

1909

Whitworth College Bulletin 1909-1910

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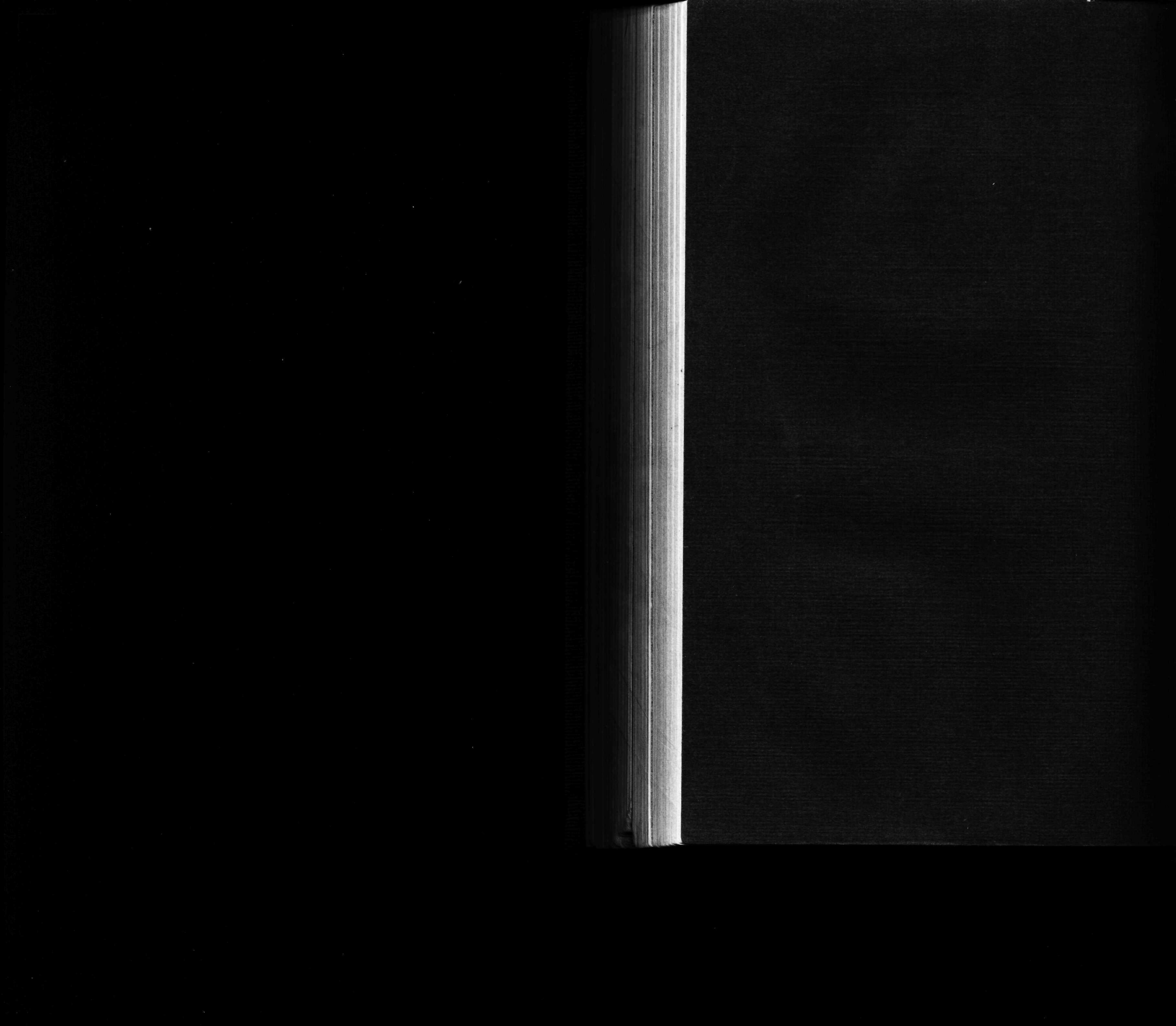
VOL. 10

NO. 1

The Whitworth College
Bulletin

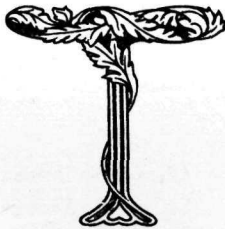
Catalogue Number 1909-10

Caroma, Wash.



