

# WILLAMETTE UNIVERSITY



SIXTY-SIXTH YEAR



NEW SERIES  
**WILLAMETTE UNIVERSITY BULLETIN**  
(Published Quarterly)

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**VOL. II.**

**SALEM, OREGON, JULY, 1909**

**NO. 1**

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*Y. U. H. D.*

WILLAMETTE UNIVERSITY

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BULLETIN OF INFORMATION

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REGISTER - - 1908-1909

ANNOUNCEMENTS 1909-1910

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OFFICE OF  
WILLAMETTE UNIVERSITY  
SALEM, OREGON

# 1909

SEPTEMBER							OCTOBER							NOVEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20
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# 1910

JANUARY							FEBRUARY							MARCH						
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9	10	11	12	13	14	15	13	14	15	16	17	18	19	13	14	15	16	17	18	19
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# Calendar

1908.

September 22	College of Liberal Arts opened. School of Oratory opened. School of Music opened. Academy opened.
September 29	School of Theology opened.
October 5	School of Medicine opened. School of Law opened.
November 26-27	Thanksgiving Recess.
December 19	Christmas Vacation began.

1909.

January 4	School Work resumed.
January 17-20	Exercises Inaugurating President Homan.
January 28	Day of Prayer for Colleges.
February 3-5	Examinations of First Semester.
February 8	Second Semester began.
February 12	Lincoln's Birthday.
February 22	Washington's Birthday.
February 26	Willamette University Wins Debate with Whitman College.
March 12	Willamette University Wins State Oratorical Contest.
March 26-April 3	Spring Vacation.
April 30	May Day Exercises.
May 21	Commencement School of Law.
May 30	Memorial Day.
June 1	Entertainment by School of Oratory.
June 2	Commencement School of Medicine.
June 4	Entertainment by School of Music.
June 8	Senior Oratory Recital.
June 10	Commencement School of Oratory.
June 11	Inter-Society Contest.
June 13	Baccalaureate Sermon by President Fletcher Homan, D. D. 3:00 p. m.—Farewell Meeting of Christian Associations. 8:00 p. m.—Sermon to Christian Associations by Rev. I. H. Cudlipp, D. D.

June 14	Graduating Exercises of Oregon Institute and Normal School. Address by Rev. D. H. Trimble.
June 15	3:00-5:00 p. m.—Reception by President and Mrs. Homan. 8:00 p. m.—Annual Program by School of Music.
June 16	10:00 a. m.—Board of Trustees Meeting. 4:00 p. m.—Alumni Business Meeting. 6:00 p. m.—Alumni Banquet. 8:30 p. m.—Mr. and Mrs. A. N. Moores received Alumni and Old Students at their home.
June 17	2:00 p. m.—Class Day Exercises of Senior Class. 8:00 p. m.—Commencement of College of Liberal Arts. Address by Judge Stephen A. Lowell.
September 21	College of Liberal Arts opens. School of Oratory opens. School of Music opens. Normal School opens. Academy opens.
September 28	School of Theology opens.
October 4	School of Medicine opens. School of Law opens.
November 25-27	Thanksgiving Recess.
December 18	Christmas Vacation begins.

## 1910.

January 4	School Work resumes.
January 27	Day of Prayer for Colleges.
February 9-11	Examinations of First Semester.
February 14	Second Semester begins.
March 25-April 4	Spring Vacation.
June 12-16	Commencement Week.

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## WILLAMETTE UNIVERSITY

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(University Charter, Section 5.)

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HON. F. A. MOORE.....	<i>Chief Justice Supreme Court</i>
HON. ROBT. EAKIN.....	<i>Justice Supreme Court</i>
HON. THOS. A. MCBRIDE.....	<i>Justice Supreme Court</i>
HON. J. BOWERMAN.....	<i>President of the Senate</i>
HON. C. N. MCARTHUR.....	<i>Speaker House of Representatives</i>

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REV. W. H. SELLECK.....	Salem
REV. D. H. TBIMBLE.....	Eugene
REV. C. T. WILSON.....	Portland
REV. JOHN OVALL.....	Portland

*Columbia River Conference.*

REV. NATHAN EVANS.....	Hood River
REV. L. R. KUFUS (deceased).....	The Dalles

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*Committee on Affiliated Colleges*—R. A. BOOTH, A. M. SMITH, REV. B. F. ROWLAND, REV. W. B. HOLLINGSHEAD, T. S. MCDANIEL.

*Committee on Endowment*—T. S. MCDANIEL, M. B. RANKIN, R. A. BOOTH, A. M. SMITH, G. F. JOHNSON, R. J. GINN, J. I. JONES.

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J. I. JONES .....	<i>Director</i>
A. M. SMITH .....	<i>Director</i>
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R. A. BOOTH .....	<i>Director</i>

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MISS LENA SCHINDLER, '07.....	<i>Treasurer</i>
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I. H. VAN WINKLE, '98.....	<i>Member Board of Trustees, W. U.</i>

# Faculty

FLETCHER HOMAN,

A. B. and A. M., Simpson College; S. T. B., Garret Biblical Institute;  
D. D., Upper Iowa University  
President of the University.

## College of Liberal Arts

EDWIN TAUSCH,

Ph. D., University of Halle  
Professor of Philosophy, 1908-1909.

FLORIAN VON ESCHEN,

Ph. B. and Ph. M., Simpson College  
Professor of Physics and Chemistry.

M. E. PECK,

B. A., Cornell College  
Professor of Biology.

W. E. KIRK,

A. B. and A. M., University of Nebraska  
Professor of English Language and Literature.

GAYLARD H. PATTERSON,

A. B., Ohio Wesleyan University; A. M., Harvard University; S. T. B.,  
Boston University; Ph. D., Yale University  
Professor of History and Social Science.

J. T. MATTHEWS,

B. A. and M. A., Willamette University  
Professor of Mathematics.

\*

*Mrs. Barnett*  
.....  
Professor of Latin.

EDWIN SHERWOOD,

A. B. and A. M., Ohio Wesleyan University; B. D., Drew Theological  
Seminary  
Professor of Latin and Greek, 1907-1909.  
Professor of Greek, 1909—

LOUIS BACH, A. M.,

Professor of Modern Languages.

MARY E. REYNOLDS,

B. S., Willamette University  
Professor of Pedagogy.

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\*Position will be filled before school opens.

**SARA BROWN SAVAGE,**

O. B. and O. M., Emerson College of Oratory  
Dean of the School of Oratory and Professor of Oratory and  
Dramatic Expression.

**VEVA BARTLETT,**

B. A., Willamette University  
Matron Lausanne Hall.

**G. J. SWEETLAND, M. D.,**

B. L., Hobart College  
Physical Director and Assistant in History.

**FREDERICK CRAMER,**

B. A., University of Cincinnati  
Professor of German Bible.  
Professor of Philosophy, 1909—

**School of Music**

FREDERIC S. MENDENHALL, M. A., Dean,  
Piano, Organ, Theoretical Subjects.

MYRTLE L. MENDENHALL,  
Professor of Voice Culture.

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Professor of Violin.

-----  
Assistant Piano and Voice.

**School of Oratory**

SARA BROWN SAVAGE, O. M.,  
Dean and Professor of Oratory and Dramatic Expression.

MAY BELLE ADAMS,  
Assistant in School of Oratory.

**School of Theology**

HENRY D. KIMBALL, D. D., LL. D.,  
Dean and Professor of Systematic and Practical Theology.

ROBERT H. WASHBURNE, A. M., B. D., Ph. D., S. T. D.,  
Professor of Hebrew, Old Testament Exegesis and Church  
History, 1906-1909.

EDWIN SHERWOOD, A. M., B. D.,  
Professor of New Testament Greek and Exegesis.

GAYLORD H. PATTERSON, A. M., S. T. B., Ph. D.,  
Professor of Biblical Literature and Sociology.

FREDERICK CRAMER, A. B.,  
Professor of Christian Evidences.

### School of Medicine

WILLIAM HENRY BYRD, M. D.,  
Professor of Surgery, Surgeon to Salem Hospital, and Dean of  
Faculty.

LEWIS FRANKLIN GRIFFITH, M. D.,  
Professor of Diseases of Women.

JOHN N. SMITH, M. D.,  
Professor of Theory and Practice of Medicine.

WALTER T. WILLIAMSON, M. D.,  
Professor of Mental and Nervous Diseases.

JAMES A. RICHARDSON, M. D.,  
Professor of Pediatrics.

WILLIAM CARLTON SMITH, A. B., M. D.,  
Professor of Anatomy.

H. J. CLEMENTS, M. D.,  
Professor of Bacteriology and Pathology.

AUGUSTUS E. TAMIESIE, M. D.,  
Professor of Materia Medica and Therapeutics.

ANGUS B. GILLIS, M. D.,  
Professor of Ophthalmology, Rhinology, Otology, and Laryng-  
ology; Ophthalmologist to Salem Hospital.

FRANK ELDON SMITH, M. D.,  
Professor of Obstetrics.

CHARLES OLIVER BOYER, A. B., B. S.,  
Professor of Chemistry and Toxicology.

E. E. FISHER, M. D.,  
Professor of Genito-Urinary Diseases and Syphilis.

P. H. D'ARCY, A. B.,  
Lecturer on Medical Jurisprudence.

H. J. CLEMENTS, M. D.,  
Professor of Embryology and Histology.

JOHN D. SHAW, M. D.,  
Professor of Physical Diagnosis and Diseases of the Chest.

ORLA B. MILES, M. D.,  
Professor of Physiology.

ROY D. BYRD, M. D.,  
Demonstrator of Anatomy.

W. H. COOLEY, Ph. G.,  
Professor of Pharmacy.

### School of Law

C. L. MCNARY, LL. B.,  
Dean and Professor Common Law, Real Property, and Code.

GEO. G. BINGHAM, LL. B.,  
Professor of Evidence and Code Pleadings.

JOHN BAYNE, LL. B.,  
Professor of Common Law Pleadings, Equity and Practice Work.

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Professor of Torts and Constitutional Law.

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Professor of Negotiable Instruments and Criminal Law.

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Professor of Contracts and Sales.

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HENRY D. KIMBALL, D. D.,  
Dean of School of Theology.

SARA BROWN SAVAGE, O. M.,  
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*Lectures and Addresses*

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MISS MARIE C. BREHM.

# General Information

## HISTORICAL.

1834.

Jason Lee opened an Indian Mission School in a log cabin ten miles below the present site of Salem.

1842.

The Indian Mission School was moved to what is now the campus of Willamette University and was conducted in a \$10,000 frame house.

The white settlers of the Willamette Valley planned a school for their own children, elected a board of trustees, subscribed funds, decided to call the institution The Oregon Institute, resolved that it should grow into a college, and began to look about for a suitable location.

1844.

The Trustees of the Oregon Institute bought the Indian Mission School property and it was immediately opened as a school for white children.

1853.

By act of the Legislative Assembly of the Territory of Oregon, Willamette University was established with the Oregon Institute as a preparatory school.

1859.

The first class was graduated from the College of Liberal Arts.

1864.

The building at present occupied by the College of Liberal Arts was begun. At the laying of the cornerstone Governor Gibbs delivered the address. The Greek-cross form of the building was suggested by Bishop Janes at his last visit.

1867.

April.—The School of Medicine, which had been giving instruction for two years, was formally organized.

July.—The first honorary degrees conferred by the University were given. Hon. Geo. H. Williams, United States Senator;

Hon. M. P. Deady, United States District Judge, and Hon. A. C. Gibbs, ex-Governor of Oregon, received the degree of LL. D.

1884.

The School of Law was established.

1905.

The fine brick building occupied by the Schools of Medicine and Law was erected. This building was the gift of the citizens of Salem.

1906.

The elegant building for the use of the School of Theology was erected. Mrs. Luella D. Kimball, wife of Rev. H. D. Kimball, Dean of the School of Theology, presented this structure to the University.

1907.

A large frame building was placed upon the campus for the use of the School of Music. W. W. Brown, of Paulina, Oregon, presented this building to the University.

1908.

Hon. A. E. Eaton, of Union, Oregon, in September, began a magnificent College of Liberal Arts Building on the campus, at a cost of \$50,000. Mr. Eaton alone pays the total cost of this building, which will be ready for use when school opens in September. This building is one hundred fifty feet long and three stories high above the basement, and fronts the State Capitol.

