennie, Grad.....Seattle
 Peterson, Lot C, Sci.....Renton
 Peterson, Marie L, Educ.....Ollala
 Peterson, Ole Theodore, Grad.....Brewster
 Peterson, Clara M, Educ.....Seattle
 Pettibone, Florence W, Educ.....Seattle
 Pettit, Henry M, Bus.....Seattle
 Phillips, Gladys Urana, Grad.....Seattle

Phillips, Constance, FA.....Seattle
 Phillips, Olive Elizabeth, LA.....Seattle
 Pickett, Florence E, Sci.....Seattle
 Pidduck, Marjorie Katherine, FA.....Seattle
 Pletsch, L C, Grad.....Bozeman, Mont
 Pillard, Ray Amilk, LA.....Seattle
 Pinckney, Paul W, Educ.....Maple Falls
 Pitt, Mildred E, Grad.....Seattle
 Pittendrigh, Dora, Educ.....New Westm'r, BC
 Pittman, Wm H, Law.....Hoquiam
 Pitzer, Carl A, Grad.....Seattle
 Platt, Imogene B, Grad.....Seattle
 Playter, Charles Gray.....Seattle
 Pollard, Anne A, Unmat.....Gd Rapids, Mich
 Pollom, Arta, LA.....Chehalis
 Poole, Edw G, Grad.....Seattle
 Pool, William F, Grad.....Joyce
 Porter, Dorothy Isabel, LA.....Wenatchee
 Porter, Mary H, Sci.....Remington, Ind
 Potter, Henry G, Sci.....Seattle
 Powers, Anna M, Grad.....Seattle
 Powers, Marie K, Grad.....Seattle
 Poy, William Jue, Sci.....Portland, Ore
 Pratt, Hiram E, Grad.....Eatonville
 Pratt, L Lawrence, Grad.....Forest Grove, Ore
 Prescott, Nellis, LA.....Spokane
 Pretlow, Sarah I, LA.....Lewistown, Mont
 Prevedell, Edith, LA.....Lynden
 Price, Dessie A Hall, Grad.....Seattle
 Price, Josephine, FA.....Seattle
 Price, Lella V, Grad.....Tacoma
 Prideaux, Arthur J, Grad.....Portland, Ore
 Pritchard, Ernest H, Unmat.....Bryn Mawr
 Pruner, Clinton Evans, Educ.....Blaine
 Puette, Raymond V, Educ.....Hickory, NC
 Pugh, Anne C, Grad.....Seattle
 Pugsley, Harriet M, Grad.....Seattle
 Purdie, J J G, Unmat.....Vancouver, BC
 Putnam, Gertrude E, LA.....Seattle
 Putman, Ivan J, LA.....Sprague

Quam, Gertrude, Educ.....Kent
 Quam, Suzie, LA.....Kent
 Quarels, Ruth Ellen, Grad.....Pullman
 Quigley, Helen L, Educ.....Great Falls, Mont
 Quigley, Mary J, Sci.....Seattle
 Quinn, Ellen G, LA.....Seattle

Raasch, Leonard O, Grad.....Kent
 Rabb, Vida Bernice, Unmat.....Seattle
 Radovich, Victor, Unmat.....Roslyn
 Rafn, Harold, Grad.....Puyallup
 Raitt, John A, Grad.....Paso Robles, Cal
 Ramage, Floral, LA.....Sharon
 Ramsay, Ruth R, Sci.....Humpkuls
 Ramstad, Arthur, Unmat.....Everett
 Randall, Arthur, Bus.....Seattle
 Rankin, Leland A, Educ.....Bellingham
 Ranney, Maude R, Unmat.....Chicago, Ill
 Rasmussen, Emma M, LA.....Seattle
 Rasmussen, Faye Joan, FA.....Tacoma
 Rasmussen, George Vincent, Grad.....Seattle
 Rathbun, Anna Louise, Educ.....Seattle
 Raymond, Lydia, LA.....Spokane
 Rector, Lewis Edwin, LA.....Seattle
 Reddick, Esther, LA.....Bellingham
 Redford, Walter, Grad.....Seattle
 Redpath, Lindley, For.....Seattle
 Reed, Clyde L, Grad.....Retail
 Reed, Elizabeth Margaret, Grad.....Seattle
 Reed, Genevieve E M, LA.....Redmond
 Reed, Jennie M, Grad.....Tacoma
 Reed, Jessica, Grad.....Portland, Ore
 Reed, Mabel, LA.....Spokane
 Reed, Mary Alice, Unmat.....Estacada, Ore
 Reeves, Joseph Austin, Grad.....Mt Vernon
 Reiling, Arnold, Law.....Snohomish
 Rehbock, Donald G, Sci.....Seattle
 Reiter, Bernard, Law.....Seattle
 Remley, Agnes, Unmat.....Seattle