The Whitworth College BULLETIN

Containing the Annual Catalogue and
Register of Students of Whitworth
College, 1908-9, General Information,
Courses of Study, and other An-
nouncements, 1909-10. -- --



"Orando et laborando pro educatione juvenum"

Tacoma, Washington, April, 1909.

Entered at the Post Office, Tacoma, Washington, as second class matter,
March 7, 1900, under act of July 16, 1894.

Published monthly by Whitworth College During college year
with one mid-summer issue.

CALENDAR

1909-1910

1909

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	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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31

MAY							JUNE							JULY							AUGUST						
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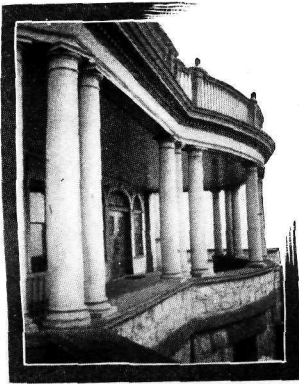
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
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1910

JANUARY							FEBRUARY							MARCH							APRIL						
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MAY							JUNE							JULY							AUGUST						
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29	30	31	26	27	28	29	30	24	25	26	27	28	29	30	28	29	30	31
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SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
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THE COLONNADE

*“The Beautiful
is as Useful
as the
Useful”*

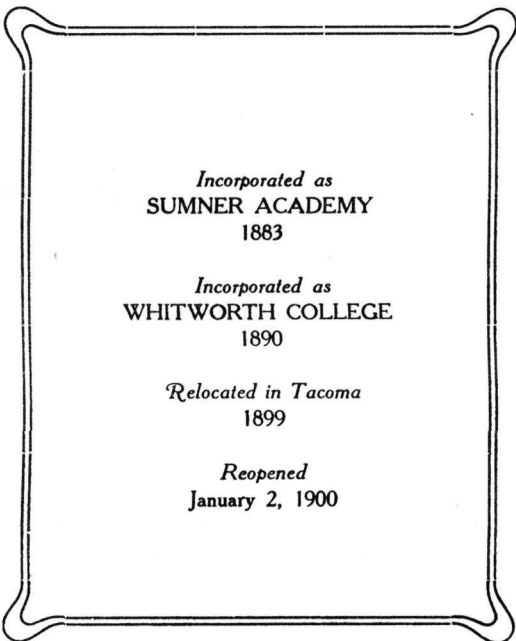
COLLEGE EVENTS

1909

Registration and Examinations.....	Tuesday, September 14, 9 a. m.
Fall Term opens.....	Wednesday, September 15, 9 a. m.
Instruction begins.....	Thursday, September 16, 8:25 a. m.
Convocation Address.....	Friday, September 17, 7:30 p. m.
Thanksgiving Day.....	Thursday, November 25
Charter Day.....	Wednesday, December 8
Winter Term opens.....	Wednesday, December 8
Christmas Recess begins.....	Friday, December 17

1910

Class Work resumed.....	Monday, January 3, 8:25 a. m.
Day of Prayer for Colleges.....	Thursday, January 27
Winter Term closes.....	Friday, March 18, 4 p. m.
Spring Recess.....	March 18-28
Spring Term opens.....	Monday, March 28, 8:25 a. m.
Memorial Day.....	Thursday, May 26
Field Day.....	Friday, May 27
Baccalaureate Address.....	Sunday, June 12, 3:30 p. m.
Annual Meeting Board of Trustees.....	Tuesday, June 7, 10 a. m.
Annual Concert.....	Monday, June 13, 8 p. m.
Commencement in the Academy.....	Tuesday, June 14, 8 p. m.
Class Night.....	Wednesday, June 15, 8 p. m.
Convocation Address.....	Thursday, June 16, 8 p. m.
Commencement.....	Thursday, June 16, 8 p. m.
Annual Reception.....	Thursday, June 16, 10 p. m.
Regular Meetings of the Board of Trustees.....September 21, January 25, April 26, June 7