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Willamette has been richly honored in the success and high positions attained by her children.

Among the thousands of former students and the five hundred graduates from her different departments are numbered preachers, missionaries, teachers, professors, congressmen, judges of County Court, of Superior Courts, of Circuit Courts, of Supreme Courts, of United States District Courts, editors, authors, explorers, municipal officers, physicians, United States Senators, Governors, United States Attorneys, Consuls, Secretaries of State, United States Surveyors General, President of State Senate, Speaker of House of Representatives, and scores of prominent and successful citizens.

### LOCATION.

The location of Willamette University is ideal. Salem is the capital city of Oregon with about 15,000 inhabitants. It is on the main line of the Southern Pacific railroad, and also on the Oregon Electric, fifty miles south of Portland, Oregon, and is easily reached. The city is rich in historic associations, filled with good homes, beautiful in landscape, made up of intelligent citizens, and has a good moral and religious atmosphere.

The legislature, the higher courts, the public libraries, the numerous resident officials of county and state, the eminent traveling lecturers and musicians, the manufactories and commerce, the state institutions afford students all necessary facilities and opportunities for varied experiences and acquaintance with practical affairs.

Salem is pre-eminently a city of schools. Counting Willamette University as one, there are ten schools, academies and colleges within the boundaries of Salem and near its borders.

The University is located on high ground near the center of the city, convenient to postoffice and depot and just across the street from the Capitol. The location is ideal and beautiful and inspires to refinement and culture. The health conditions are such that cases of serious illness among either faculty or students rarely occur.

### BUILDINGS.

Eaton Hall, the new College of Liberal Arts Building, is the most beautiful public building in Salem. It is built of red pressed brick and gray stone. The arrangement of the interior and the method of heating are thoroughly modern. It is a great addition to the educational buildings of Oregon.

The old College Building is a large brick and stone structure, five stories high. It contains about thirty rooms, used for chapel, laboratories, recitations, with rooms for the literary societies and Christian Associations.

The Medical Building is a three-story brick and stone building with ample accommodations and equipment for carrying on the Medical School.

The Theology Building occupies a delightful situation just across the street from the Capitol grounds. It is nicely equipped for conducting the work of the Theological School.

The Music Building is a large frame structure well arranged for conducting the School of Music. It was the gift of Mr. W. W. Brown, of Paulina, Oregon, and meets the needs of the University in every respect.

The Ladies' Hall is a commodious building of four stories, with present accommodations for twenty-five to thirty women. It is comfortably furnished throughout and affords a congenial home.

The Gymnasium is a large frame building with ample room for the needs of the students. It is one of the best gymnasiums on the Pacific Coast and is a source of great enjoyment and profit to the students.

In addition to the gymnasium, the greatest in-door Stadium of the Northwest is on the campus of Willamette University, with an eight-lap track to the mile. This affords opportunity for students to take daily exercise even in rainy weather.

Willamette Athletic Field is one of the best to be found. It is well fenced, contiguous to the gymnasium, has a quarter-mile running track, a fine baseball diamond and football field, and a large grandstand. It is complete in every way.

#### GOVERNMENT.

The University aims to maintain a high standard of conduct for the good of all its students.

In the internal management of the affairs of the institution appeal is always to the reason and conscience of all concerned. The students are recognized as having moral sense and ideas of propriety. Principles of honor are inculcated. Christian courtesy is encouraged. The regulations are such as everywhere govern the conduct of ladies and gentlemen of high ideals. The atmosphere of Willamette University is not congenial to any other class of students.

Matriculation presupposes a willingness to conform to the rules and usages of the University.

#### RELIGIOUS LIFE.

Membership in any church whatever is not required. Students of any and every religious belief are admitted to the University and in nowise is there any discrimination.

The University is devoted to Christian culture, but is not sectarian.

Devotional exercises are observed each school day in the chapel.

Special religious meetings are conducted during the year at the discretion of the President and faculty.

The Salem churches take a special interest in the students, both in their regular services and in the Sunday schools. Students are advised to attend the church of their choice on the Sabbath day.

**STUDENT ENTERPRISES.**

The Student Body is the organization of all the students of the University. This organization, under the supervision of the faculty, has control of general student affairs, such as athletics, the business management of the *Collegian*, inter-collegiate debates, and oratorical contests.

The *Collegian* is the college paper, published weekly. The editors and business manager are elected by the Student Body.

The Young Men's and the Young Women's Christian Associations are strong organizations and do effective work. They give especial attention to new students, making every effort to make them feel at home in Salem.

The Girls' Student Association is composed of members of the Colleges and Academy. Its purpose is to foster social life.

The Oratorical Association of the Colleges, in connection with the Intercollegiate Association, conducts the local oratorical contests.

The Literary Societies afford opportunity for such work as is usually undertaken by such organizations. They have pleasant and well-furnished halls.

**OPPORTUNITIES FOR SELF-HELP.**

Salem people are loyal in every way to the College. Young men and young women who are desirous of finding places where they may earn all or a part of their living expenses find many and various methods of earning money. Some young women find comfortable homes with families who expect a reasonable service in the domestic affairs of the home in return.

There is a limited amount of labor for students about the buildings and grounds, and the faculty cheerfully help to secure places where students may earn money. Those who are unable to secure funds enough in advance for a year's expenses need not be deterred from beginning the year.

The President will gladly communicate with young men or young women desirous of working their way.

**LOANS AND SCHOLARSHIPS.****STUDENT AID.**

Every means is taken to assist worthy students to secure an education. It is realized by the President and the faculty that some of the best men and women we have are those that have worked their way through schools and colleges, and have thus

put themselves in a position to be more useful. At our own University many of the boys and girls are working their way, and these rank among the best in the University.

#### BOARD OF EDUCATION.

The chief source of student aid in our school is the fund held by the Board of Education of the Methodist Episcopal Church. This fund is loaned to worthy Methodist boys and girls, upon such conditions that the loans are not at all burdensome.

#### BOOTH FUND.

In addition to that which has been mentioned above, Hon. R. A. Booth, of Eugene, Oregon, placed in the hands of a special trustee \$1000 to be loaned to properly recommended students. This fund has accomplished a great deal, and quite a number of our students would have been compelled to leave the University had it not been for the help secured from this fund.

#### THE HOME SCHOLARSHIP.

The Oregon Children's Aid Society has made Willamette University trustee to handle a fund of approximately \$8000, the interest of which is to be used in educating orphans and half orphans of the state of Oregon who are students of the College of Liberal Arts in Willamette University, and who succeed in maintaining a standard of scholarship that is above the average.

#### ATHLETICS.

The need of physical exercise and training is apparent and universally conceded. It is the plan of the President and Faculty to keep in touch with this work in such a way as to eliminate evils and make athletics clean and productive of real benefit to the participants. A good gymnasium, and one of the best athletic fields in the country are among the advantages offered by the University. Classes in systematic gymnasium work are conducted by a competent director in the employ of the University.

Students having unsatisfactory scholastic rank may be debarred from match games.

#### LAUSANNE HALL.

(Named for the ship which brought missionaries to Oregon.)

This is a home-like and pleasant dormitory for young women. Board is \$3.25 per week, payable weekly in advance. Rooms are from 60 cents to \$1.75 per week, payable in advance.

### LABORATORIES.

In all progressive schools of modern times well-equipped laboratories form a principal element of strength in theoretical and applied sciences. In fact, without a laboratory an "applied" science would be out of the question. It is gratifying to note the progress Willamette University has made in the last few years in fitting up its laboratories.

The biological laboratory is supplied with gas, electricity, good tables and sinks, dissecting microscopes, compound microscopes, microtome, and other articles ordinarily used in microscopic and histological work.

In the department of physics our laboratory is well equipped with working apparatus for the use of students to give a strong course extending over more than three years of continuous work. The idea of practical experiments along engineering lines is introduced in the preparatory course and continued throughout the work; such, for instance, as strength of materials, elasticity of bending and torsion, coefficient of expansion, moment of inertia, etc. Besides the ordinary apparatus in electricity the laboratory is equipped with complete apparatus for X-ray work and wireless telegraphy, as well as with high-grade instruments for accurate quantitative measurements in both electricity, mechanics, light, sound and heat; thus opening to the student special fields of investigation beyond the three years of fundamental work. It is the purpose of the department to have the student lay a thorough foundation in fundamental principles, and to this end the courses are arranged to cover the ground, as near as conditions will permit, of the freshman and sophomore years as offered by our leading universities.

In Chemistry the laboratory equipment is ample for all the work commonly offered of college grade. The laboratory is arranged with private desk and locker, set of reagents, gas burner, etc., for each student; also a very large supply of chemicals for the sidetable, high-grade balance for delicate quantitative analysis, etc. Additions are being made from time to time in order to keep abreast with the general development of the science.

Several high-grade instruments have been secured for the surveying department, including the Y-level and engineer's transit with solar attachment, etc., sufficient for all necessary field work for a course extending through two years, and including plane surveying, mine surveying, hydrographic surveying, and railroad surveying.

The department of astronomy has instruments illustrating the meridian circle, altitude-azimuth instrument, sextants, globes and several small telescopes. Besides these there are several hundred lantern slides available on astronomical subjects, including an excellent set from the Lick Observatory.

#### UNIVERSITY EXTENSION.

This movement has spread into many sections of the country in connection with colleges and universities as centers. "The aim is:

First—To extend higher education to all classes of people.

Second—To extend education through the whole of adult life.

Third—To extend thorough methods of study to subjects of every-day interest."

University extension is designed to help those who desire definite instruction but cannot take a long or regular course.

A beginning in this department has been made in Willamette, a call for such work in economics having been made by a number of prominent people in Salem, with the result that a division was organized. Courses in Economics and Sociology have been given.

#### GRADUATE WORK.

Graduate instruction, leading to the Master's Degree, will be offered in a limited number of departments under the following conditions:

1. Candidates must have received the Bachelor's Degree from this University or one of equal rank.

2. Candidates must pursue a course of study outlined by the Faculty; or they must present evidence of having done post-graduate work equivalent to such course.

3. Candidates must submit an acceptable thesis to the professor under whom the work is done.

For information concerning fees and other conditions, address the President of the University.

# College of Liberal Arts

## TERMS OF ADMISSION.

A testimonial of good character is required of every student matriculating in Willamette University.

Every new student should bring a certificate of scholarship. This certificate should state: (1) each study pursued; (2) the text-book used; (3) the number of weeks devoted to the text-book and the number of recitations each week; (4) the portion of the text-book covered by the recitations; (5) the grade which the student has secured in each study; (6) the name of the school at which the studies were pursued; (7) the name of the teacher under whom the work was done.

It is very important that students register promptly upon the opening day of the semester, and every student will be expected to be in attendance at the first recitation of the semester.

An extra fee of \$1.00 will be charged each student who fails to register during the first two days of the semester.

***Students will not be admitted to any department of the University or to any of the classes of the affiliated schools until they have first registered in the office of the President.***

## REQUIREMENTS FOR ENTRANCE.

For entrance to the Freshman class fifteen units, or one hundred and fifty semester hours, are required. If a student presents thirteen units he may rank as a conditional Freshman, but should make up the remaining units at the earliest opportunity. A unit is earned by carrying a subject five times a week (not less than forty minutes each), for one year.

Graduates from accredited high schools whose courses vary somewhat from those of our Academy may, if they offer the full fifteen units, so adjust their work that graduation is possible in four years.

The following specific requirements are, however, insisted upon: English, 3 units; Foreign Language, 2 units; Algebra, 1½ units; Plane Geometry, 1 unit; History, 1 unit; Physics, 1 unit. The remaining 5½ units may be elected from subjects offered by accredited high schools, 2 units of which should be Foreign Language,\* thereby reducing the number of units to be taken in college.

\*Students preparing for the University are strongly urged to take at least two years of Latin, which is definitely required for the Language and Literature Group.

Candidates for advanced standing must give evidence of fitness either by examination or by credentials from another institution.

### GRADUATION.

The amount of work in all departments and courses is stated in semester hours. A semester hour is one recitation period per week for one semester, and is called a credit.

The completion of 120 semester hours, exclusive of physical training, above the Academy courses, with all entrance requirement satisfied, is required for graduation from any course.