Rennick, Irma, Educ.....	Wayne, Nebr
Rennick, Lynette, Bus.....	Wayne, Nebr
Renwick, Edw C, LA.....	Billings, Mont
Revelle, Helen J, LA.....	Seattle
Reynell, Margaret, LA.....	Seattle
Reynolds, Dorothy, Grad.Stev.ensville	Mont
Rhodes, Josephine V, Educ.....	Seattle
Rice, Jessie L, Educ.....	Seattle
Rice, Mary B, Grad.....	Prosser
Rice, Margaret D, Grad.....	Prosser
Richards, Dolores M, rGad. Mineral Pt, Wis	
Richards, John S, Bus.....	Spokane
Richardson, Elizabeth Cook, Grad. Yakima	
Richmond, Mary, LA.....	Berkeley, Cal
Riste, Victor E, LA.....	Seattle
Ritchie, Elisabeth, LA.....	Seattle
Roache, Olive V, FA.....	Seattle
Roark, Anna, LA.....	Victor, Mont
Robarge, Edmere A, Educ.....	Buffalo, Minn
Robb, Marion, LA.....	Seattle
Robbins, Nadine Irene, LA.....	Seattle
Robbins, Ruth A, FA.....	Seattle
Robe, Cecil F, Grad.....	Davenport
Roberts, Bess, LA.....	Hartline
Roberts, Ethel, Grad.....	Seattle
Roberts, Ina Streets, LA.....	Butte, Mont
Roberts, Jessie C, LA.....	Victoria, BC
Roberts, Kate, LA.....	Hartline
Roberts, Mary C, Unmat.....	Yakima
Robertson, Frank M, Sci.....	Zillah
Robinson, Alice L, Educ.Edmonton, Canada	
Robinson, Bessie M, Grad.....	Portland, Ore
Robinson, John W, Sci.....	Ellensburg
Robinson, Ruth J, LA.....	Seattle
Robinson, Vera Riddell, Educ.....	Sumner
Robison, B B, LA.....	Ceres
Rock, Clifton D, LA.....	Congar
Roemer, Albert John, Grad.....	Seattle
Rohowitz, Gerald M, LA.....	Seattle
Rohowatts, Edith Katherine, LA.....	Seattle
Rohrer, Esther J, Unmat.....	Hannibal, Mo
Roney, Kate Trevor, Grad.....	Medina
Rood, Alice Ekern, Unmat.....	Madison, Wis
Roop, Milford Wm, Grad.....	Benton City
Rose, Frances D, LA.....	Fairmont, W Va
Rosen, Johanna, Sci.....	Monroe
Rosen, Martha L, Sci.....	Monroe
Rosenquist, Oscar W, Educ.....	Bow
Rosette, Francisco, Sci.....	Philippines
Ross, Ada Carolyn, Grad.....	Salem, Ore
Ross, Doreen, Bus.....	Seattle
Ross, George Wm, Grad.....	Spokane
Ross, Margaret, LA.....	Seattle
Rousch, Minnie A, Edu.....	Palestine, Ill
Rosseau, Imogene, Educ.Wisc Rapids, Wisc	
Rowlee, Frank M, Grad.....	Seahurst
Royster, Helen, LA.....	Seattle
Rude, Hazel, Educ.....	Seattle
Rudolph, Evangeline, Grad.....	Seattle
Rund, Gladys E, Grad.....	Hawley, Minn
Russell, Florence M, Grad.....	Medina
Russell, Lella M, Educ.....	Luther, Mont
Russell, Marion J, Grad.....	Hardin, Mont
Rutherford, George, Educ.....	Garfield
Ruzicki, Henry J, Grad.....	Lacey
Ryan, Frank E, Unmat.....	Seattle
Sagen, Ingeborg, LA.....	E Stanwood
Salazar, Felino, Sci.....	Seattle
Samuelson, Byron A, Grad.....	Pt Roberts
Samuelson, Alpha, FA.....	Monroe
Sandall, Inez Fac, Educ.....	Spokane
Sanden, Arthur G, Grad.....	Bellingham
Sandgren, Esther, Educ.....	Seattle
Sander, Lucile, Unmat.....	Tacoma
Sandusky, Lawrence, Grad.....	Spokane
Sangesand, Ella Myrtle, Educ.....	Tacoma
Santee, Eva, Grad.....	Vancouver
Santee, Helen C, Unmat.....	Seattle
Saunders, Mary, Grad.....	Wenatchee
Sato, Teizo, LA.....	Japan
Satre, Alice, Educ.....	E Stanwood
Saunderson, Bertha R, FA.....	Keosauqua, Ia