Incorporated as
SUMNER ACADEMY
1883

Incorporated as
WHITWORTH COLLEGE
1890

Relocated in Tacoma
1899

Reopened
January 2, 1900

BOARD OF TRUSTEES

J. F. Douglas, Attorney at Law, Lumber Exchange, Seattle.
J. Grier Long, Vice-President and Treasurer Washington Trust Co., Spokane.
W. R. Ballard, Financial Agent, Alaska Block, Seattle.
U. K. Loose, Banking and Wholesale Lumber, Seattle.
Rev. Edward L. Ford, D. D., Pastor First Congregational Church, Tacoma.
F. H. Murray, Attorney at Law, Fidelity Building, Tacoma.
John McRae, Real Estate and Loans, Everett.
Rev. John R. Macartney, Pastor First Presbyterian Church, Bellingham.
H. H. McMillan, Insurance and Real Estate, Davenport.
Rev. F. L. Hayden, D. D., Brighton, Seattle.
Henry Longstreth, Financial Agent, Provident Life and Trust Co., Tacoma.
Rev. A. F. Kirkpatrick, D. D., Pastor First United Presbyterian Church, Tacoma.
F. H. Whitworth, Civil Engineer, New York Block, Seattle.
Geo. H. Stone, President Stone-Fisher Co. Department Stores, Tacoma, Seattle
and Everett.
W. B. Dudley, Shoe Store, North Yakima.
C. H. Jones, Lumberman, Tacoma.
Rev. M. A. Matthews, D. D., Pastor First Presbyterian Church, Seattle.
Frank D. Black, Merchant, Seattle Hardware Co., Coleman Block, Seattle.
Rev. J. M. Wilson, D. D., Pastor Westminster Presbyterian Church, Seattle.
D. S. Johnston, Pianos and Organs, Temple of Music, Tacoma.
Rev. A. L. Hutchinson, D. D., Pastor Immanuel Presbyterian Church, Tacoma.
Rev. Murdock McLeod, D. D., Pastor First Presbyterian Church, Tacoma.

OFFICERS FOR 1908-9.

Rev. A. L. Hutchinson, D. D., President.
D. S. Johnston, Vice-President.
Henry Longstreth, Secretary.
Chester Thorne, President National Bank of Commerce, Tacoma, Treasurer.

EXECUTIVE COMMITTEE.

Rev. A. L. Hutchinson, D. D. Geo. H. Stone. F. H. Murray.
Henry Longstreth. D. S. Johnston. Pres't B. H. Kroeze, D. D.

STANDING COMMITTEES.

Finance—Trustees Ballard, Stone and Longstreth.
Faculty—Trustees Stone, Ballard, Murray, Mathews and Wilson.
Endowment—Trustees Douglas, Loose, Ballard, Black, Johnston and Jones.
Grounds and Buildings—Kirkpatrick, Hutchinson, Ford, Whitworth and Johnston.
Honorary Degrees—Trustees McLeod, Wilson and Loose.
Curriculum—McLeod, Hayden, Wilson, Murray and Long.

SYNOD COMMITTEE.

Walter A. Hitchcock, James C. Van Patten, Albert M. McClain, Harry S.
Templeton, H. M. Course, T. H. Lewis, H. T. Mitchelmore, Edward Marsden.

FACULTY

BAREND H. KROEZE, A. M., D. D., President.

ETHICS

A. B., University of Michigan, 1894; Graduate Student, 1894-95; Divinity Student McCormick Theological Seminary, 1895-98; Pastorate Winona Presbytery, 1898-1902; Graduate Student University of Chicago, 1902; Vice President Lenox College, 1903-05; D. D., Coe College, 1906; President Whitworth College, 1905—

DONALD D. MCKAY, A. M., D. D., Dean of College.

PHILOSOPHY AND PSYCHOLOGY.