### COLLEGE COURSES.

The departments of study are arranged in the following groups, either of which leads to the degree of Bachelor of Arts:

I.	II.	III.
LANGUAGE AND LIT- ERATURE.	PHILOSOPHICAL	SCIENTIFIC.
English	Philosophy	Mathematics
English Literature	Psychology	Botany
Biblical Literature	Ethics	Zoology
Latin	Education	Physiology
Greek	History	Physics
German	Economics	Chemistry
French	Sociology	Geology
Spanish	Political Science	Astronomy

For graduation from the College of Liberal Arts the requirements are the satisfactory completion of a few prescribed subjects, as fundamental, required electives within each of the three groups, together with a major elected in some department, and sufficient free electives to make a total of at least 120 semester hours.

The following are the prescribed subjects to be taken during the course, as indicated in the suggestive outline of courses, page 23, or in the several departments:

English, 10 hours	Mathematics, 6 hours
Biblical History, 4 hours	Economics, 6 hours
Biblical Literature, 4 hours	Philosophy, 10 hours
European History, 6 hours	Science, 6 hours.
Foreign Language, 12 hours*	

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\*Students who offer only two units of Foreign Language for admission will be required to take two additional years before graduation, making a total of six years Foreign Language (including that offered for admission), required for the degree of B. A.

The required electives, including those of the Freshman year, must be at least twenty-four hours from Group I and at least eighteen hours from each of Groups II and III.

The major of not less than eighteen hours nor more than twenty-four hours, may consist wholly of studies in one department (if offered), or partly of studies in a cognate department, so chosen as to make a consistent program. The studies constituting the major are to be elected with the approval of the head of the department in which the major is taken.

## Suggestive Outline of Courses Leading to the A. B. Degree

(Stated in semester hours, one-half being taken each semester.)

I. LANGUAGE AND LIT- ERATURE GROUP.  (Classical)	II. PHILOSOPHICAL GROUP.	III. SCIENTIFIC GROUP.
<b>Freshman.</b>	<b>Freshman.</b>	<b>Freshman.</b>
Latin or Greek..... 6	Foreign Language... 6	French .....10
English Literature .. 6	English Literature .. 6	Chemistry ..... 6
Rhetoric ..... 4	Rhetoric ..... 4	Rhetoric ..... 4
English Bible ..... 4	English Bible ..... 4	English Bible ..... 4
Mathematics* ..... 6	Mathematics* ..... 6	Mathematics* ..... 6
College Oratory ..... 4	College Oratory ..... 4	College Oratory ..... 4
<b>Sophomore.</b>	<b>Sophomore.</b>	<b>Sophomore.</b>
Latin or Greek..... 6	Foreign Language... 6	French ..... 8
Language or Literature 8	Language or Literature 8	Analytics and Calculus 8
European History ... 6	European History ... 6	European History ... 6
Psychology ..... 4	Psychology ..... 4	Psychology ..... 4
Zoology ..... 6	Zoology ..... 6	Zoology ..... 6
<b>Junior and Senior.</b>	<b>Junior and Senior.</b>	<b>Junior and Senior.</b>
Electives required in— Language and Litera- ture Group .....16	Electives required in— Philosophical Group .16	Electives required in— Scientific Group ....16
Philosophical Group..10	Scientific Group ....10	Language and Litera- ture Group .....10
Scientific Group ....10	Language and Litera- ture Group .....10	Philosophical Group..10

A Major and Free Electives sufficient to complete the total number of semester hours required for graduation.

\*See Department.

It is designed by the requirement of prescribed subjects to lay a broad foundation for a liberal education and by the requirement of certain hours in each group (not subjects, which are elective within the groups) to bring the student into fuller contact with the main divisions of modern study, thereby securing breadth of culture, while the requirement of a major secures concentration and continuity in some one department.

At the same time the major permits specialization, which with the free electives enables one to correlate his work in Liberal Arts with a professional course.

Certain credits are given for work in the Schools of Theology, Law and Medicine. Students in these schools, which are all on the campus thereby affording unusual opportunities, are permitted to elect work in the College of Liberal Arts. Students in the College of Liberal Arts may elect work in these schools.

Those who specialize in the Sciences even more than is possible in the Scientific Group leading to the A. B. Degree and take less Foreign Language, will be given the B. S. Degree.

#### TUITION AND FEES.

Tuition is as follows:

College of Liberal Arts, \$20 per semester; \$40 per year.

An incidental fee of \$10.00 each semester will be charged each regular College student.

Two dollars each semester of the incidental fee of the College of Liberal Arts and Academy students will be used for the support of athletics and other student affairs under the direction of the Board of Trustees.

Laboratory fees: Chemistry, Physics, Biology, \$3.00 each semester. Diploma, \$5.00.

Dependent children of ministers in the regular work of the ministry, and students preparing for the ministry, who are duly recommended by the church in which they hold membership, pay one-half the regular tuition.

Tuition is by the semester. Those wishing to register will come prepared to pay their tuition on registration.

#### EXPENSES.

The following are estimates of the principal expenses for one college year of thirty-six weeks:

	<i>Low.</i>	<i>Average.</i>	<i>High.</i>
Board and room, with fuel and light.....	\$ 90	\$126	\$180
Tuition and incidental fees .....	60	60	60
Books .....	5	8	15
Fees .....	6	12	18
	\$160	\$204	\$270

The \$90 estimate is based on boarding one's self.

A few students succeed in reducing expenses a little below the lowest estimate above.

### SPECIAL STUDENTS.

Applicants for particular studies who are indifferent to the degree will be admitted, so far as they may be able to accommodate themselves to the schedules. If such students should subsequently desire to become candidates for the degree they will receive credit for all work done. Unclassified students will not receive a diploma of any kind from the College.

Persons of serious purpose and suitable maturity of mind, who have not made the usual preparation for college, will be admitted to such subjects as they may elect. Students of this class cannot change their relation to that of candidate for the degree except by examination upon presupposed work, including the requirements for admission.

The University registration fee of \$2.00 each semester will be required of special students.

## Description of Courses

### PHILOSOPHY.

FREDERICK CRAMER, *Professor.*

1. *Psychology.* A study of mental phenomena and their laws. Primarily for Sophomores. Two hours throughout the year.
2. *Logic.* Practice in clear and accurate thinking and study of its laws. Three hours, first semester.
3. *Ethics.* A presentation of the principals of morality and their development. Three hours, second semester.
4. *Introduction to Philosophy.* An elementary study of the problems with which philosophy has to do. Two hours, second semester.
5. *History of Philosophy.* A study of the development of philosophical thought and the various systems formed in answer to philosophic inquiry. Three hours throughout the year.
6. *Christian Evidences.* A study of the fundamentals of Christianity and the value of Christian experience. Three hours, first semester.

### EDUCATION.

MARY E. REYNOLDS, *Professor.*

The work of this department affords those who are preparing

to teach, opportunity to become acquainted with the methods and results of the various phases of modern pedagogy.

Observation work will be carried on during the two years teachers' course. Inasmuch as the intention is to develop teachers along sane, practical, efficient lines, no spectacular methods will be employed for advertising purposes. "Best methods to make best teachers," will be the motto of this department.

In addition to the free electives and the electives required within groups which may be chosen in the subjects which one expects to teach, a major and some free electives may be taken in this department. Some of the special subjects are: Pedagogical Psychology, Principles of Teaching, History of Education, Pedagogy, including White's Art of Teaching and several other texts.

In connection with the work of this department some knowledge of Biology and Sociology is very desirable and should be acquired by those making a major in Education.

### PHYSICS.

F. VON ESCHEN, *Professor.*

1. *Mechanics, Sound, and Heat.* Lectures, recitations and laboratory work. This is the first half of a course covering the entire subject. The purpose is to lay a foundation of general principles in view of further study through advanced courses and laboratory work, and to furnish a body of physical knowledge and an introduction to the scientific method and spirit suited to the needs and aims of a liberal education. Entrance Physics is required. A laboratory fee of \$3.00 is charged for this course. Three hours, first semester.

2. *Electricity, Magnetism, and Light.* Lectures, recitations and laboratory work. This course completes the general view of Physics which the first year's work is designed to give, and aims to furnish that acquaintance with electric, magnetic, and optical phenomena and theory and with the practical applications, which is desirable for the liberally educated man, and necessary for the special student in science. Course 2 must be preceded by Course 1. A laboratory fee of \$3.00 is charged for this course. Three hours, second semester.

3. An advanced course in Mechanics.

4. An advanced course in Electricity and Magnetism.

5. An advanced course in Heat and Light.

Courses 3, 4 and 5 may be taken by students prepared for the same. For requirements, hours, and fees, consult the head of the department.

**CHEMISTRY.**F. VON ESCHEN, *Professor.*

1 and 2. *General Advanced Inorganic Chemistry.* Lectures, recitations and laboratory work. This course deals with the fundamental facts and principles of the science. Lectures are given and recitations required, either upon the lectures or upon subjects assigned in the text-book. The laboratory work is arranged to illustrate and confirm the subjects considered in the lecture room. The principal elements, both non-metallic and metallic, are studied, and their chemical combinations considered. Students take full notes of their work and are examined upon it. Chemistry 1 and 2 are open only to students who have received entrance credits in Chemistry. A laboratory fee of \$3.00 is charged for this course. Three hours throughout the year.

3 and 4. *Qualitative Analysis.* This course consists of a systematic study of the principal metals and acids and methods for detecting them in simple and complex mixtures. Lectures and laboratory work. A laboratory fee of \$5.00 per semester is required. Three hours throughout the year.

5. *Assaying.* This course comprises silver and gold extraction by scorification and crucible methods; fire assay of copper, lead and tin, extraction of gold from ores by the amalgamation, the chlorination, the cyanide and the electrolytic process. A fee of \$3.00 per semester is required. Two hours, either semester. Hours to be arranged.

6. *Quantative Analysis.*

7. *Water and Milk Analysis.*

8. *Iron, Steel and Copper Analysis.*

9. *Sanitary Chemistry and Food Analysis.*

10. *Organic Chemistry.*

Note.—For the year 1909-10 such elective courses, selected from Courses 6, 7, 8, 9, 10, or from others which are practicable, will be given as the time of the instructor will admit, and the wishes of the qualified students will justify. It is desired that those contemplating such work confer with the instructor as early as possible.

A deposit of \$5.00 is required in all courses in Chemistry as a breakage fee. Loss by damage or destruction of apparatus will be deducted from the deposit and the balance refunded at the close of the semester.

**GEOLOGY.**F. VON ESCHEN, *Professor.*

1. *General Geology.* This course aims to give an elementary survey of dynamic, structural, physiographic, and historical geology, and of minerals, rocks, and fossils, to show the student

the nature of the field covered by geological study. Excursions are made to points in the vicinity where geologic processes and forms are illustrated. An elementary knowledge of physics and chemistry is required. Five hours, second semester.

2. *Mineralogy, Descriptive and Determinative.* Lectures and laboratory. The course involves a study of elementary crystallography, the determination of unknown minerals by means of their physical and chemical properties and tests and the descriptive study of typical minerals found in the College collection. The object is to familiarize the student with the common minerals about him and to enable him to recognize them on coming in contact with them in the field. Prerequisite, elementary course in Chemistry. A laboratory fee of \$3.00 per semester is required. Three hours.

3. *Economic Geology.* A study of the mineral resources of the United States, including: (a) The non-metallic products; fuels—coal, petroleum, gas; building and structural materials—stone, marble, slate, clay, cement, etc.; miscellaneous products—phosphates, mineral paints, mineral waters, salt, borax, etc. (b) The metal-bearing minerals; the origin and formation of ore-bodies; the ores of iron, copper, lead, zinc, gold, silver, etc.; the extraction and use of the metals. (c) Soils—their nature and origin. Three hours.

#### ASTRONOMY.

F. VON ESCHEN, *Professor.*

1. *General Astronomy.* A rapid survey of the fundamental concepts of astronomy. Supplemented by a direct study of the sky and by quizzes and examination upon an assigned text. Freshmen will be admitted to this course only by special permission in each case. Five hours, first semester.

#### BIOLOGY.

M. E. PECK, *Professor.*

The aim of the instruction in this department is to present the general principles of Biology through a more or less detailed study of several important types, representative of each of the large phyla of the animal and vegetable kingdom.

1. *Invertebrate Zoology.* A survey of the several types of invertebrates, beginning with a brief microscopic study of the Protozoa, and advancing through the higher groups in the order of their natural succession. Some relation is given to the biology of each group, and to its relation to human economy. The outlines followed in the laboratory work are designed to enable the

student to draw his conclusions independently on the great fundamental principles of animal morphology. One lecture and four hours of laboratory work, first semester.