Savage, Anthony, Law.....	Seattle
Sawyer, Valza, LA.....	Tacoma
Sbedico, Ida J, FA.....	Seattle
Scamahorn, Vista, Educ.....	Spokane
Seanson, Virginia Anna, LA.....	Tacoma
Schaffer, Norwood, Sci.....	Seattle
Schelling, Agnes L, LA.....	Spokane
Schlippln, Agnes, LA.....	Seattle
Schlauch, Emmaline, LA.....	Marcus
Schlauch, Gertrude, LA.....	Marcus
Schleler, Louis M, Grad.....	Opportunity
Schlierholz, Tillie, Grad.....	Seattle
Schlossstein, Clifford, LA.....	Yakima
Schmld, Calvin F, Grad.....	Seattle
Schmidt, Cecilia H, LA.....	Spokane
Schoenfeld, Berman, Jr, LA.....	Seattle
Schofield, Mary Gwendolyn, LA.....	Seattle
Schrock, Doris Nevin, Grad.....	Okanogan
Schrock, Mary, Sci.....	Seattle
Schubert, Helen, LA.....	Seattle
Schulstad, Mildred L, Grad..Reynolds, ND	
Schwarz, Ellen M, LA.....	Snohomish
Schweer, Georgia, LA.....	Hot Springs, Ark
Scott, Agnes R, Bus.....	Okanogan
Scott, Gertrude, Unmat.....	Bellingham
Scott, Hilda V, LA.....	Seattle
Scott, Marjorie, Sci.....	Seattle
Scott, T May, Grad.....	Mossyrock
Scott, Violet, Grad.....	Seattle
Scrimsher, Clifford A, FA.....	Bellingham
Sedgwick, Bessie, Unmat.....	Everett
Seldenfeld, Morton A, Phar.....	Seattle
Sell, Myrtle May, Educ.....	Seattle
Semple, Julia P, Educ.....	Aberdeen
Settem, Clara Olive, Grad.....	Astoria, Ore
Seward, Marguerite, Grad..Kansas City, Mo	
Sey, Martha Coral, Sci.....	Douglas, Alaska
Seyler, Ernestine, Educ..Pt Arthur, Canada	
Seymour, Keth M, Educ.....	Ellensburg
Shafer, Lulu, Educ.....	Seattle
Shafer, Lloyd Nelson, Grad.....	Seattle
Shah, Aurang, Sci.....	Seattle
Shannon, Elizabeth, LA.....	Seattle
Shannon, M Emmeline, LA.....	Seattle
Shannon, James F, Grad.....	Seattle
Shannon, Sara Maryott, LA.....	Seattle
Shannon, Wm Andrew, LA.....	Opportunity
Sharnbroich, Mildred, Educ.....	Port Angeles
Sharp, Grace, Unmat.....	Kent
Sharp, Mary Corts, Grad.....	Seattle
Shaughnessy, Albert E, Engr.....	Auburn
Shaw, Anna Belle, Grad.....	Seattle
Shaw, Mlachen Slang, Grad.....	China
Shaw, Reine, Unmat.....	Seattle
Shea, Thomas F, Grad.....	Corvallis, Ore
Shekels, Hazel, Unmat.....	Seattle
Sheldon, Dorothy Edith, LA.....	Parma, Idaho
Shelton, Lucy M, Grad.....	Seattle
Shenkle, Irene Blanche, LA.....	Collins, Iowa
Sheridan, Helen Christine, LA.....	Seattle
Sheridan, Mary Agnes, FA.....	Bend, Ore
Sherman, Miriam, Educ.....	Bellingham
Shern, Hilma M, LA.....	Seattle
Sherrer, Helen M, Sci.....	Seattle
Sherrick, Johnson, Grad.....	Seattle
Sherwood, Winifred, Grad.....	Duluth, Minn
Schlichnobe, Sanzo, Grad.....	Japan
Shidler, Edwin Williamson, Grad.....	Seattle
Shidler, William Lawrence, Grad.....	Seattle
Shields, Josephine E, LA.....	Seattle
Shigelchi, Fushimi, Grad.....	Kobe, Japan
Shoret, Lamont J, FA.....	Seattle
Shigemura, Chieko, Bus.....	Seattle
Shigwalter, Lillian, Unmat.Youngstown, Ohio	
Shultz, Cella Barbara, LA.....	Cosmopolis
Sickels, Alice Littlequist, Grad.....	Seattle
Sielk, William Henry, Grad.....	Auburn
Stevens, Esthers Elsaye, Educ..Marion, Kan	
Sill, Myrtle May, Educ.....	Seattle
Silvers, Josephine, Grad.....	Mount Vernon