A. B., Normal School Training, Prince of Wales College, P. E. I.; A. B., University of Manitoba, Canada, 1889; Divinity Student Manitoba College, 1889-1891; Post-Graduate Princeton, 1892-3; A. M., University of Manitoba, 1895; Post-Graduate Student, University of Minnesota, 1898-1902; Pastorate Minneapolis, 1898-1908; D. D., Macalester College, 1904; Whitworth College, 1908—

AMOS T. FOX, B. L., B. D.

MATHEMATICS AND CIVIL ENGINEERING.

B. L., Bethany College, 1880; B. D., Yale, 1882; Principal of Whitworth Academy, 1889; President of the College, 1890; Vice President and Dean, 1890-98; Whitworth College, 1890—

J. LE MOYNE DANNER, A. B., D. D.

BIBLE DEPARTMENT.

A. B. Beloit College, 1863; Graduate Union Theological Seminary, 1867; Continuous Pastorate, 1867-1905; D. D., Macalester College, 1900; Whitworth College, 1908—

MISS FLORENCE G. DOUGLAS, A. M., Dean of Women.

ENGLISH LANGUAGE AND LITERATURE.

A. B., University of North Dakota, 1898; A. M., Wellesley College, 1901; Graduate Student University of Chicago, summer quarter, 1906; High School Waterville, Minn., 1898-99; High School Dist. 18, Seattle, 1902-06; High School LaCrosse, Wis., 1906-07; Whitworth College, 1907—

LEONIDAS RAYMOND HIGGINS, A. B., PH. D.

LATIN AND GREEK.

A. B., Brown University, 1884; Ph. D., Cornell University, 1898; Instructor in Classics, Peddie Institute, 1886-93; Northwestern University, 1895-97; High School, Chicago, 1899-1901; Cornell College, Iowa, 1901-02; Professor of Latin and Greek, Grand Island College, 1902-08; Whitworth College, 1908—

HERSCHEL E. HEWITT, A. B.**CHEMISTRY AND BIOLOGICAL SCIENCES.**

A. B., Grand Island College, 1904; Dept. of Science, Sioux Falls College, 1905-08; Biological Research work, Summer, 1907; Whitworth College 1908—

W. E. BEARDSLEY, A. B.**MODERN LANGUAGES.**

A. B., University of Chicago, 1904; Graduate Student University of Chicago, Summer Quarter, 1904; Graduate Student University of California, Summer, 1906; Greek and Proctor, Chesbro Seminary, Chili, New York, 1899-1900; Greek and History, Stetson University, 1902-1904; Professor of Modern Languages, Fort Worth University, 1904-1906; Whitworth College, 1906—

FLOYD T. VORIS, A. M.**PHYSICS AND GEOLOGY.**

B. S., Highland Park College, 1892; Divinity Student McCormick Theological Seminary, 1893-96; Minister, Buffalo, Minn., 1896-98; Buena Vista College, 1898-1904; Graduate Student Columbia University, 1901-02; A. M., Columbia University, 1902; Macalester College, 1904-05; Graduate Student University of Minnesota; Whitworth College, 1906—

WILLIAM E. ROE, A. B., D. D.**HISTORY, ECONOMICS AND POLITICAL SCIENCE.**

A. B., Williams College, 1878; Graduate Student Johns Hopkins University, 1878-9; Instructor Brooklyn Polytechnic Institute, 1879-1883; Hill School, Pottstown, Pa., 1883-84; Graduate Union Theological Seminary, 1886; Pastor, 1886-1907; Instructor Marietta College, 1898-1900; D. D., Williams College, 1898; Whitworth College, 1907—

MISS MARGARET MEARNS.**ORATORY AND PHYSICAL CULTURE.**

Graduate Detroit Training School of Elocution and Physical Culture, 1890; Graduate Work, 1891; Lourdes' Academy, 1892-95; Albert Lea College, 1897-1903; Lenox College, 1903-07; Whitworth College, 1907—