2. *Vertebrate Zoology*. A study of chordate animals, beginning with the lampreys and proceeding in the same manner as in the invertebrate work. Each group is carefully compared with those above and below it, and each in turn with man. Only four or five types are studied during the semester, but these in sufficient detail to give the student a fairly comprehensive knowledge of vertebrate anatomy. One lecture and four hours of laboratory work, second semester.

3. *Botany*. This work follows the same general plan as that of the courses in Zoology, though necessarily the laboratory portion of it is mainly microscopic. Beginning with the simplest forms, slime moulds and bacteria, each group in turn is studied and compared with others and its limits defined. Plant physiology, ecology, etc., are given due attention. One lecture and four hours of laboratory work throughout the year.

4. *Human Physiology and Anatomy*. This course takes up somewhat in detail the structure of the human body. While not technical, it aims to give the student such a comprehensive knowledge of the subject as every well-informed person should possess. The subjects of hygiene and sanitation receive considerable attention. Text, lectures, and laboratory. The course in Vertebrate Zoology is a prerequisite to this.

Note.—In all these courses two hours of laboratory work count as one prepared recitation.

## ENGLISH LANGUAGE AND LITERATURE.

WILLIAM E. KIRK, *Professor*.

### I. RHETORIC AND ENGLISH COMPOSITION.

1. *Rhetoric and English Composition*. Critical study of rhetorical principles, based on Genung's Working Principles of Rhetoric. Two hours, both semesters.

2. *Advanced Composition*. A practical course in descriptive and narrative prose. Analytical study of Poe, Hawthorne, Maupassant, Kipling and others. Two hours, both semesters.

3. *Studies in Orations and Debates*. Practice in making analyses and briefs. Baker and Huntington's Principles of Argumentation. Two hours, both semesters.

### II. ENGLISH LITERATURE.

1. *History of English Literature*. A survey of the development of English literature from Beowulf to the present time. Special class study of Chaucer, Spenser, Milton and other repre-

sentative authors. Library readings and written reports. Manly's English Poetry and Pancoast's Standard English Prose. Three hours, both semesters.

2. *Shakespeare*. A critical analysis of eight plays. Three hours, both semesters.

3. *Nineteenth Century Poetry*. Studies of the leading English poets from 1798 to 1900. Page's British Poets of the Nineteenth Century. Two hours, both semesters.

4. *History of American Literature*. Written studies in the leading American authors. Library readings and reports. Two hours, both semesters.

5. *Old and Middle English and History of the English Language*. Readings from Bright's Anglo-Saxon Reader, and Beowulf. Selections from Middle English texts. Four hours, both semesters.

6. *Browning*. Written studies of Luria, Pippa Passes, Return of the Druses, parts of The Ring and The Book, and Sordello. Two hours, both semesters.

7. *Advanced Studies in the Drama*. Studies in the beginning and development of the English drama, with special attention to the dramatic art of Shakespeare. Two hours, both semesters.

#### HISTORY AND SOCIAL SCIENCE.

GAYLORD H. PATTERSON, *Professor*.

G. J. SWEETLAND, *Assistant in History*.

The aim of the department is to present history as a real educative process. The evolution of European civilization from its sources, and the growth and influence of Anglo-Saxon institutions constitute the general theme. Economic, social and political life in ancient, mediaeval and modern times are studied in the rise and fall of nations and in the evolution of institutions; present conditions being kept constantly in view and American conditions being specifically analyzed so that the student is qualified for intelligent, responsible citizenship, in addition to receiving great cultural benefit from the investigations.

#### I. HISTORY.

1a. *Mediaeval European History*. A study of the economic, social, religious and political conditions in Mediaeval Europe which contributed to the formation of the States of Modern Europe. Three hours, first semester.

1b. *Modern European History*. An examination of the formation of the modern states and of the great struggles growing out of their development. Three hours, second semester.

1a and b are primarily for Sophomores.

2a. *Early American History.* The founding of the colonies, the struggle between the states of Europe for domination in America, the growth of the movement for independence and the formation of the Union constitute the subject matter of this course. Two hours, first semester.

2b. *United States History.* States rights doctrine, Nullification, Secession, Civil War and Reconstruction. Topical analyses and special assignments, such as Internal Improvements, Political Parties, Slavery, Land Policy, etc., will be made, the sources in government publications and the writings of the statesmen, etc., being freely used. Two hours, second semester.

3a. *The Founding of the English State.* The establishment of the English constitutional monarchy; the development of the parliamentary and judicial systems. Two hours, first semester.

3b. *The Constitution of the British Empire.* The growth of democracy and the development of local self government under the Stuarts and the House of Hanover. The economic, social, literary and religious life are studied in relation to political development. Two hours, second semester.

(Courses 2a and b, and 3a and b alternate, being elective for Juniors and Seniors.)

Other courses in History open as electives to Juniors and Seniors may be found described in the department of English Bible and Christian Missions.

Church History and History of Christian Thought, given in the School of Theology, are open as electives.

## II. SOCIAL SCIENCE.

1a. *Principles of Economics.* An introduction to the principles which underlie different economic relations and institutions. Three hours, first semester.

1b. *Problems of Economics.* A detailed examination of economic principles applied to such problems as credit and banking, labor, trusts, transportation, taxation, etc. The aim is to make the method of work such as to foster a judicial spirit and an attitude of scholarly independence. Three hours, second semester.

(1a and b are primarily for Juniors.)

2. *Comparative Politics.* The method is historic as well as comparative, beginning with a study of the origin, development and purpose of the state, and passing to a comparison of the governments of France, Germany, England, and the United States, giving the main attention to the latter. Three hours, first semester.

3. *Jurisprudence.* A study of the nature and divisions of law,

and of the rights and duties of men in their business, civic, and family relations. Three hours, second semester.

4. *American Government.* An investigation of fundamental principles and of the actual workings of national, state and local administration, with particular emphasis upon the condition and rule of cities and the relation of the citizen to public affairs. Three hours, first semester.

5. *Sociology.* An inquiry into the nature of society, the course and factors of social progress with a view to discovering those policies of society which make for future improvement. Three hours, second semester.

(Courses 2 and 3 alternate with 4 and 5, being electives for Juniors and Seniors.)

Other courses in Social Science open as electives to Juniors and Seniors are 4a and b in the department of English Bible and Christian Missions.

### ENGLISH BIBLE AND CHRISTIAN MISSIONS.

GAYLORD H. PATTERSON, *Professor.*

The aim of this department is to vitalize the history and literature of the Bible. The work of the department is intended to familiarize the student with that great monument of our literature, the English Bible, and with the great civilization back of the Bible, without touching questions of doctrine or belief.

1. *Introduction to the English Bible.* A general survey of the history of the English Bible as a series of translations from the original languages, with particular reference to the evolution of its English and its influence upon our English as well as to its literary character and influence upon English literature, passing to a study of its origin, growth and canonization as seen in particular periods of history and types of literature, which affords an insight into the meaning of revelation and inspiration. Two hours, both semesters.

2. *Biblical History.* Treating the social and political life of Israel through the stages of nomadic origin, settlement of the monarchy, dissolution of the state, the Babylonian, Persian, Greek and Roman domination, to the fall of Jerusalem, 70 A. D., noting the development of religious life under prophets, priests and kings and under Jesus Christ and the apostles as seen in the literature representing each. Two hours, both semesters.

(Courses 1 and 2 are designed for Freshmen and Sophomores, and may be given in alternate years.)

3a. A study of Hebrew Prophecy and the Psalms, noting in both the development of religious life. Two hours, first semester.

3b. A study of some of the Epistles of the New Testament, the circumstances of their origin, etc. Two hours, second semester.

4a. *History of Religions*. A survey of the principal religions of the world with an inquiry into their origin, development and contribution. Two hours, first semester.

4b. *History and Development of Christian Missions*. Noting their relation to commerce and social progress. Two hours, second semester.

(Courses 3a and b alternate with 4a and b, being electives for Juniors and Seniors.)

Courses in the Old and New Testaments in the original languages, given in the School of Theology, are open as electives.

### MATHEMATICS.

JAMES T. MATTHEWS, *Professor*.

1. *Trigonometry*, with applications to Surveying. The general formulas, practical applications of the solutions of triangles, the theory of logarithms, and trigonometric equations. Surveying will be taught practically, with instruments, the last few weeks of the course. Three hours, throughout the year. (See Advanced Algebra in Academy, page 51.)

2. *Analytic Geometry*. Including the straight line, circle, parabola, ellipse, hyperbola, and some of the higher curves. Four hours, first semester.

3. *Calculus*. Differentiation and easy integration. Four hours, second semester.

4. *Calculus*. A continuation of Course 3. Expansion of functions, areas, volumes, lengths of curves, center of gravity, pressure of liquids. Four hours, throughout the year.

### GREEK AND LATIN.

EDWIN SHERWOOD, *Professor* (1907-1909)

Professor of Greek 1909—

The aim of this department is to guide the student in forming the acquaintance of the representative Greek and Roman authors whose works have proven their permanent literary value, and to prepare him to enjoy and appreciate them; at the same time furnishing the mental discipline and training in the habits of accurate thinking for which the study of the classics is so admirably adapted. The emphasis is laid on the quality of the work, rather than on the quantity to be covered, and yet the aim is to take in as large a field as is consistent with thoroughness.

Courses above number 4 in Greek and number 8 in Latin may not all be given in any one year, while the order of their presentation will depend somewhat on the number and needs of the students enrolling for them. Courses as numbered are for one semester each.

GREEK.

EDWIN SHERWOOD, *Professor.*

Courses 1-4 are preparatory for classical students.

1-2. Beginning Greek with selections from Xenophon's *Anabasis*. Five hours.

3-4. Four books of Xenophon's *Anabasis* completed, with Prose Composition. Homer's *Iliad*, Books I-III. Five hours.

I. Selections from Homer's *Odyssey* or from Xenophon's *Memorabilia*. Three hours.

II. Studies in Herodotus and Thucydides, or selections from Demosthenes and Lysias. Three hours.

III. Plato's *Apology of Socrates* and *Krito*, with studies in Greek Philosophy.

IV. Studies in Greek Drama, Euripides' *Alcestis*, Aeschylus' *Prometheus Bound*, Sophocles' *Oedipus Tyrannus*. Three hours.

V-VI. Studies in the Greek New Testament, the portions read being varied from year to year. Two hours.

LATIN.

(Chair to be filled.)

(For Courses 1-8 see Academy, page —.)

I. Selections from Livy, or Cicero, *De Senectute* and *De Amicitia*. Three hours.

II. Horace, *Odes* and *Epodes*, with selections from Catullus. Three hours.

III. Latin Comedy, Plautus' *Captivi* or *Trinummus*, and Terence's *Andria* and *Phormio*. Three hours.

IV. Tacitus' *Agricola* and *Germania*. Three hours.

V. Horace's *Satires* and *Epistles*, or selections from Tibullus, Propertius, and Lucetius, with studies in the history of Roman Literature. Three hours.

VI. Cicero, *De Natura Deorum*, or Letters of Cicero and Pliny, with studies in the Private Life of the Romans.

GERMAN, FRENCH, SPANISH.

LOUIS BACH, *Professor.*

The aim in view is practical use, in whatever direction that may be. By this both the method and the plan of the instruction

are determined. Everything is so arranged as to provide the student with a reliable working basis for industrial, commercial, literary or scientific pursuits.

#### GERMAN.

I. *Elementary Course.* Joynes-Meissner's German Grammar with oral and written exercises. Reading of at least 100 pages of graduated texts. Memorizing of choice poems. Five hours, throughout the year.

II. *Intermediate Course.* Advanced grammar with corresponding composition and oral exercises. Reading of about 400 pages of intermediate texts in prose and verse. Memorizing of selections from texts read. Four hours, throughout the year.

III. *Advanced Course.* German Syntax. Reading from classical authors as well as from representative historians and scientists. Oral reports in German and written summaries in German of texts read. Three hours, throughout the year.

#### FRENCH.

I. *Elementary Course.* Fraser and Squair's French Grammar, Part I, with copious oral practice and written exercises. Special verb drill. Reading of at least 100 pages of modern prose. Memorizing of selections. Five hours, throughout the year.