Simmons, Edna, LA.....	Milton	Snyder, Marjory, Grad.....	Seattle
Simpson, Lois Neel, Educ....	Bridger, Mont	Snyder, Ruth Barbara, LA....	Stockton, Cal
Simpson, Lurline V, Grad.....	Seattle	Soller, Telesforo G, Educ.....	Philippines
Simpson, Mabel A, LA.....	Portland, Ore	Somers, Sara, LA.....	Seattle
Simon, Jerome, Grad.....	Seattle	Soper, Edith, Unmat.....	Tacoma
Sister Albertina, Uncl.....	Everett	Sorensen, Esther, LA.....	Seattle
Sister Mary Alexander, LA.....	Seattle	Sorensen, Harry D, Grad.....	Charleston
Sister Mary Alicia, LA.....	Seattle	Southern, Rolla, Unmat.....	Clifton, Mo
Sister M Ambrosin, LA.....	Tacoma	Southward, Martha, Sci.....	Walla Walla
Sister Elizabeth Clare, Educ....	Spokane	Speer, Ernest DeWitt, Grad.....	Goldbar
Sister Mary Antonella, Unmat....	Seattle	Speer, Pearl S, Grad.....	Goldbar
Sister Mary Aquin, FA.....	Tacoma	Sperlin, Grace S, Grad.....	Rolling Bay
Sister Mary Austin, Educ.....	Seattle	Sperlin, Otla Bedney, Grad.....	Rolling Bay
Sister Mary Benlids, Educ.....	Oswego, Ore	Sprague, Grace Richmond, LA....	Colville
Sister M Clementine, Educ.....	Seattle	Sprague, Harry L, Bus.....	Colville
Sister M Clementia, AL.....	Seattle	Springer, Eleanor, Sci.....	Seattle
Sister Mary de Paul, Unmat.....	Seattle	Stalker, Guy H, Educ.....	Grace, Ida
Sister Mary Dolores, LA.....	Tacoma	Standeford, William Grad.....	Burke, Ida
Sister Mary Dominic, LA.....	Tacoma	Stanford, Beryl Maud, Educ.....	Nampa, Ida
Sister Mary Edwardine, LA.....	Tacoma	Stanley, Emery, Raymond, For....	Seattle
Sister Mary Eleonora, Educ.....	Seattle	Stanley, Floyd Wright, LA.....	Seattle
Sister Esther Mary, Educ.....	Seattle	Stansbery, Douglas Collin, Bus....	Seattle
Sister Mary Floretta, LA.....	Seattle	Stapleton, Margaret L, Grad.....	Bellingham
Sister M Frances Clare.....	Seattle	Starr, Geraldine, LA.....	Seattle
Sister Mary Gabriel, Unmat.....	Seattle	Steele, Frances M, LA.....	Wrangell, Alaska
Sister M Generosa Livatino, Unmat.	Seattle	Steele, Kathryn J, Grad.....	Cedar Rapids, Ia
Sister Mary Hyacinth, Educ.....	Seattle	Steele, Susan E, Educ.....	Sedro-Woolley
Sister Mary Joan, Educ.....	Seattle	Steele, Susie F, Grad.....	Seattle
Sister Mary Joseph, FA.....	Tacoma	Steelman, Deborah, Grad.....	Salt Lake City,
Sister Mary Josephine, LA.....	Tacoma	Steelman, Elizabeth, LA.....	Seattle
Sister Mary Louise, LA.....	Tacoma	Steeves, Blanchard F, Grad.....	Salmon Arms, BC
Sister Mary Lourina, LA.....	Tacoma	Steger, Florentine, LA.....	Walla Walla
Sister Mary Margaret of St D, Educ.	Seattle	Stenberg, Betsy P, LA.....	Bellingham
Sister Mary Margaret, FA.....	Tacoma	Stephens, Inga A, Grad.....	Auburn
Sister Mary Michael, FA.....	Tacoma	Stephenson, Mildred, LA.....	Seattle
Sister Mary Patrick, Grad.....	Seattle	Stephenson, Ruth, LA.....	Seattle
Sister Mary Paul Boehn, Unmat....	Seattle	Sterling, Adah Scudder, LA.....	Newcastle
Sister Miriam Anna, Educ.....	Seattle	Sterrett, Nellie B, LA.....	Seattle
Sister M Rose de Lima, Educ.....	Seattle	Stevenson, Frederick A, Unmat....	England
Sister M Rosena, FA.....	Tacoma	Stevenson, Robert John, Grad.....	Seattle
Sister M Theresa of the Cross, Grad	Portland, Ore	Stewart, Bonnie Holladay, Bus....	Seattle
Sister Veronica of Milan, LA.....	Seattle	Stewart, Edgar I, Grad.....	Granite Falls
Sjaastad, Anna O, Educ.....	Tagus, ND	Stewart, Emma Jo, Grad.....	Portland, Ore
Skagerberg, Della V, Educ.....	Seattle	Stewart, Richard H, LA.....	New York City
Skartvedt, Agnes, Grad.....	Port Blakely	Stillman, Arthur B, Bus.....	Eugene, Ore
Skeen, Roy L, Grad.....	Ione, Ore	Stillwell, Edward Matthewson, Grad.	Seattle
Skeen, Ruby R, Grad.....	Colfax	Stites, Lillian, Unmat.....	Reardon
Skibness, Marie, Educ.....	Tacoma	Stith, Kathryn, LA.....	Seattle
Skidmore, Samuel Alexander, Bus....	Tacoma	Stoecker, Mamie, Unmat.....	Seattle
Skiff, Hazel, Grad.....	Elgin, Ore	Stokesberry, Walter W, Unmat.	Post Falls, Id
Slater, Verla M, Grad.....	Ferndale	Stixrud, Thora Louise, Grad.....	Seattle
Slaughter, Walter D, Grad.....	Spokane	Stoll, Pauline, Educ.....	Sheffield, Ia
Slavin, J, Sci.....	Seattle	Stone, Ethel Viola, Educ.....	Thornton
Smalley, Thomas Edwin, LA.....	Roundup, Mt	Stone, Hazel E, Grad.....	Thornton
Smith, Alverna, FA.....	Seattle	Stone, Helen Blanche, LA.....	Cosmopolis
Smith, Bertha May, Grad.....	Centralla	Stone, Howard C, Engr.....	Seattle
Smith, Aileen Mary, LA.....	Seattle	Stone, Lucia May, Unmat.....	Thornton
Smith, Brock, LA.....	Bellingham	Stone, Myrtle M, Grad.....	Chewelah
Smith, Bryan B, Educ.....	Cheney	Stone, Nellie Cecella, Grad.....	Thornton
Smith, Cora Lynn, Unmat.....	Okanogan	Stoner, Juanita June, Educ.....	Spokane
Smith, Dorothy Emma, Sci.....	Puyallup	Storer, Leslie R, LA.....	Kent
Smith, Edna Bowman, Jr, FA.....	Evanston, Ill	Storey, Eunice, LA.....	Seattle
Smith, Ethel Elizabeth, Grad.....	Seattle	Storlie, Carl J, Grad.....	Tacoma
Smith, George Benjamin, Grad.....	Seattle	Stout, Ida, LA.....	Lake City, Ia
Smith, George M, Grad.....	Seattle	Stover, Leona, Sci.....	Seattle
Smith, Helen R, LA.....	Florence, Colo	Stowell, Ralph John, Bus.....	Seattle
Smith, Herndon, Grad.....	Seattle	Strahl, Merton P, Sci.....	Brooklyn, NY
Smith, Jessie Elizabeth, LA.....	Seattle	Straight, Robert, Educ.....	Vancouver, BC
Smith, Lena I, Unmat.....	Seattle	Stratton, Irving Ross, Law.....	Seattle
Smith, Lucy E, Unmat.....	Tacoma	Strand, Sophie, Unmat.....	Seattle
Smith, Mabel A, LA.....	Helena, Mont	Streator, Gertrude Inez, Grad.....	Seattle
Smith, Minnie Jameson, Grad.....	Boise, Ida	Strong, Frances, LA.....	Seattle
Smith, Orville L, LA.....	Naches	Strout, Hazel Mary, Phar.....	Seattle
Smith, Sybil F, FA.....	Watkins, Colo	Struthers, Selma Violet, LA....	Walla Walla
Smith, Thomas S, Educ.....	Cheney	Stubbsfield, Laura, Educ.....	Walla Walla
Smith, W Virgil, Grad.....	Seattle	Stuber, Esther E, LA.....	Bellingham
Smith, William Joy, Bus.....	Seattle	Stuber, La Verne G, LA.....	Bellingham
Smock, Merle M, FA.....	Mitchell, SD	Stuby, Margaret D, Unmat.....	Phoenix, Ariz
Snow, Myra L, LA.....	Seattle	Sturgis, Alice E, LA.....	Sturgis, Mich
Snyder, Harold Clare, LA.....	Seattle	Sullivan, Franklin, Educ.....	Seattle
Snyder, Juanita, Educ.....	Bellingham	Sullivan, Oleta K, Unmat.....	Eugene, Ore
		Summers, Doris E, Grad.....	Seattle