W. LISTER EDWARDS, M. Acc'ts.**PRINCIPAL COMMERCIAL DEPARTMENT.**

Student, Lincoln Normal University, 1894-96; M. Acc'ts. Western Normal College and School of Business, 1897 (Iowa); Principal Commercial Department, Los Vegas Normal University, 1898-1900; Manager International Business College, El Paso, Texas, 1900-03; Albany College, 1903-07; Whitworth College, 1907—

LAURENCE PHIPPS, A. B.**ASSISTANT LATIN AND MATHEMATICS.**

A. B., Whitworth College, 1908; Whitworth College, 1908—

JAMES DOUGLAS JOHNSON.**ASSISTANT COMMERCIAL DEPARTMENT.**

Whitworth, 1908—

VIENNA NEEL RIEDELSBERGER.

PIANO AND DIRECTOR SCHOOL OF MUSIC.

Graduate Student of Walter Petzet, Munich, 1899; Teacher Manning College, Minneapolis, 1899-1902; Teacher Johnson Piano School, Minneapolis, 1902-4; Pupil Xaver Scharwenka, Berlin, 1904-5; Pupil Arthur Friedheim, London, 1905-6; Director Piano Dept. Albert Lea College, 1906-8; Whitworth College, 1908—

MISS RACHEL E. WILSON.

ASSISTANT IN PIANO.

Graduate Conservatory of Music Westminster College, New Wilmington, Penna., 1892; Teacher in Omaha, 1893-1906; Whitworth College, 1908.

ALBERT GRAY.

VOICE.

Harvard, 1895; University of Paris, 1898; Pupil of Clara Poole, London; Sbriglia, Dellie, Sedie and Giraudet, and of Baritone of Grand Opera and Opera Comique, Paris; Singer of Principal Baritone Roles and Creator of "The Skald" in the Opera Fridtjof and Ingeborg; Soloist with Symphony Orchestras at Leading Music Festivals; Teacher of Voice Six Years in Paris, London and New York, as Assistant to Leading Instructors; Whitworth College, 1906—

WALTER GUERNSEY REYNOLDS.

HARMONY, HISTORY OF MUSIC, AND ORGAN.

Diploma of Conservatory of Music, State Normal, Mansfield, Pa., 1891; Student of Voice and Organ in Paris with Madame Calve de Picciotto and M. Alexandre Guilmant, 1900; Private Teacher of Voice and Piano, 1894-99; Director of Doane College School of Music, Crete, Nebraska, 1901-1905; Whitworth College, 1905—

OLOF BULL.

VIOLIN.

Whitworth College, 1901—

LEE R. GRIDLEY.

MANDOLIN, GUITAR AND BANJO.

Lawrence University, 1899-1901; Private Studio, Appleton, Wis., 1896-1899; Concert Tour, 1901-07; Private Studio, Riverside, Cal., 1906; Whitworth College, 1907—

MRS. FRANCES E. CRANDALL.

ART.

Pupil of D. Arthur Teed, formerly of Rome, 1887-89; Student of W. H. Boss, Binghamton, N. Y., 1890-91; Pupil of J. E. Anderson, formerly of Munich, 1894; Special Work under Rhoda Holmes Nichols, N. Y., 1903-04; and Private Studio, Tacoma, 1900-03; Whitworth College, 1905—

ARTHUR RUEBER, LL. B.

PHYSICAL DIRECTOR AND ATHLETIC COACH.

LL. B., University of Chattanooga, 1907; Northwestern University, 1903-06; Coach, University of Chattanooga, 1906-07; Whitworth College, 1907—

MISS MARY COX.

LIBRARIAN.

A. B., Whitworth College, 1909; Whitworth College, 1908—

MISS MARY LIVERMORE.

MATRON.

WILLIAM PAUL.

OFFICE ASSISTANT.

THE POLICY

ADMINISTRATION.

The Board of Trustees of Whitworth College is a self-perpetuating body incorporated under the laws of the State of Washington. The trustees comprise three classes, the triennial term of a class expiring in June of each year. The trustees thus selected by the Board are confirmed by the Synod of Washington.

The Board of Trustees is immediately responsible for the property and funds of the college, and for the proper conduct of its affairs, scholastic and financial.