II. *Advanced French.* Fraser and Squair's Grammar, Part II, with composition and oral practice. Reading of about 400 pages of representative texts. Memorizing of selections. Four hours, throughout the year.

#### SPANISH.

I. *Elementary Course.* Spanish Grammar. Hills and Ford, with exercises oral and written. Reading of 150 pages of graduated texts. Memorizing of selections. Three hours, throughout the year.

II. *Advanced Course.* Spanish Grammar, by Hills and Ford continued. Composition. Reading of standard texts. Memorizing of selections. Conversational practice. Three hours, throughout the year.

#### GERMAN BIBLE.

FREDERIC CRAMER, *Professor.*

It is the aim of this department to exercise some special supervision over the work of students coming from the bounds of the Pacific German Conference, and to provide special instruction in the German language for such students. In 1908-

1909 the following courses were offered, all instruction being given in German:

1. *German Grammar*. Text-book by Lyons. Writing of compositions.

2. *German Bible*. Kurtz, "Biblishche Geschichte," was used as a text-book and special investigation in the Bible itself was constantly carried on.

Similar courses will be offered in 1909-1910, according to the needs of the students.

### ORATORY.

SARA BROWN SAVAGE, *Professor*.

1. *Rendering*, critical study of English poetry, the great English and American orators. Recitations and original oration. Extemporaneous speaking, platform, deportment, and personal control. Two hours.

2. Advanced work in rendering, theory and philosophy of expression. Practical work in analysis, voice and physical culture; responsive drill. Pantomime—corrections of defects and mannerisms in bodily expression; study of emotion in its effect upon voice and gesture. Platform Art—reader's technique; character delineations; arrangements of programs; choice, abridgement and adaptation of selections for public reading; writing of introductions. Interpretative study of Hamlet or Macbeth. Three hours.

### PHYSICAL CULTURE.

G. J. SWEETLAND, *Director*.

Courses for both men and women are offered. The work given is systematic and progressive, organized with the following ends in view: Balanced strength of bodily members, harmony, grace and precision of movement, and responsiveness of body to mind.

1. *For Young Women*. The work embraces free standing exercises, running, walking, and aesthetic gymnastics in the way of drills; exercises with light hand apparatus, gymnastic games, and other beneficial exercise.

2. *For Young Men*. Systematic class-work in gymnastics. This consists of breathing exercises, free movements, vigorous exercises with dumb-bells, Indian clubs, and wands, besides a graded course of exercises upon various pieces of apparatus, and such other exercises as may be necessary for the benefit of the students.

All students will be required to take such physical exercise as may be necessary, in charge of the physical director.

# School of Music

FLETCHER HOMAN, A. M., S. T. B., D. D., *President.*

FREDERIC S. MENDENHALL, A. B., A. M., *Dean.*

The School of Music has experienced one of the most successful years of its history. The courses of study have been entirely revised and the requirements for graduation are such as will fully equal those of any good musical college in the Eastern States. The school maintains in connection with its regular work a Glee Club, a Ladies' Musical Club, a Choral Society, embracing a large membership, and a splendid choir organization of forty members, to all of which music students are eligible. The school offers full and complete courses in Piano, Organ, Violin, Voice, Harmony, Counterpoint, Composition, Theory, History, and Sight Reading. The instruction is both private and in classes, and each course leads to a certificate, a diploma, or a degree.

Students may enter at any time, but private pupils will be required to register for at least one full term of twelve weeks, except those who enter during the last fourteen weeks of the school year, who will be required to register for the number of weeks remaining up to Commencement week. The school year conforms to that of the College of Liberal Arts, but is differently divided in private work, which is separated into three terms as follows: Term I, twelve weeks, up to Christmas vacation; Term II, twelve weeks, up to spring vacation; Term III, ten weeks, up to Commencement week. Students entering at the beginning of a regular term or within the first two weeks thereof will be charged tuition in full for that term. Class-work is divided into two semesters of seventeen weeks each, and all students taking class-work will be required to register in full for one semester. Those entering after the beginning of a semester will be charged full tuition regardless of the time of entrance.

The rates of tuition payable in advance are:

## PRIVATE LESSONS.

Piano, Violin, Voice—

Two 30-minute lessons a week, per term.....\$24.00

One 30-minute lesson a week, per term..... 16.00

Theoretical Subjects—

Two 30-minute lessons a week, per term..... 24.00

One 30-minute lesson a week, per term..... 16.00

**Pipe Organ—**

One 60-minute lesson a week, per term..... 36.00

**CLASS LESSONS.**

Two 45-minute lessons a week, per semester.....\$10.00

One 45-minute lesson a week..... 6.00

**PIANO COURSE.**

The piano work is divided into seven grades, the completion of five grades being necessary for a certificate, the completion of six for graduation and a diploma. The seventh grade is graduate work leading to the degree of Bachelor of Music. Certain other studies are required for those taking a regular course leading to a certificate, a diploma, or a degree. Following is a general outline of the course of piano studies for the six grades leading to graduation. This course is subject to change or revision at any time according to the individual needs of the pupil. The time required to complete the course depends on the aptitude and perseverance of the pupil. Upon entering the school, students will be placed as far along in the course as possible and will be advanced as rapidly as is consistent with thorough work.

Grades I-II. Kohler, Op. 190, 151. Loeschhorn, Op. 65. Finger Exercises, Scales and Arpeggios. Loeschhorn, Op. 66. Duvernoy, Op. 120. Bertini, Op. 100. Heller, Op. 47.

Grade III. Czerny, Op. 299. Heller, Op. 45, 46,. Bach, Short Preludes and Fugues. Krause, Trill Studies. Low, Octave Studies.

Grade IV. Czerny, Op. 740. Schmitt, Op. 16. Cramer, 50 Studies. Kullak, Octaves. Heller, Op. 16. Loeschhorn, Op. 67. Bach, 2 and 3 Part Inventions.

Grade V. Czerny, Op. 337. Clementi, Gradus. Moscheles, Op. 70. Haberbier, Op. 53. Bach, Well Tempered Clavichord.

Grade VI. Czerny, Op. 365. Tausig, Daily Exercises. Chopin, Op. 10, 25. Henselt, Op. 2. Difficult Etudes of Various Kinds.

Compositions suitable to the various grades are given as frequently as is expedient, both for study and recreation.

The other courses are equally complete and thorough and are in the hands of the highest grade instructors.

The School of Music is well equipped with grand and upright pianos, so that students may arrange for practice periods in the building at a small rental.

For information address F. S. Mendenhall, Dean.

The University registration fee of \$2.00 per semester will be required of each student.

# School of Oratory

FLETCHER HOMAN, A. M., S. T. B., D. D., *President.*

SARA BROWN SAVAGE, O. M., *Dean.*

MAY BELLE ADAMS, *Assistant.*

It is the design of this department to develop natural orators, not artificial ones.

## Courses of Instruction

### ACADEMY EXPRESSION.

*First Semester.* Articulation, inflection, quality of tone, pitch, force, tune, volume, modulation, power, brilliancy and abandonment in reading, elementary gesture.

*Second Semester.* Rhythm, music and imagination in rendering, personality in rendering, relations of values and taste, recitations and declamations with individual criticism.

### COLLEGE ORATORY.

Rendering; critical study of English poetry, the great English and American orators, and of Shakespeare's dramas; recitation and original orations; bearing, platform deportment and personal control; the speaker's relation to his audience; extemporaneous speaking; Bible and hymn reading. Two hours.

### EVOLUTION OF EXPRESSION.

Fundamental work for the personal development of the student. The evolution of the art of expression by (1) arousing interest in the subject; (2) retaining and strengthening interest; (3) determination to make others appreciate it; (4) a clear presentation of the subject. Attention to the forms of emphasis, force, pitch, volume and time. Platform deportment and elementary gesture. Careful preparation and individual drill upon selections from the best literature in both prose and poetry, as well as great orations and essays. Three hours.

### PHYSICAL AND VOICE CULTURE.

Psycho-physical culture exercises for freeing the body, developing muscular sense, and securing poise, unity, harmony and responsiveness. Responsive work. Gesture chart for the direction and guidance of the student in interpretation. Study of hygienic and aesthetic value of exercises. Exercises for correct placing and free production of tone, for developing resonance,

sustained power, flexibility, and radiation. Relation of breathing to tone production. Character and realms in tone. Normal work. Two hours.

#### PHILOSOPHY OF EXPRESSION.

Advanced work in rendering, pantomime. Emerson and Delsarte philosophy and criterions of expression. Practical analysis; responsive drill for voice and body. Correction of defects and mannerisms in bodily expression; translation of gesture at sight; study of emotion in its effect upon voice and gesture. Platform art; character delineations; arrangement of programs; choice, abridgement and adoption of selections for public reading; writing of introductions; dramatization of short stories. Interpretive study of Hamlet and Macbeth. Three hours.

#### COURSE FOR GRADUATION IN EXPRESSION.

Three years of class-work in Physical and Voice Culture and Expression. Five to nine hours per week.

Private lessons, two forty-minute lessons per week.

The English Composition of first year, Rhetoric and Literature of second year, Literature of third year, Literature of Freshman year, and Literature of Sophomore year.

The General History of the first year.

Repertoire material for one evening program. Practice recitals. Normal work.

This outline covers the work for the entire three years.

#### RECITALS.

Several recitals are given during the year. These recitals are a part of the required work of the school and are designed to give students frequent opportunity to come before an audience.

#### TUITION.

The tuition for class-work is \$18.00 per semester for ten to twelve hours; \$13.00 per semester for seven to nine hours; \$10 per semester for five to six hours. The tuition for private lessons is \$13.50 for eighteen one-half-hour lessons; \$18.00 for eighteen forty-minute lessons.

The University registration fee of \$2.00 per semester will be required of each student.

Those who contemplate entering the school are requested to write early, giving a description of past education, purpose in taking up the work, etc. Address, Sara Brown Savage, O. M., Dean of the School of Oratory, Salem, Oregon.

# School of Theology

FLETCHER HOMAN, A. M., S. T. B., D. D., *President.*

HENRY D. KIMBALL, D. D., *Dean.*

The Dean is ably supported in the work of this school by thoroughly qualified instructors.

While many of the students are under the instruction of Dean Savage of the School of Oratory, all are required to give one hour a week to Liturgics under Dean Kimball. Besides practice in Scripture, Ritual and Hymn reading, occasional lectures have been given by the professor on such subjects as: The Minister Conducting Public Worship; The Minister in the Sick-room; The Minister at the Funeral; The Minister at the Wedding.

We confidently appeal to presiding elders and pastors to encourage young men who intend to enter the ministry, and such as have entered it without a needed equipment, to avail themselves of the advantages here offered. Three years spent in this school will give added power for their lifework and added comfort to them in their work. The next school year will open September 28th.

## COURSES OF INSTRUCTION.

*First Year.* Theism, Theology, Anthropology, Homiletics, Logic, Church History, Hebrew, Greek, Bible History, Liturgics.

*Second Year.* Christology, Soteriology, Eschatology, Psychology, Hermeneutics, Sacred Rhetoric, Church History, Hebrew Exegesis, Ethics, New Testament Greek and Exegesis, Old Testament Introduction, New Testament Introduction.

*Third Year.* Natural and Revealed Theology, History of Doctrine, N. T. Greek Exegesis, Hebrew Exegesis, Comparative Religions, Pastoral Theology, Biblical Theology, Liturgics.

In 1909-10 courses in English Exegesis will be offered, Hebrew being elective. Extra courses in Philosophy and Sociology will also be offered.

## AIM OF THE COLLEGE.

To assist young men who seem to themselves and to the Church to be called of God to the Christian ministry to qualify themselves spiritually and intellectually for their great work. The teaching must therefore be held in alignment with that of our Lord and His apostles. Those of either sex who, while not contemplating the work of the ministry, desire to fit themselves for larger usefulness in Christian work will be admitted to all

class privileges upon the same terms as candidates for the ministry.

#### METHODS OF INSTRUCTION.

*By Text-books and Lectures.* The student will be required to study the text-book designated in each department, and his faithful compliance with this requirement will be tested each day by oral questioning. The instructor will lecture on the topics under study as often as may seem needful to the students' clear apprehension and fuller knowledge of the subject.