- Sun, Hsieh Chie, Grad.....China
 Sundquist, Ida E, Sci.....Mt Vernon
 Sundt, Edith M, Educ.....Winnipeg, Man
 Sunnell, Bertha, Educ.....Mt Vernon
 Susman, Ruth Pauline, Grad..Portland, Ore
 Sutherland, Jean, Sci.....Seattle
 Sutherland, Margaret K, LA.....Newport
 Suzuki, Eithro, Bus.....Seattle
 Suzuki, Katsuko, Sci.....Seattle
 Swan, Helen, Unmat.....Spokane
 Swan, Nora J, Educ.....Mt Vernon
 Swanberg, Amy, Bus.....Seattle
 Swanson, J Bernard, Grad.....Ellensburg
 Swanson, Clarence W, Bus.....Seattle
 Swedberg, Luella C, Grad..Lawrence, Minn
 Swedin, Elmer, LA.....Port Blakely
 Sweeney, Margaret, Unmat..Golden C. Colo
 Sweet, Anna E, Grad.....Sequim
 Sweet, Maude, LA.....Denver, Colo
 Swezea, Vernita, FA.....Seattle
 Swift, Edward A, Law.....Seattle
- Taake, Irene B, Grad.....Seattle
 Tainter, Frances Miller, Sci.....Du Pont
 Takahashi, Yoshiomi, LA.....Japan
 Talbot, E Reeve, LA.....Seattle
 Tank, Sik Bul, Bus.....Seattle
 Tanner, Frances J, Grad.....Seattle
 Tanzer, Max William, Bus.....Seattle
 Tapscott, Clarence B, Bus.....Seattle
 Tashima, Robert H, Sci...Los Angeles, Cal
 Taylor, Arthur S, LA.....Seattle
 Taylor, Chester Alban, LA.....Seattle
 Taylor, S Fisher, LA.....Seattle
 Taylor, Henrietta E, Grad.....Tacoma
 Taylor, Judith Morgan, LA.....Seattle
 Taylor, Margueritta, Sci...Vancouver, BC
 Teague, Rhoda K, Unmat.....Seattle
 Teller, Belle, Unmat.....Seattle
 Temple, Mary S, LA.....Seattle
 Tennyson, Florence L, LA...Mayville, ND
 Terry, Elizabeth, Unmat...Chinook, Mont
 Terry, Miriam, FA.....Seattle
 Terzick, Offilie, Grad.....Seattle
 Tewinkel, Joseph M, Grad.....Spokane
 Thayer, Jean, Grad.....Everett
 Thomas, Pauline C, Unmat..Portland, Ore
 Thomas, Elizabeth A, FA..Vancouver, BC
 Thomas, Jack R, Bus.....Sumas
 Thomle, Kristine, Grad.....Seattle
 Thompson, Agnes Salisbury, Grad..Seattle
 Thompson, Alfred, Law.....Raymond
 Thompson, Lois D, Grad.....Olympia
 Thompson, Margaret, LA.....Seattle
 Thompson, Alex C, Grad.....Renton
 Thomson, Martha E, Educ.....Renton
 Thomson, Mary G, Unmat....Chicago, Ill
 Thomson, Volla, Phar.....Goldbar
 Thorson, Mabel A, FA.....Brandon, SD
 Thorpe, Lloyd Edward, LA.....Seattle
 Thrum, Beatrice D, Educ.....Seattle
 Thulon, Anna, LA.....Spokane
 Thune, Alta J, Educ.....Everett
 Tierney, Gerald F, LA.....Walla Walla
 Tiffany, Katrine B, Grad.....Seattle
 Tilton, K Elwood, Grad.....Seattle
 Todd, Ruth M, Grad.....Seattle
 Tolbert, Caroline Leona, Unmat..Seattle
 Toles, Martha Isabelle, LA.....Centralla
 Tor, Chi Plu, LA.....Java
 Tormey, Gertrude J, Grad.....Spokane
 Tower, Pearl, Grad.....Seattle
 Towler, Emmett D, Grad..La Grande, Ore
 Towler, Margueriette, Unmat..La Grande, Ore
 Towne, Kathryn M, Unmat..Livingston, Mont
 Townsend, Blanche, Unmat..Kansas City, Mo
 Theblcock, Jane, Educ.....Tacoma
 Trick, Helen M, Educ.....Seattle
 Trimble, Augusta W, LA.....Seattle
 Trimble, Webb Ware, LA.....Seattle
 Trotter, Georgia, FA.....Marysville
- Trueblood, Clyde, Bus.....Clio, Iowa
 Truesdall, Roger W, Grad...Redlands, Cal
 Trunkey, Mary F, Educ.....Tacoma
 Tsang, Yale Yih, Grad.....China
 Tunstall, Don M, LA.....China
 Tupper, Charles R, Unmat....Miami, Ariz
 Turnbill, Don M, LA.....Kalama
 Turnbull, Donna M, Unmat....Aberdeen
 Turnbull, J Sam, Bus.....Skykomish
 Turnbull, Fred Archie, Educ.....Aberdeen
 Turner, Sara Elizabeth, LA.....Spokane
 Turner, Lloyd Edwin, Grad.....Chehalis
 Turner, Lucille M, Grad.....Nampa, Ida
 Turnidge, Cora L, LA.....Stayton, Ore
 Twomsley, Hawthorne, Educ.....Seattle
- Uehlinger, Mildred A, Bus..Kallispell, Mont
 Uhlmann, Martha M, LA.....Centralla
 Uhlmann, Wm Paul, Law.....Centralla
 Ulrich, Nona E, LA.....Spokane
 Unthank, Louise E, Unmat..Kansas City, Mo
 Upcraft, Winfield S, Grad.....Seattle
 Urness, E Vance, Bus.....Colfax
 Ushakoff, Denetry B, Bus.....Seattle
- Valdez, Maria, LA.....Alaminos, PI
 Valteau, Verna, Grad.....Deer Park
 Vallery, Dorothy, Educ.....Fruitdale, SD
 Van Heuvel, Ruth, Unmat...Jamestown ND
 Vanderford, Faith E, Bus...Sedro-Woolley
 Van de Wetering, George, LA.....Lynden
 VanDuzee, Jeanette B, Grad..Portland, Ore
 Van Dyke, Benjamin H, Grad..Los Angeles,
 Van Frank, Eether N, Sci.....Seattle
 VanGilder, Florence, Grad..St Helens, Ore
 Van Horn, Elizabeth, Educ.....Seattle
 Van Horn, Esther, Grad.....Seattle
 Van Houten, Lois, Educ.....Seattle
 Vann, Harold K, Grad.....Seattle
 Vannice, Thomas K, Grad.....Cosmopolis
 Van Orsdall, Otie Pearl, Educ.....Seattle
 Varney, Adah M, Educ...Kansas City, Mo
 Veldee, Nina M, Educ.....Bremerton
 Venn-Watson, Edna, Unmat...Port Ludlow
 Verceles, Antonio, Bus.....Philippines
 Vermillion, Ina, Educ.....Spokane
 Vernet, Charles Lee, Educ.....Enumclaw
 Vernon, Eleanor E, Grad.....Seattle
 Vinling, Genevieve, Grad.....Seattle
 Vinling, Maurice N, Bus.....Seattle
 Vinson, Carol Jessie, Jour.....Tacoma
 Voehching, Erna, LA.....Fall Creek, Wis
 Volger, Theodore Hampman, Grad...Seattle
 Vogt, Elizabeth M, LA.....Spokane
- Wachter, Virginia, LA.....Seattle
 Wade, Marie, LA.....Portland, Ore
 Wadsworth, Winifred, FA.....Tacoma
 Wagner, Kathryn E, Unmat..Portland, Ore
 Wagner, La Vine J, LA.....Port Angeles
 Wagner, Ruth E, Grad...Grangerville, Ida
 Waite, Glenna, Bus.....Seattle
 Wait, Wallace T, Grad.....South Bend
 Wakefield, Carol, Grad.....Seattle
 Walker, Alice M, Educ...Roberts, Mont
 Walker, Anna S, Grad.....Seattle
 Walker, Horace E, Educ.....Tacoma
 Walker, William B, aLw.....Aberdeen
 Wallace, Howard S, Grad.....Bellingham
 Walhom, Ruth, LA.....Seattle
 Waller, Grace B, Grad.....Seattle
 Walsh, Alice B, LA.....Benkelman, Nebr
 Walsh, Ellen Lucille, LA.....Everett
 Walsh, Frances, Cecelia, Unmat....Seattle
 Walsh, Mary L, Sci.....Tacoma
 Walters, Chalmers, LA.....Everett
 Ward, Alma M, Grad.....Seattle
 Ward, May Dunn, Grad.....Seattle
 Ward, William E, Sci.....Seattle