The original jurisdiction of the Board as to its membership and policy secures a consistent and aggressive line of action, with enough independence for effective administration, while the ecclesiastical supervision guarantees that the college reflects the moral and religious standards of the Presbyterian Church of the State of Washington. Benefactors are thus assured of responsible business methods and such synodical accountability as fully protects the institution from politics and influences not in accord with the spirit and dignity of the Church.

ORGANIZATION.

The institution comprises the following departments:

- I.—The College, with the usual courses of four years leading to the Bachelor degrees of A. B., B. S. and Ph. B.
- II.—The Academy, which is a preparatory school to fit students for the college courses. Certificates of graduation are given.
- III.—The School of Music, offering courses in Voice, Piano, Organ, Violin, Mandolin and Guitar, together with the Theory of Music and the History of Music.

- IV.—The Art School, with courses of instruction adapted to various requirements.
- V.—The School of Expression and Physical Culture, offering courses in voice building, oratory, elocution and physical culture.
- VI.—Commercial School, offering courses in typewriting, stenography, bookkeeping, commercial law, commercial arithmetic, spelling, correspondence, penmanship.
- VII.—School of Engineering—Course in Civil Engineering.

THE OBJECT.

The avowed object of the College and the inspiration of all its ideals is Christian Education. While denominational in auspices, being conducted by the Presbyterian Church, it is in no sense sectarian, since the institution does not teach the tenets of that or any other religious body. It is the aim of the Faculty so to conduct the institution that a potent religious influence may always be felt, and to promote a deep religious life among the students of the College. To this end the Bible is a chief text-book. A large proportion of the students are active Christians, indicative of the religious interests of the homes represented. Christian homes are thus assured of a wholesome but liberal religious influence permeating the entire institutional life and policy.

SCHOLASTIC.

Whitworth College is an earnest advocate of general culture as the best possible all around preparation a young man or young woman can have for the work of life. This is an age requiring, besides mental power and activeness of thinking, great versatility and ready adaptation to the exigencies of life. The man or woman with the broadest education, all things considered, is the most independent and socially efficient in the midst of the changes which occur in the industrial, social and commercial worlds with such dramatic suddenness and frequency.

It must be kept in mind all the time that knowledge is not the highest value sought, but culture, the discipline of the powers, the vitalizing of the faculties and the developing of self activity. Broad contact, expanded point of view, the ability to look out over enlarged vistas, to make men and women broad without making them shallow; that is our ideal of culture.

But above all this as the dominant principle in education and in the preparation for active life is the supreme importance of character. Christian education means the utilization of the best years of acquisition for founding deep and broad principles of conduct. Expertness, capacity, knowledge, culture—all are valueless without character. There can be no true success, no real honor, no permanent good, without nobility of character.

The best results in the care and culture of men and women, in collegiate days, are developed by three conditions:

First. Contact with teachers of high moral convictions, of eminent scholarship, of generous sympathy and exemplary in life and influence.

Second. The recognition of God's word as the only safe moral guide, both by the devout attitude of teachers in and out of the class room, and by suitable opportunities to study that word as the Book of Books.

Third. Character-building involves the exercise of needful authority and wholesome restraint. There can be no vital moral training without appeal to the sanction of God's word, and such restrictions as give steadiness to wavering purpose, admonition to the forgetful, and incentive to the well disposed.

Moral discipline presupposes moral oversight, the assertion of discreet authority, and the stimulation of wise counsel.

The Whitworth College platform, summarized, embraces general courses of instruction, seeking character building as the prime consideration, broad culture as a secondary result, and, thirdly, accurate knowledge; personal attention of teachers and intensive methods of instruction; the study of God's word, and a moral responsibility resting upon the institution for the maintenance of wholesome, helpful discipline.

More briefly, Whitworth College gives the humanities first place among studies, insists upon the supreme value of mental discipline, and seeks to promote the ideals of life.

GENERAL INFORMATION

THE COLLEGE SEAT.