#### TERMS OF ADMISSION.

1. The Degree Course is open only to such as have taken the degree of B. A., or its equivalent, in some College of Liberal Arts. Such students on completing the required course and passing examination will receive the degree of Bachelor of Divinity.

2. Those whose preparation is more limited, but embraces at least the fundamentals of an English education, may be admitted and, on completing the full course and passing satisfactory examination, will receive the Diploma of the School.

3. Those who may find it impracticable to take the required course may take elective studies and will receive a certificate of work accomplished. It will be required of all students to present a certificate of Christian standing signed by the pastor of the church to which they belong.

#### TUITION AND FEES.

A tuition fee of \$11.25 will be required of each candidate before registering, and the same sum at the beginning of each successive term during the entire course.

The University registration fee of \$2.00 per semester will be required of each student.

# School of Medicine

FLETCHER HOMAN, A. M., S. T. B., D. D., *President.*

W. H. BYRD, M. D., *Dean.*

The Medical School of Willamette University is the oldest continuous Medical School west of the Mississippi River. The School is located at Salem, the Capital City of Oregon, one of the most beautiful and healthful cities in the Pacific Northwest, situated upon the east bank of the Willamette River. It is the second city of size in Oregon, having a population of 15,000 inhabitants. Salem being the Capital of the state, students attending college here will come in contact with some of the most prominent and brainy men of the state, and be surrounded by an atmosphere of culture and intellectual refinement. In the State Library will be found complete works upon the practice of medicine, as well as other books of reference, to which all students will have access free of charge.

## CLINICAL FACILITIES.

The members of the Faculty, bearing in mind the importance of clinical instruction, devote the utmost attention to this aspect of teaching. Abundant opportunities are offered the student, not, as so frequently happens, simply to see, but to examine patients, make diagnosis and suggest treatment. Besides the regular clinics held at the hospitals, students are invited, whenever practicable, to see cases of interest in private practice, and to witness and assist in private operations. Students are also allowed the privilege of attending clinics at the State Hospital for Insane as well as the State Penitentiary, both of which are located near the School.

## PHARMACY.

The Pharmacy department has been affiliated with the Medical School. The courses have been greatly strengthened and made to conform with those offered by the best eastern institutions. A three months' course is offered to those who wish to review, preparatory to taking the State Board examination. For a description of courses and a statement of expenses address C. O. Boyer or W. H. Cooley.

The University registration fee of \$4.00 per year will be required of each student.

For Medical Catalogue address Dr. W. H. Byrd, Dean.

# School of Law

FLETCHER HOMAN, A. M., S. T. B., D. D., *President.*

C. L. McNARY, LL. B., *Dean.*

This department of the University offers a two years' course leading to the degree of Bachelor of Laws, and arranged to meet the requirements of the Oregon bar examinations. The advantage to the student of attendance upon a law school in preference to less systematic study in an office, is recognized in the rules of the Supreme Court, which require three years previous study of all who apply for admission to the bar without first obtaining a college degree. It is the object of this department, while giving thorough instruction in the abstract principles of law, to add such practical details as to prepare the student to commence his work as an attorney without embarrassment.

## INCIDENTAL ADVANTAGES.

Salem is an ideal place for the student of law. He has the advantage of access to the State Law Library, which is believed to be unexcelled by any law school library in the United States. It is also of superior advantage to the students that the Judges of the Supreme Court are lecturers in the School of Law. In addition to the regular session of the Circuit and County Courts, the Supreme Court of Oregon is in constant session and open to the attendance of the student. Here also once in his two years' course he has the opportunity of observing the State Legislature in session. The students conduct a practice court, which is of much benefit. The students of this School have the opportunities of engaging in the inter-university contests, both athletic and intellectual. They are able to register in the College of Liberal Arts for such supplementary work as they need in that department at special tuition rates. The social advantage of membership in the University is well worth attention.

## TUITION AND FEES.

A diploma fee of \$5.00 is charged at graduation.

The University registration fee of \$4.00 per year will be required of each student.

For information address C. L. McNary, Dean.

# Normal School

## THE GENERAL AIM OF THE SCHOOL.

The Normal School of Willamette University is a professional school, whose single aim is the preparation of teachers for the public schools of the Northwest.

The qualifications of a good teacher are both natural and acquired. Adaptability and tact, a strong attraction for teaching, based on a genuine love of children; intellectual ability, executive ability, common sense, good health and a cheerful disposition, are requisites to successful teaching.

To the natural teacher the Normal School offers excellent opportunities of acquiring that professional knowledge and technical skill which are indispensable to the best teaching.

The course of study is for two years and includes the necessary elements in the training of teachers:

1. *Educational Theory.* The history of education, psychology, pedagogy, organization and management of schools, the principles and art of teaching, and methods.
2. A thorough study of the subject-matter of the elementary school curriculum.
3. Observation of model teaching.
4. College studies in Freshman and Sophomore years.

## REQUIREMENTS FOR ENTRANCE.

Graduates from a four years' Academy or High School course can graduate from the Normal Course in two years.

Graduates from the Normal Course can complete the College Course in two years.

## COURSE OF STUDY.

The Normal Course includes two years' work above an Academy or High School Course. This brings the standard up to that of Normal Schools in other states.

The course being designed for a specific purpose, cannot be elective and accomplish this purpose.

## EXPENSES.

The tuition and incidental fees will be the same as in the College of Liberal Arts.

**NORMAL DIPLOMAS.**

Under the present school law, the Normal diploma admits graduates at once to the examination for the state certificate (good for five years), the Normal Course taking the place of the thirty months of teaching on county certificates, otherwise required. Under a ruling of the State Board of Education, students may, during their Normal Course, take the state examinations before a county superintendent, and if successful in these examinations receive the state certificate immediately on graduation. After thirty months of teaching experience, they will be entitled to receive the life diploma, on the grades already made before the county superintendent and filed with the State Department.

**NORMAL COURSE.**

*Freshman.* Language,\* English Literature, Rhetoric, English Bible, Methods,<sup>o</sup> Pedagogy.

*Sophomore.* Language,\* Mediaeval and Modern European History, Psychology, Zoology, School Law, History of Education, Pedagogy, and Principles of Teaching.

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\*Those who expect to become candidates for the A. B. degree later must take Foreign Language. Those satisfying the requirements otherwise, but substituting English, or some acceptable subject, may be given the B. Pd. degree.

<sup>o</sup>Methods being given in a practical way in connection with Mathematics and English, earn three hours credit in each which may be applied on the optional subjects for admission, and two hours (four semester hours) in College.

# Oregon Institute

## THE ACADEMY.

In addition to a complete College of Liberal Arts Willamette University maintains a first-class Academy.

Owing to its connection with the College, the Academy is pervaded by high ideals of character and of scholarship, and younger students are stimulated and often personally helped in their work by contact with the students of the College classes. This intercourse with College students and College instructors is in many ways itself a liberal education.

The aim of the Academy is first of all to fit young people for our College of Liberal Arts or for any college or university.

The Academy also offers to persons who do not expect to take a college course an opportunity to acquire a thorough fundamental knowledge of Algebra, Geometry, Latin, French, German, Greek, English, General History, Elementary Physics, Biology, and Chemistry.

## REQUIREMENTS FOR GRADUATION.

The work of the Academy will cover four years. Students entering the Academy will be expected to arrange their work according to the requirements and upon the successful completion of the Academy course and 120 semester hours in the College of Liberal Arts will receive a degree.

The Academy offers students of the smaller high schools an excellent opportunity to complete a first-class four-year course and to receive the diploma of the Academy. Fifteen units or one hundred and fifty semester hours, according to the new plan, are required for graduation. A unit is earned by carrying a subject five times a week for one year.

## EXPENSES.

Tuition, per semester, \$17.50. An incidental fee of \$5.00 each semester will be charged each regular Academy student. Laboratory fees, per study, per semester, \$2.50. Diploma, \$2.50.

Two dollars each semester of the incidental fee of the Academy students will be used for the support of athletics and other student affairs under the direction of the Board of Trustees. The University registration fee of \$2.00 per semester will be required of all other students taking special work.

## Course of Study

(Stated in semester hours, one-half being taken each semester.)

<b>First Year.</b>	Latin or Greek (Note 1).....	10
	English and English Literature .....	10
	Algebra .....	10
	Physical Geography and Physiology.....	6
<b>Second Year.</b>	Latin or Greek (Note 1).....	10
	Rhetoric and English Literature.....	10
	Geometry .....	10
	Zoology and Botany .....	8
<b>Third Year.</b>	Latin, Greek or German (Note 2).....	8 or 10
	American Literature .....	6
	Algebra and Geometry .....	6
	American History and Civics.....	6
	Chemistry .....	6
	Expression .....	4
<b>Fourth Year.</b>	Latin, Greek or German (Note 2).....	10 or 8
	English Literature .....	6
	History of Greece and Rome.....	6
	Physics .....	10
	Language or Advanced Algebra (Note 3).....	8

Note 1.—Those preparing for the Language and Literature Group in the College must take Latin, while those preparing for the Philosophical Group may take Greek, and those preparing for the Scientific Group should take Latin.

Note 2.—Those preparing for the Language and Literature Group must take Latin or Greek, while those preparing for the Scientific Group should take German, any of the three being open to those preparing for the Philosophical Group.

Note 3.—Those preparing for the Scientific Group must take Advanced Algebra.

## Description of Courses

### GREEK.

EDWIN SHERWOOD, *Professor.*

1-2. Beginning Greek, with selections from Xenophon's *Anabasis*. Five hours.

3-4. Four Books of Xenophon's *Anabasis* completed, with Prose Composition. Homer's *Iliad*, Books I-III. Five hours.

### LATIN.

(Chair to be filled.)

1-2. Beginning Latin. Inflections and the elements of Latin Syntax should be thoroughly learned, and a vocabulary of a thousand words should be acquired. Five hours.

3-4. First four books of Caesar's *Gallic War*, with Prose Composition. Five hours.

5-6. Cicero, Six Orations, with Prose Composition. Four hours.

7-8. Vergil's *Aeneid*, Books I-VI, with scansion, attention to poetic idioms, and the literary value of the poem, including studies in mythology.

### GERMAN AND FRENCH.

LOUIS BACH, *Professor.*

#### GERMAN.

I. *Elementary Course.* Joynes-Meissner's German Grammar with oral and written exercises. Reading of at least 100 pages of graduated texts. Memorizing of choice poems. Five hours, throughout the year.

II. *Intermediate Course.* Advanced Grammar with corresponding composition and oral exercises. Reading of about 400 pages of intermediate texts in prose and verse. Memorizing of selections from text read. Four hours, throughout the year.

III. *Advanced Course.* German Syntax. Reading from Classical authors as well as from representative historians and scientists. Oral reports in German and written summaries in German of texts read. Three hours, throughout the year.

#### FRENCH.

I. *Elementary Course.* Fraser and Squair's French Grammar, Part I, with copious oral practice and written exercises. Special verb drill. Reading of at least 100 pages of modern prose. Memorizing of selections. Five hours, throughout the year.

II. *Advanced French.* Fraser and Squair's Grammar, Part II,

with composition and oral practice. Reading of about 400 pages of representative texts. Memorizing of selections. Four hours, throughout the year.

### ENGLISH LANGUAGE AND LITERATURE.

WILLIAM E. KIRK, *Professor.*

I. Study of the elementary principles of Rhetoric, and practice in English Composition. The following books are used for class study and composition work: Herrick and Damon's Composition and Rhetoric, Irving's Sketch Book, Whittier's Snow-Bound, Goldsmith's Deserted Village, Scott's Lady of the Lake, and Shakespeare's As You Like It. For supplementary reading: Bunyan's Pilgrim's Progress, Scott's Ivanhoe, and Dickens' Christmas Carol. Five hours, both semesters.

II. Studies in the elements of literature and composition. Critical study of Tennyson's Idylls of the King, Hawthorne's House of Seven Gables, Poe's Poems, Shakespeare's Merchant of Venice, Coleridge's Ancient Mariner, and Macaulay's Lays of Ancient Rome. For supplementary reading: Dickens' David Copperfield, and Eliot's Silas Marner. Five hours, both semesters.

III. Special attention given to American literature. Classics studied: Lowell's Vision of Sir Launfal, Washington's Farewell Address and Webster's First Bunker Hill Oration, Longfellow's Courtship of Miles Standish, Schurz' Abraham Lincoln, and Shakespeare's Julius Caesar. Supplementary reading: Hawthorne's Twice-Told Tales, Franklin's Autobiography, and Holmes' Autocrat of the Breakfast Table. Three hours, both semesters.