Warner, Wilma, Bus.....	Medical Lake	Wilson, Mary, Unmat.....	Nanaimo, BC
Waskey, Robert T, Sci.....	Seattle	Wilson, Mary King, LA.....	Seattle
Watkins, Eula M, Educ.....	Seattle	Wilson, Sarah M, Grad.....	State College, Penn
Watkins, Ina Ree, Educ.....	Seattle	Wilson, Paul E, Grad.....	Spokane
Watkins, Minnie Jane, Educ.....	Seattle	Wilson, S Bertta, Grad.....	Spokane
Watson, Anna E, Grad.....	Seattle	Wiltse, George E, Unmat.....	Port Angeles
Watson, Charles Hoyt, Grad.....	Seattle	Windus, Maurice, LA.....	Ronan, Mont
Watson, Ruth Elizabeth, Grad.....	Seattle	Winegar, Roger M, LA.....	Seattle
Watt, June S, Unmat.....	Seattle	Wing, Willis R, LA.....	Boise, Ida
Waxmann, Marie J, Educ.....	Portland, Ore	Winston, Carey, Bus.....	Seattle
Weaver, Donald K, LA.....	Seattle	Wintler, Ella, Grad.....	Vancouver
Webster, Charles N, LA.....	Port Angeles	Witham, Ray, Bus.....	Seattle
Webster, Florence D, Educ.....	Clarkston	Withrow, Faye, Grad.....	Seattle
Webster, Harriet, Unmat.....	Seattle	Woesner, Inez E, Educ.....	Boise, Ida
Weger, Esther E, Educ.....	Spokane	Wohlrahe, Raymond A, Grad.....	Seattle
Weide, Barbara Florence, Sci.....	Centralia	Wollan, Edna B, Sci.....	Glenwood, Minn
Weir, Richard, Grad.....	Tacoma	Wolter, Armlde, LA.....	Seattle
Weisman, Frances, Educ.....	Spokane	Wolter, Delphine, Unmat.....	St Paul, Minn
Weisman, Sara E, Educ.....	Spokane	Wolter, Lucille, Unmat.....	Baker, Mont
Weller, L L, Phar.....	Seattle	Wolz, Elsie A, LA.....	Seattle
Wellman, Frank A, Grad.....	Enid, Okla	Wong, James M, Bus.....	Seattle
Wellman, Victor E, Grad.....	Enid, Okla	Wong, Violet, Phar.....	Vancouver, BC
Welsh, Jean, Unmat.....	Portland, Ore	Wong, Wah Chin, LA.....	China
Wen, Chung Sing, LA.....	China	Wonsettler, Erie, Unmat.....	Seattle
Wenz, Ruth O, LA.....	Bellingham	Wood, Asa A, Grad.....	Libby, Mont
Werby, Helena J, Grad.....	Seattle	Wood, Hazel, Frances, LA.....	Seattle
West, Alice, Unmat.....	Meridian, Ida	Wood, Irene B, FA.....	Bremerton
West, Constance, Grad.....	Seattle	Wood, Myrna, LA.....	Sunnyside
West, Gladys, Educ.....	Leavenworth	Woodard, Coy Blanche, Unmat.....	Portland
Westcott, Florence Jane, Unmat.....	Garfield	Woodbury, Lydia A, Educ.....	Prosser, Nbr
Westervelt, Howard W, LA.....	Marysville, Cal	Woods, Ruth Elizabeth, Grad.....	Seattle
Westfall, Virginia, LA.....	Seattle	Woodsie, James H, Bus.....	Seattle
Whalley, Alice M, LA.....	Seattle	Woodward, David Riley, Grad.....	Newberg, Ore
Whaley, M B, Educ.....	Colfax	Woodward, Sibylla Ann, LA.....	Granite Falls
Wheeler, Chetta M, Unmat.....	Smithfield, Ohio	Worthen, Clifton B, Grad.....	Cheney
Wheeler, Elaine, Grad.....	Caldwell, Ida	Worthington, Patricia, LA.....	Spokane
Wheeler, Robert F, LA.....	Montesano	Worthington, Grace, Grad.....	Quilcene
Whillans, Ellen, Educ.....	Everett	Wright, Harriet Isabelle, LA.....	Spokane
Whitcomb, Alice E, Educ.....	Seattle	Wrigglesworth, Lowella, LA.....	Chehalis
Whitcomb, Dorothy H, LA.....	Seattle	Wright, Helen E, LA.....	Seattle
White, Charles Haynard, Educ.....	Tipton, Mo	Wright, Jack H, Grad.....	Seattle
White, Goldie, Unmat.....	Joplin, Mo	Wright, Myrtle, LA.....	Seattle
White, Jesse James, Educ.....	Seattle	Wright, P A, Educ.....	Snohomish
White, Jessie Morrison, LA.....	Seattle	Wright, Quintin B, LA.....	Seattle
White, Louise, Sci.....	Snoqualmie Falls	Wright, Ralph G, Educ.....	Seattle
White, Mabel, Educ.....	Seattle	Wu Andrew Y, Bus.....	China
White, Marie, Grad.....	Cordova, Alaska	Wu Hsi Yuan, LA.....	China
White, Marion I, Grad.....	Spokane	Wynne, Ardis, Grad.....	Perndale
White, Myrtle P, Grad.....	Seattle	Wynstra, Stanley, Educ.....	Cheney
White, Ruth Isabel, Unmat.....	Everett	Wynstra, Wieber, Educ.....	Cheney
Whitehouse, Vera M, LA.....	Buckley	Wynstra, Walter Scott, Educ.....	Cheney
Whitmore, Julia, Educ.....	Tacoma		
Whitson, Ruth N, Unmat.....	Bellingham	Yamazaki, Yoshiyuki, Bus.....	Japan
Whittier, Doris Callow, Grad.....	Seattle	Yancey, Della M, Grad.....	Buckley
Whitworth, Sidney E, Grad.....	Dallas, Ore	Yarr, Isabel, Unmat.....	Chimacum
Wickland, Vera, Grad.....	Fallon, Nev	Ybajos, Marcelino V, Bus.....	Philippines
Widell, Hilda L, LA.....	Tacoma	Yeck, Lois E, Educ.....	Boise, Ida
Wielgel, Dorothea, Bus.....	Tacoma	Yonemoto, Haruo Ross, Bus.....	Steveston, BC
Wiester, Grace M, Grad.....	Wenatchee	York, Arthur F, Law.....	Tacoma
Wilcox, Birt Pittenger, Unmat.....	Winlock	York, Hazel Backus, Educ.....	Tacoma
Wiley, Frances Evans, Grad.....	Seattle	Youle, Nellie W, Unmat.....	Seattle
Williams, Arthur D, Grad.....	Seattle	Young, Charlene, Sci.....	Sedro-Woolley
Williams, L Hazel, Unmat.....	Seattle	Young, Clara H, Grad.....	Tacoma
Williams, Ledra A, Grad.....	Caldwell, Ida	Young, Dorothy June, FA.....	Seattle
Williams, Frances Ethelyn, FA.....	Yakima	Young, Glendown, Educ.....	Sedro-Woolley
Williams, Lewis Roland, Unmat.....	Ridgefield	Young, Jessie Jean, Unmat.....	Seattle
Williams, Margaret C, Educ.....	Seattle	Young, Kate E, LA.....	Portland, Ore
Williams, Mentor L, Grad.....	Miles City, Mont	Young, Ruth Margaret, Bus.....	Seattle
Willix, W Douglas, LA.....	Seattle	Young, Wayne L, Bus.....	Spokane
Wilshire, Logan G, LA.....	Pasadena, Cal	Young, Wesley George, Grad.....	Seattle
Wilson, Adda, Unmat.....	Waterville	Young, William Wallace, Grad.....	Seattle
Wilson, Alexia, Educ.....	Seattle	Ystrom, John B, Engr.....	Seattle
Wilson, Beatrice, LA.....	Seattle	Ytterdal, Harald, LA.....	Seattle
Wilson, B F, Unmat.....	Seattle		
Wilson, Boland, LA.....	Seattle		
Wilson, Clotilde M, LA.....	Seattle		
Wilson, Frances Imogen, Grad.....	Seattle	Zaepfel, John N, Grad.....	Everett
Wilson, Frank C, LA.....	DuPont	Zehle, Emma, Educ.....	Lowell
Wilson, Earl Richard, Sci.....	Burlington	Zener, Galen O, Bus.....	White Salmon
Wilson, Gale, Sci.....	Ridgefield	Zimmer, Zada Zelma, Educ.....	Hoquiam
Wilson, Julia, Bus.....	Portland, Ore	Zimmerman, Rosa Evelyn, FA.....	Everett
Wilson, Lucille H, Grad.....	Hoquiam	Zumwalt, H O, Grad.....	Yakima
		Zwinggi, Lols E, Grad.....	St Peter, Minn