Tacoma is centrally located and easily accessible by train, the various branches of the Northern Pacific, Chicago, Milwaukee & Puget Sound and Great Northern reaching out into the most important sections of the state. Boat lines connect Tacoma with San Francisco, Victoria and Vancouver, B. C., with the Alaskan ports, and with Seattle and the many points upon the Sound. Ocean liners from Yokohama, Hong Kong and Honolulu afford regular and convenient service to distant ports. An interurban electric line, with an hourly service, connects Tacoma with Seattle and intermediate points.

Tacoma is noted as a city of beauty and beautiful homes. Its regularly laid out streets, well kept public parks, the scenic attractions, and the culture and taste of its people, make it a desirable residential city, and an ideal location for a College.

The many well sustained churches, the Public Library, the Ferry Museum, the Y. M. C. A. and Y. W. C. A. are some of the indications of generous refinement and a correct public opinion.

The various art, musical and literary organizations attest the intellectual status of the inhabitants where the college has found its home. Tacoma has also an enviable distinction as an educational center, so that the college finds genial conditions securely established.

THE SITE.

The home of the college is in a suburban addition to the City of Tacoma. It is a favorite residence section, familiarly known as the "North End." The college buildings stand upon a high bluff, or promontory known as Inspiration Point, commanding a view with a wonderful variety of attractive features. The site overlooks the City of Tacoma and Commencement Bay, looks down Admiralty Inlet half way to Seattle, and stands opposite Quartermaster Harbor, which is

flanked upon either side by Vashon and Maury Islands. Along the eastern horizon stretches the Cascade range of mountains, visible from Mr. Baker on the north to Mt. St. Helens upon the south, a distance that spans nearly the entire width of the State. Along the western horizon arises the rugged outlines of the beautiful Olympics.

It has been repeatedly stated by world-wide travelers that the view afforded from the portico of the Ladies' Hall is surpassed only by the Bay of Naples.

But scenery is not the only consideration in selecting a site for a college. The elevation and position insure pure and bracing air, free from all contamination. It is the sunniest spot upon the Sound. The buildings are supplied with an abundance of pure spring water. The drainage cannot be surpassed. The sewer system in all its appointments and the heating and ventilation are in strict accord with the latest knowledge of sanitary science.

THE BUILDINGS.

The college occupies six commodious and well adapted buildings:

1. Ladies' Hall.

The Ladies' Hall is reputed to be the most elegant structure of its kind northwest of the Mississippi river. It contains sixty commodious and well finished rooms. Large verandas extending along the front and one end of The Hall afford unusual opportunities for young ladies to promenade during rainy weather. This feature is not only enjoyable, but it is one of very great practical value. From its spacious colonnade and verandas a most beautiful, inspiring, picturesque landscape, sea and mountain scene can be had. In front stretches the opposite wooded shore line, which rises upward to the foothills of the Cascade range, flanked on the north by Mt. Baker and toward the south by Mt. St. Helens, nearly the scope of the State; while the magnificent father of mountains, snow covered, touched with silvery splendor by the sun, looms up, seventy miles to the east, superb, grand, in unchallenged stateliness. To the left the eye reaches as far as it can see down the peaceful waters of Puget Sound in the direction of Seattle, dotted here and there with huge white steamers and ocean freighters moving hither and thither like gigantic swans casting their shadows upon the



A GROUPING OF SOME OF
The Ideal Place for Cult



A SUPERB OUTLOOK OVER THE SOUND
The Inspirational Point in Tacoma, Vashon and Maury Islands to the Left and the Famous



THE BUILDINGS
e and Study



FROM THE LADIES' HALL
rbor to the Right. This Location for a Ladies' Hall is Unexcelled in America

waters. On either side are the broken promontories and structures of Admiralty Inlet, Quartermaster Harbor, and Vashon and Maury Islands. To the right, in the great vale, just at the spectator's feet, are the towers and pinnacles and domes of the beautiful city of Tacoma, teeming with her throbbing life, bathed in the sunlight. Back along the wide western horizon are seen the rugged shoulders of the resplendent Olympics. The interior of the building is no less of educational value. The best that architectural skill could devise is here in evidence. The reception halls and drawing rooms and grand staircase have been pronounced by visitors from the east as unsurpassed for beauty of design and detail, and as worthy of careful study. The spacious dining hall and living rooms are in keeping with the rest of the building. The structure is well lighted with electric light and is heated with steam. The home life of the resident student is always a matter of prime importance. The ethical, social and aesthetic aspects of school life are marked features in this institution, and to these vital considerations this building and its appropriate surroundings lend ready inspiration and enduring support.