IV. *English Literature.* For class study Chaucer's Prologue to Canterbury Tales, and Knight's Tale, Spencer's Faerie Queene, Book I, Early English Ballads, Shakespeare's Macbeth, Milton's Minor Poems, Palgrave's Golden Treasury, Wordsworth, Keats and Shelley, Selections from Browning, and Arnold's Sohrab and Rustum. Three hours, both semesters.

### MATHEMATICS.

JAMES T. MATTHEWS, *Professor.*

1. *Beginning Algebra.* For beginners. A thorough drill is given in all the elementary processes, and an introduction to quadratics. Text: Algebra for Secondary Schools, Wells. Five hours, throughout the year.

2. *Plane Geometry.* About one-third of the time is spent on the demonstrations in the text; the remainder of the time is

devoted to originals. Text: *New Plane Geometry*, Wentworth. Five hours, throughout the year.

3. *Algebra*. A continuation of Course 1. Beginning with quadratics, the work will consist of selected topics from the last half of Wells' *Algebra for Secondary Schools*. Three hours, first semester.

4. *Solid Geometry*. Special emphasis is laid upon the practical numerical exercises. Text: *Solid Geometry*, Wentworth. Three hours, second semester.

5. *Advanced Algebra*. This course is pursued in connection with a stiff and thorough text, and includes such topics as the binomial theorem, logarithms, graphs, choice, change, series, complex numbers, and the theory of equations. Four hours, throughout the year.

This course may be taken instead of Course 1 to meet the six hours prescribed Mathematics in College, provided the full fifteen units required for admission are met without it.

### HISTORY.

GAYLORD H. PATTERSON, *Professor*.

G. J. SWEETLAND, *Assistant*.

1. American History and Civil Government. Three hours, third year.

2. History of Greece and Rome, with due reference to the life, literature and government of each. Special attention is given to methods of study, consulting the library, etc. Three hours, fourth year.

### BIOLOGY.

M. E. PECK, *Professor*.

1. *Physiology*. This is an elementary course in human physiology and hygiene, taught by text with occasional demonstrations. Three hours, second semester.

2. *Botany*. It is the purpose of this course to present, concisely and briefly, the fundamental principles of general botany, including the physiology, morphology, gross anatomy, etc., of flowering plants. Three recitations and two hours of laboratory work, with occasional field study, one semester.

3. *Zoology*. A brief study of representative invertebrate and vertebrate types, mainly from the standpoint of physiology and biology. Three recitations and two hours of laboratory work, one semester.

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*Physiography*. An introduction to Physical Geography. Three hours, first semester.

**CHEMISTRY AND PHYSICS.**F. VON ESCHEN, *Professor.*

1. *Elementary Physics.* In this course the general subject of Physics is presented in a simple, yet scientific way. Many experiments are given to elucidate principles. Problems are given to fix laws and to make the study practical. Text, Millikan and Gale. A thorough knowledge of Arithmetic and Elementary Algebra is required and a knowledge of Plane Geometry is desirable. For fourth year Academy. A laboratory fee of \$2.50 per semester is required. Recitations and laboratory work throughout the year. Five hours.

2. *Elementary Chemistry.* The subject of Chemistry continues throughout the year, and includes all the general principles theoretical and practical of inorganic chemistry, such as given in McPherson and Henderson, Elementary Study of Chemistry. Recitations and individual laboratory work occupy not fewer than five hours per week. A special effort is made throughout to develop the scientific habit of thought and to lead the student to observe the chemical changes constantly taking place. In the laboratory each student is furnished with a desk and all necessary reagents and apparatus, and is required to keep a complete record of the work done during the year. A laboratory fee of \$2.50 per semester, and an additional deposit of \$5 is required. The loss by damage or destruction of apparatus will be deducted from the deposit of \$5, and the balance refunded at the close of the semester. For third year Academy students. Three hours, throughout the year.

**ACADEMY EXPRESSION.**MAY BELLE ADAMS, *Professor.*

*First Semester.* Fundamental work for personal development, articulation, inflection, quality of tone, pitch, force, tune, volume, modulation, power, brilliancy and abandonment in reading, elementary gesture. Two hours.

*Second Semester.* Rhythm, music and imagination in rendering, personality in rendering, relations of values and taste, recitations and declamations with individual criticism. Two hours.

# Degrees Conferred

1908

ANNUAL COMMENCEMENT.

## Bachelor of Arts

Bisbee, Royal D.	Whipple, Ruth
Hornschuh, Fred C.	Young, Laneta
Reichen, John E.	

## Bachelor of Science

Cornelius, Bessie E.	Price, Austin
Heltzel, James G.	

## Bachelor of Music

Field, Ruth	Johnson, Nina Pearl
Hart, May Louise	

## Bachelor of Oratory

Belknap, Clark R.	Fisher, Ione Pearl
Booth, Augusta	Hockett, Merle
Bisbee, Royal D.	Trill, Wallace G.

## Bachelor of Laws

Hindman, Claude O.	Spaulding, H. K.
Lord, Wm. P. Jr.	Stover, Philip
Morgan, Roy	Trill, Wallace G.
Neuner, George	Winslow, Walter G.

## Doctor of Medicine

Barker, Z.	McKinney, M. W.
Chandler, C. E.	Mendenhall, F. T.
Graves, Luzana	Paxton, T. O.
Irvine, M.	Robertson, Dr. Geo. M.
Knotts, Roy R.	Takabatake, Dr. Y.

1909

JANUARY 20.

(In connection with the inauguration of President Homan.)

## Doctor of Divinity

Rev. Walton Skipworth	Rev. J. D. Gillilan
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# Register of Students

## College of Liberal Arts

1908-1909.

### SENIORS.

Anderson, Ellen Joy.....	Kenewich, Washington
Booth, Edith .....	Lebanon, Oregon
Eakin, Robert S. ....	Salem, Oregon
Emmel, Mary .....	Sherwood, Oregon
Fields, D. Lester .....	Salem, Oregon
Gettmann, Adam .....	Milwaukie, Oregon
Gatch, Orytha H. ....	Salem, Oregon
Gittins, Mary .....	Amity, Oregon
Glover, Mabel C. ....	Lents, Oregon
Hewitt, Roy R. ....	Salem, Oregon
Jones, Harry E. ....	Jefferson, Oregon
Kuney, Edith C. ....	Salem, Oregon
Nelson, Clyde V. ....	Salem, Oregon
Oliver, George O. ....	Turner, Oregon
Rigdon, Leila .....	Salem, Oregon
Schmidt, William A. ....	Hillsboro, Oregon
Shanks, Murray D. ....	Salem, Oregon
Smith, Elva Mae .....	Salem, Oregon
Unruh, Glenn E. ....	Salem, Oregon
Winslow, Elva .....	Salem, Oregon

### JUNIORS.

Coryell, Ruby Melissa .....	Fossil, Oregon
Crawford, James W. ....	Salem, Oregon
Emmel, Nora .....	Sherwood, Oregon
Hornibrook, Cynthia J. ....	Goldendale, Washington
Jameson, Mary .....	Hillsboro, Oregon
Pierce, L. R. M. ....	Salem, Oregon
Reigelman, Perry P. ....	Salem, Oregon
Smith, Helen Mar .....	Salem, Oregon

### SOPHOMORES.

Altman, Alta A. ....	Salem, Oregon
Beckley, Hattie C. ....	Salem, Oregon
Beckley, Wesley B. ....	Cornell, Washington
Bennett, Theodosia .....	Salem, Oregon
Clarke, Beulah .....	Salem, Oregon

Colony, Eleanor .....	Salem, Oregon
Forbes, George G. ....	Medford, Oregon
Harrison, Charles B. ....	Salem, Oregon
Haskin, Alma V. ....	Corvallis, Oregon
Moore, Agnes .....	McMinnville, Oregon
Pigler, Annie C. ....	Salem, Oregon
Schmidt, Marie .....	Hillsboro, Oregon
Woods, Guy .....	Caldwell, Idaho

**FRESHMEN.**

Allen, Clara R. ....	Salem, Oregon
Anderson, Paul .....	Kennewich, Washington
Booth, Wilford G. ....	Salem, Oregon
Bartlett, Elva E. ....	Albion, Washington
Chamberlain, Hollister .....	Salem, Oregon
Jones, Raymond A. ....	Jefferson, Oregon
Hardwick, Clara .....	Salem, Oregon
Matthews, Oliver V. ....	Salem, Oregon
Minton, A. N. ....	Salem, Oregon
Moore, Althea E. ....	Salem, Oregon
Moreland, Lueen .....	Salem, Oregon
Newmeyer, Philip L. ....	Chemawa, Oregon
Nunan, Paul A. ....	Portland, Oregon
Oakes, J. B. C. ....	Portland, Oregon
Schramm, Alfred A. ....	Salem, Oregon
St. Pierre, Ralph K. ....	Salem, Oregon
St. Pierre, Edward W., Jr. ....	Salem, Oregon
Wann, Harry A. ....	Salem, Oregon

**COLLEGE SPECIAL.**

Beckley, Elmer J. ....	Lind, Washington
Fisher, Ione P. ....	Salem, Oregon
Hotchkiss, Albert B. ....	Salem, Oregon
Hutchins, Marie .....	Salem, Oregon
Jasper, Franklin M. ....	La Grande, Oregon
Klopping, Henry H. ....	Farmington, Minnesota
Seeley, Charlotte A. ....	Seattle, Washington
Underhill, Carroll .....	Salem, Oregon

**Academy****FOURTH YEAR.**

Fletcher, Lena .....	Boise, Idaho
Hanger, William C. ....	Brownsville, Oregon
Hollingworth, Carl J. ....	Salem, Oregon

McNees, J. A. ....	Woodlawn, Oregon
Parrish, Ethelma .....	Chemawa, Oregon
Samson, Maurine .....	Boise, Idaho
Samson, Jean .....	Boise, Idaho
Sanders, Frank E. ....	Astoria, Oregon
Pearce, Helen .....	Salem, Oregon
Reeves, Frank H. ....	Salem, Oregon
Weatherhead, Arthur C. ....	Newberg, Oregon
Winslow, George P. ....	Salem, Oregon

**THIRD YEAR.**

Bates, Naomi .....	Salem, Oregon
Bellinger, Ivan E. ....	Salem, Oregon
Blackwell, Harley .....	Oregon City, Oregon
Casebere, Ethel .....	Salem, Oregon
Dimond, Chester A. ....	Newberg, Oregon
Homan, Paul .....	Salem, Oregon
Homan, Ralph F. ....	Salem, Oregon
Ohmart, Reynolds W. ....	Salem, Oregon
Pigler, Mary L. ....	Salem, Oregon
Reeves, Mrs. Winifred .....	Salem, Oregon
Soward, Lucy Winifred .....	Nyssa, Oregon
Unruh, Marguerite .....	Salem, Oregon

**SECOND YEAR.**

Bales, Marion E. ....	Salem, Oregon
Branson, Lefa G. ....	McMinnville, Oregon
Chalcraft, Edwin P. ....	Chemawa, Oregon
Cook, David L. ....	Salem, Oregon
Day, Robinson D. ....	Boise, Idaho
Drake, Francis G. ....	Brooks, Oregon
Emmel, Winfield C. ....	Sherwood, Oregon
Hepp, Louis O. ....	Salem, Oregon
Hobson, Louis .....	Salem, Oregon
Jory, Harold B. ....	Salem, Oregon
Jory, Emily C. ....	Salem, Oregon
Mercer, Helen B. ....	Salem, Oregon
Oldenburg, W. H. ....	Connell, Washington
Rowland, Raymond .....	Salem, Oregon
Schreiber, William .....	McMinnville, Oregon
Tichnor, Chas. F. ....	Portland, Oregon

**FIRST YEAR.**

Applegate, Bertram .....	Yoncalla, Oregon
Ashby, Lois .....	Shaw, Oregon

Booth, Warren R. ....	Salem, Oregon
Ensley, Milton .....	Colfax, Washington
Hill, Ruby B. ....	Whitefish, Montana
Johnston, Bertha .....	Vale, Oregon
Marsh, Arthur H. ....	Looking Glass, Oregon
McClellan, Ruth .....	Turner, Oregon
Norton, Earl B. ....	Halsey, Idaho
O'Herran, Leonard .....	Salem, Oregon
Pearce, Dorothy .....	Salem, Oregon
Renfrew, Glayds I. ....	Spokane, Washington
Townsend, Fay .....	Gervais, Oregon
Wolfe, Guy E. ....	Boring, Oregon
Walter, Fred W. ....	Portland, Oregon