PUGET SOUND BIOLOGICAL STUDENTS—1925

Altman, L Claire.....	Seattle	Mitchell, Mary Sidney.....	Wheeler
Angst, Laura.....	Chehalis	Monda, George J.....	Lacey
Baker, Alfred.....	Sumas	Moore, Clarita.....	Seattle
Brown, Mary Jane.....	Nashville, Ind	Morgan, Ethel P.....	Seattle
Burgdorf, Ralph S.....	Bellingham	Mullen, Doris.....	Seattle
Casler, Georgia M.....	Glengary, Idaho	Musgrave, Dorothy.....	Seattle
Channing, Christine E.....	Wenatchee	Myers, Margret E.....	Everson
Clark, Frank Jones.....	Centralia	Nash, Grace E.....	Friday Harbor
Clark, Lois.....	Lakota	Neary, Raymond.....	Lacey
Clayton, Alice M.....	Seattle	Nelson, Adah.....	Portland, Ore
Donworth, Mary.....	Seattle	Norris, Dorothy.....	Bellingham
Drake, Elizabeth.....	Spokane	Osborn, Glenn J.....	Washougal
Duff, Dorothy W.....	Pierce, Nebr	Padgham, Florence.....	Portland, Ore
Dutch, Dorothy E.....	North Bend, Ore	Patch, Della.....	Beach
Fouts, Marcia.....	Seattle	Peterson, Estella.....	Seattle
Frye, Elizabeth A.....	Seattle	Phifer, Lyman.....	Seattle
Gardiner, Anne Henshaw.....	Martinsburg, W Va	Pierron, Richard P.....	Bellingham
Gellerman, Mildred Prescott.....	Oroville	Quigley, Arthur V.....	Vancouver, BC
Goss, Gladys.....	Sumner	Reed, Marion.....	Nehalem, Ore
Gray, Charles W.....	Seattle	Reuter, Ernest G.....	Portland, Ore
Gray, Rose.....	Black Diamond	Roach, Nina.....	Seattle
Hall, Ruth.....	Sedro-Woolley	Roach, Ruth.....	Seattle
Hannum, Clair A.....	Seattle	Roberts, Charles M.....	Erie, Penn
Hansen, Alvida L.....	Tacoma	Scott, Frieda.....	Fairbury, Nebr
Hart, Ernestine C.....	Vancouver	Seely, Josefa.....	Glendale, Cal
Horsfall, Mrs Carra E.....	Portland, Ore	Seely, Ruth A.....	Berkeley, Cal
Huang, Yuan Chao.....	Canton, China	Shackleford, Martha W.....	Tacoma
Jackson, Dorothy E.....	Bellingham	Sherrer, Helen M.....	Seattle
Jewett, Elsie K.....	Vancouver	Slusher, Josephine.....	Bellingham
Johnson, Venus J.....	Seattle	Smith, Sylvia E.....	Normal, Ill
Knibbs, Marguerite.....	Bellingham	Southworth, Martha.....	Walla Walla
Knox, Elizabeth.....	Fort Morgan, Colo	Stevens, Belle A.....	Maltby
Korthauer, Mrs Mabel B.....	Bellingham	Stokesberry, Opal.....	Bellingham
Lake, Marion.....	Carnation	Thomas, Mary L.....	Port Townsend
LaRue, Pearl Elizabeth.....	Seattle	Thompson, Kate.....	Seattle
Limbach, Dorothy H.....	Seattle	Tyler, Jocelyn.....	Detroit, Mich
Little, Dorothy V.....	Seattle	Underhill, Julia A.....	Roslyn
Logan, George A.....	Thorp	Unruh, Anna Jean.....	Pawnee Rock, Kans
Lord, Mrs Alice B.....	Pittsburgh, Pa	Updike, Donald E.....	Portland, Ore
Lowrey Anna.....	Stockton, Cal	Wells, Wayne W.....	Corvallis, Ore
Lowrey, Mary.....	Berkeley, Cal	Whalley, Alice M.....	Seattle
MacChesney, Kathryn.....	Portland, Ore	Wilson, Mary.....	Yakima
Mahone, Lena Louise.....	Seattle	Wilson, Paul T.....	Yakima
Millican, Harold A.....	Yakima		