#### ACADEMY SPECIAL.

Armstrong, Eldon T. ....	Salem, Oregon
Beatty, Zena .....	Salem, Oregon
Cummins, Walter R. ....	Salem, Oregon
Derby, Ulva .....	Salem, Oregon
Dimick, Atha M. ....	Salem, Oregon
Humphreys, Ewing R. ....	La Grande, Oregon
Judd, Alice M. ....	Salem, Oregon
Schindler, Freida .....	Salem, Oregon
Schramm, Elwina E. ....	Salem, Oregon
Swayne, Ralph V. ....	Chehalis, Washington
Wygant, Alice M. ....	Boise, Idaho

## Normal

#### FOURTH YEAR.

Davies, Blodwen .....	Astoria, Oregon
Hardwick, Stella M. ....	Salem, Oregon
Hazelton, Valoria I. ....	Salem, Oregon
Morgan, Ora B. ....	Salem, Oregon
Weeks, Beatrice .....	Silverton, Oregon

#### THIRD YEAR.

Collamore, Lorna A. ....	Portland, Oregon
Evans, Remoh F. ....	Salem, Oregon
Hart, Jennie M. ....	Looking Glass, Oregon
Holcomb, Lena .....	Brownsville, Oregon
Porter, Grace M. ....	Wasco, Oregon
Price, Elizabeth .....	Bancroft, Oregon
Weik, Jennie A. ....	Astoria, Oregon

**SECOND YEAR.**

Gregory, Emma Isabel .....Oregon City, Oregon

**FIRST YEAR.**

Wilkerson, Geneva .....Lorella, Oregon

**School of Music****PIANO.**

Bates, Naomi	Renfrew, Gladys
Bennett, Theodosia	Rose, Bessie
Bishop, Hazel	Rowland, Raymond
Cornelius, Minnie	Samson, Jean
Dougherty, Elmer	Samson, Maurine
Durbin, Barbara	Seeley, Charlotte
Fletcher, Lena	Shumway, Irma
Hall, Luther	Skjelver, Nora
Hill, Ruby	Stuckey, Harriet
Holloway, Daphne	Townsend, Fay
Hornibrook, Sadie	Turner, Joy
Mattison, Topsy	Winslow, Elva
Moreland, Lueen	Wygant, Alice

**VOICE.**

Bates, Naomi	Leonard, Mrs. M.
Beckley, Hattie	Mattison, Topsy
Beckley, Wesley	Mers, Marguerite
Belknap, H. H.	Schindler, Freida
Bowerman, Martha	Seeley, Charlotte
Forbes, George	Shumway, Irma
Hall, Luther	Smith, Helen
Judd, Alice	Turner, Joy

**HARMONY AND COMPOSITION.****PRIVATE.**

Cotter, Percy	Stuckey, Harriet
Hornibrook, Sadie	Turner, Joy
Skjelver, Nora	

**CLASS.**

Bates, Naomi	Norton, Earl
Belknap, Stella	Schramm, Elwina
Bennett, Theodosia	Seeley, Charlotte
Colony, Eleanor	Shumway, Irma
Hall, Luther	Snelling, Laura

**SIGHT SINGING.**

Bates, Naomi	Hepp, Louis
Beckley, Hattie	Judd, Alice
Beckley, Wesley	Markham, C. R.
Davies, Blodwen	Marsh, Arthur
Ensley, Milton	Norton, Earl
Forbes, George	Rowland, Raymond
Goodenough, Helen	Schreiber, William
Hall, Luther	Weatherhead, Arthur

**MUSICAL HISTORY.**

Bates, Naomi	Stuckey, Harriet (Private)
Judd, Alice	Turner, Joy
Shumway, Irma	

**ORGANIZATIONS.**

Choral Society .....	70 voices
Choir .....	40 voices
Ladies' Club .....	24 voices
Glee Club .....	16 voices

**School of Oratory****SENIORS.**

Casebere, Nellie .....	Salem, Oregon
Callou, C. J. ....	Barrington, Illinois
Durbin, Barbara .....	Salem, Oregon
Hannon, Myrtle .....	Goldendale, Washington
Patty, June .....	Amity, Oregon
Pierce, Mrs. La Ronda .....	Salem, Oregon

**JUNIORS.**

Gross, Bertha .....	Pendleton, Oregon
Gillis, Anna .....	Salem, Oregon
Reigelman, Perry .....	Salem, Oregon
Schmidt, William .....	Hillsboro, Oregon

**FRESHMEN.**

Savage, Winona .....	Salem, Oregon
Schmidt, Marie .....	Hillsboro, Oregon
Thompson, Louise .....	Salem, Oregon
Walt, Alma .....	Salem, Oregon

## SPECIAL.

Ashby, Lois .....	Salem, Oregon
Belknap, Clark .....	Salem, Oregon
Buzan, Myrtle .....	Pendleton, Oregon
Egan, Marguerite .....	Chemeketa, Oregon
Evans, Ruth .....	Salem, Oregon
Goodenough, Francis .....	Salem, Oregon
Gittins, Mary .....	Salem, Oregon
Johnstone, Grace .....	Vale, Oregon
Lachmund, Margaret .....	Salem, Oregon
McPeck, Fleda .....	Salem, Oregon
Powers, Virue .....	Salem, Oregon
Remington, Pauline .....	Salem, Oregon
Shutt, Lawrence .....	Heppner, Oregon
Smith, Helen Mar .....	Salem, Oregon
Stone, William .....	Oregon City, Oregon
Shanks, Murry .....	Salem, Oregon

## COLLEGE ORATORY.

(Required in College of Liberal Arts.)

Allen, Clara .....	Salem, Oregon
Anderson, Paul .....	Salem, Oregon
Bales, Marian .....	Wasco, Oregon
Booth, W. G. ....	Salem, Oregon
Beatty, Zena .....	Salem, Oregon
Bartlett, Elva .....	Pullman, Oregon
Colony, Eleanor .....	Salem, Oregon
Casebere, Nellie .....	Salem, Oregon
Durbin, Barbara .....	Salem, Oregon
Gross, Bertha .....	Pendleton, Oregon
Glover, Mabel .....	Lents, Oregon
Hannon, Myrtle .....	Goldendale, Washington
Harrison, C. B. ....	Salem, Oregon
Hardwick, Clara .....	
Jones, R. A. ....	Jefferson, Oregon
Minton, Albert .....	Salem, Oregon
McNees, J. A. ....	Woodlawn, Oregon
Oakes, J. B. ....	Portland, Oregon
Patty, June .....	Amity, Oregon
Parrish, Ethelma .....	Chemawa, Oregon
Reigelman, Perry .....	Salem, Oregon
St. Pierre, Ralph .....	Salem, Oregon
St. Pierre, Walter .....	Salem, Oregon
Smith, Helen .....	Salem, Oregon

Schmidt, William .....	Hillsboro, Oregon
Schramm, Alfred .....	Salem, Oregon
Stone, William .....	Oregon City, Oregon
Woods, Guy .....	Murphy, Idaho
Weatherhead, Arthur .....	Newberg, Oregon
Winslow, Elva .....	Salem, Oregon

## ACADEMY EXPRESSION.

Armstrong, Elton .....	Salem, Oregon
Casebere, Ethel .....	Salem, Oregon
Collamore, Lorna .....	Portland, Oregon
Davies, Blodwen .....	Astoria, Oregon
Evans, Remoh .....	Salem, Oregon
Gross, Bertha .....	Pendleton, Oregon
Hanger, W. C. ....	Brownsville, Oregon
Hazelton, Valoria .....	Salem, Oregon
Holcombe, Lena .....	Brownsville, Oregon
Jory, Harold .....	Salem, Oregon
May, A. B. ....	Salem, Oregon
Pepper, W. V. ....	Viola, Oregon
Price, Elizabeth .....	Bancroft, Oregon
Reeves, F. H. ....	Salem, Oregon
Reeves, Winifred .....	Salem, Oregon
Renfrew, Gladys .....	Spokane, Washington
Samson, Maurine .....	Seattle, Washington
Samson, Jean .....	Seattle, Washington
Schindler, Freida .....	Salem, Oregon
Schreiber, William .....	McMinnville, Oregon
Unruh, Marguerite .....	Salem, Oregon
Weeks, Beatrice .....	Silverton, Oregon
Weik, Jenny .....	Astoria, Oregon
Winslow, George .....	Salem, Oregon

## School of Theology

Armstrong, E. T.	Iwasaki, Totaro
Beatty, William T.	Kleinbach, George
Campbell, E. E.	Marquam, C. R.
Creesy, C. L.	May, Arthur B.
Fields, D. L.	Mayes, J. W.
Gittins, Edward	McCain, Harry
Goudge, E.	McKay, Charles L.
Haroune, F. Nathan	Oliver, G. O.
Hotchkiss, A. B.	Pepper, William B.

Pfaff, R. L.	Ucmura, Seizira
Rees, C. B.	Vinyard, V. A.
Reeves, F. H.	Waelte, Fred M.
Schmidt, William A.	Weber, William James
Senow, Gainto	Yarnes, Thomas
Stewart, William Clyde	

## School of Medicine

### SENIORS.

Bellinger, Grover .....	Salem, Oregon
Fox, M. C. ....	White Salmon, Washington
Lewis, F. D. ....	Salem, Oregon
Russel, J. I. ....	Harrisburg, Oregon
Smith, Walter C. ....	Halsey, Oregon
Stuart, James E. ....	Livingston, Montana
Thompson, F. H. ....	Albany, Oregon
Silversmith, Esther M. ....	Tacoma, Washington

### JUNIORS.

Bartlett, J. C. ....	Brewsie, Oregon
Cooley, William H. ....	Salem, Oregon
Pemberton, W. L. ....	Salem, Oregon
Windom, A. L. ....	Brownsville, Oregon
Massey, George A. ....	Hood River, Oregon

### SOPHOMORES.

Soule, A. A. ....	Little Shasta, California
Byrd, P. W. ....	Spokane, Washington
Russell, M. C. ....	Salem, Oregon
Savage, R. H. ....	Salem, Oregon
Boyer, C. O. ....	Salem, Oregon

### FRESHMEN.

Ellis, R. V. ....	Salem, Oregon
Wainscott, C. O. ....	Ukiah
Lowe, G. E. ....	Salem, Oregon
Zimmerman, N. L. ....	Salem, Oregon
Garnjobst, H. ....	Salem, Oregon
Garnjobst, J. H. ....	Salem, Oregon
Carstens, Paul M. E. ....	Portland, Oregon
Downey, C. H. ....	Stayton, Oregon
Hobson, E. H. ....	Stayton, Oregon
McIntyre, Ross .....	Salem, Oregon
Briggs, W. D. ....	Coquille, Oregon

## School of Law

### SENIORS.

Duncan, R. M. ....	Ironsides, Oregon
Heltzel, S. H. ....	Salem, Oregon
Hewitt, Roy R. ....	Salem, Oregon
Jeffries, James ....	Belt, Montana
Powers, D. E. ....	Portland, Oregon
Riemenschneider, W. T. ....	Salem, Oregon
Shanks, M. D. ....	Salem, Oregon
Unruh, Glenn ....	Salem, Oregon
Wimberley, Carl ....	Drain, Oregon
Yanckwich, Leon ....	Portland, Oregon

### JUNIORS.

Allen, D. H. ....	Salem, Oregon
Belknap, C. R. ....	Salem, Oregon
Lewis, J. H. ....	Salem, Oregon
Murdock, G. M. ....	Monmouth, Oregon
Shields, Roy F. ....	Davenport, Washington
Skiff, George F. ....	Salem, Oregon
Smith, Guy O. ....	Salem, Oregon
Staats, S. L. ....	Bend, Oregon
Stone, William M. ....	Oregon City, Oregon
Tupper, T. A. ....	Salem, Oregon
Ware, H. H. ....	Salem, Oregon
Wirtz, Willard H. ....	Salem, Oregon
Yates, Charles A. ....	Portland, Oregon

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