SHORT COURSE IN FISHERIES—1926

Grell, E F.....	Seattle	Schrey, Fred F.....	Seattle
Larson, A F.....	Monroe	Wilson, Harry J.....	Seattle
Nordin, Albin.....	Seattle		

SUMMARY OF ENROLLMENT

1925-1926

SUMMARY OF ENROLLMENT—1925-1926

BY SCHOOLS AND COLLEGES

SCHOOLS AND COLLEGES	SUMMER QUARTER		TOTAL Individ'ls Sum. Qr.	AUTUMN QUARTER	WINTER QUARTER	SPRING QUARTER	TOTAL Individ'ls Reg. Yr.
	1st Term	2nd Term					
	1	2	3	4	5	6	7
Grad. School	632	475	829	353	331	275	452
Men.....	262	215	308	198	187	145	239
Women....	370	260	521	155	144	130	213
Lib. Arts....	584	482	1038	2178	2227	2069	2525
Men.....	157	171	296	1000	1008	904	1173
Women....	427	311	742	1178	1219	1165	1352
Science.....	153	127	357	682	612	572	794
Men.....	42	37	103	269	281	238	315
Women....	111	90	254	413	334	334	479
Bus. Admin..	142	139	170	1030	1045	872	1264
Men.....	111	110	129	882	905	751	1062
Women....	31	29	41	148	140	121	202
Education...	532	374	685	141	150	174	164
Men.....	132	105	214	44	53	54	51
Women....	400	269	471	97	97	120	113
Engineering..	25	23	26	629	594	524	746
Men.....	25	23	26	627	594	524	746
Women....	..	..	..	2	..	2	2
Fine Arts....	118	77	144	616	582	561	696
Men.....	8	3	9	121	112	99	159
Women....	110	74	135	495	470	462	537
Fisheries....	4	4	5	49	58	42	67
Men.....	4	4	5	49	58	42	67
Women....	..	..	..	..	..	1	1
Forestry.....	5	5	5	143	144	128	176
Men.....	5	5	5	143	144	128	176
Women....	..	..	..	..	..	1	1
Journalism...	4	5	5	47	15	30	48
Men.....	..	1	5	28	11	19	18
Women....	4	4	..	19	4	11	30
Law.....	34	30	35	88	104	126	98
Men.....	32	28	33	85	101	123	94
Women....	2	2	2	3	3	3	4
Library Sci..	..	..	..	16	38	38	40
Men.....	..	..	..	..	1	1	1
Women....	..	..	..	16	37	37	39
Mines.....	..	..	..	37	32	21	44
Men.....	..	..	..	36	31	20	43
Women....	..	..	..	1	1	1	1
Pharmacy...	14	9	19	140	132	123	146
Men.....	5	4	10	101	101	92	103
Women....	9	5	9	39	31	31	43
TOTALS.....	2247	1750	2489	6149	6064	5555	7260
Men.....	783	706	829	3583	3587	3136	4243
Women....	1464	1044	1660	2566	2477	2419	3017

NOTE: Columns 1, 2, 4, 5 and 6 represent census figures, i. e., the enrollment taken on a stated day within the first month of a term or quarter. Columns 3 and 7 show figures representing the number of individuals registered, Column 3 the number registered during the summer quarter, Column 7 the number registered during the academic year. For comparison with other institutions, the figures in columns 3 and 7 should be used, as these are the customary catalog figures.

SUMMARY OF ENROLLMENT—1925-1926

BY CLASSES

SCHOOLS AND COLLEGES	SUMMER QUARTER		TOTAL Individ'ls Sum. Qr.	AUTUMN QUARTER	WINTER QUARTER	SPRING QUARTER	TOTAL Individ'ls Reg. Yr.
	1st Term	2nd Term					
	1	2	3	4	5	6	7
Graduates...	632	475	829	353	331	332	463
Men.....	262	215	308	198	187	178	270
Women....	370	260	521	155	144	154	193
Seniors.....	397	382	528	725	652	903	837
Men.....	143	154	180	418	382	471	420
Women....	254	228	348	307	270	412	417
Juniors.....	683	482	611	912	1025	903	1013
Men.....	176	154	158	539	613	529	521
Women....	507	328	453	373	412	374	492
Sophomores..	308	239	272	1756	1477	1319	1952
Men.....	111	114	96	982	850	733	1141
Women....	197	125	176	774	627	586	811
Freshmen....	215	163	235	2324	2546	2095	2881
Men.....	84	65	79	1434	1533	1217	1865
Women....	131	98	156	890	1013	878	1016
Specials.....	12	9	14	79	33	23	114
Men.....	7	4	8	12	22	8	26
Women....	5	5	6	67	11	15	88
TOTALS.....	2247	1750	2489	6149	6064	5555	7260
Men.....	783	706	829	3583	3587	3136	4243
Women....	1464	1044	1660	2566	2477	2419	3017

NOTE: Columns 1, 2, 4, 5 and 6 represent census figures, i. e., the enrollment taken on a stated day within the first month of a term or quarter. Columns 3 and 7 show figures representing the number of individuals registered. Column 3 the number registered during the summer quarter, Column 7 the number registered during the academic year. For comparison with other institutions, the figures in columns 3 and 7 should be used, as these are the customary catalog figures.

TOTAL STUDENTS IN RESIDENCE

During regular academic year.....	7,260
During summer quarter.....	2,489
	9,749
Deduct summer quarter duplicates.....	488
	9,261

EXTENSION STUDENTS

Home Study		
Men.....	705	
Women.....	817	
		1,522
Extension Classes		
Men.....	735	
Women.....	2,422	
		3,157
Total Extension.....		4,679

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