II. The Lodge.

"The Lodge," or Men's Hall, is practically a three story building, arranged for comfort and convenience, with all the modern improvements and facilities. In the basement, which is high and spacious, are located the central heating plant and shower baths. The next two stories are given up largely for living purposes. The rooms on both floors open into large halls, the one on the first floor being designed as a reception hall.

III. The Mason Hall.

The Mason Hall is one of the scholastic buildings. Large verandas extend around the whole building, making an exceptionally fine promenade for the students during either rain or sunshine. Above the roofed verandas are open verandas made accessible by four large double doors on the second floor. A spacious glass tower crowns the building from which views of the city, Sound and mountains can be had. The first floor is occupied by the Chapel, which measures 50 by 100 feet, and will seat comfortably 400 people. The second story is utilized for

Library, administration and scholastic purposes. There are five recitation rooms, the President's Office and the Library.

IV. Olmsted Hall.

Olmsted Hall is a residence of eleven rooms, the generous gift to the college of Mrs. W. A. Olmsted of Chicago. It is a contribution to the cause of missions, and it is the intention of the Board of Trustees to furnish and equip it as a delightful home for the children of foreign, Alaskan and home missionaries while at college for their education, when the needed fund is secured. It will be made the center of mission study and work in domestic science, which latter is especially important to those who will return to foreign parts to teach and to labor among the people. Until these plans are realized Olmsted Hall will be used as a Cottage Dormitory the occupants taking their meals at The Ladies' Hall, distant only one block.

V. Erwin Hall.

Erwin Hall is the generous gift of the late Mr. and Mrs. S. H. Erwin, of Prescott, Wash. It is a spacious three story building, with a basement 12 feet high by 30 and 60 feet. The ground floor is neatly fitted up for two large, well-lighted Laboratories, a chemical and physical laboratory.

The east half of the second floor constitutes the musical studios and parlors, the west half the science room and biological laboratory. The third floor is the girls' hall, and the fourth floor is occupied by the art studio. Erwin Hall is well lighted throughout, with special provision for photographic art in the art studio. These buildings all have excellent drainage, steam heat, electric light, and every provision for comfort and health.

VI. Gymnasium.

A spacious gymnasium has been erected this past year. The dimensions of the building are 90 by 115 feet. The front portion of

the building is two stories and a basement; the basement containing director's office and examination rooms, the first and second floors containing beautiful "Fraternity" Halls for the College Literary Societies, and Y. M. C. A. and Y. W. C. A. rooms. These rooms are made attractive, gifts from friends of the college having been received for this purpose. The Y. W. C. A. room is a memorial by Mr. and Mrs. V. W. Sander, Coeur d'Alene, Idaho, in memory of their daughter Henrietta, and the Y. M. C. A. room is a gift of H. H. McMillan, Davenport, Wash. The gymnasium proper is one of the finest in the Northwest, with the largest floor space and the only gymnasium with over-head running track for winter indoor track work. All the facilities for the best and sanest physical culture are being installed, including a huge swimming pool, shower bath, etc. A regular director is in charge. The annual fee for Gymnasium and Athletics is \$10.00.

THE LIBRARY.

The foundation of the College Library proper was laid by Mr. Carlo W. Shane, now deceased, formerly of Vancouver, Washington, who made the first donation, consisting of a large number of valuable books. In 1893, Mrs. Bertha P. Thompson gave 297 volumes to the library, to be known as the "James Prentice Thompson Library." Two years later Mrs. Hannah S. Spangler, wife of Rev. Joseph M. Spangler, a member of the Presbytery of Puget Sound, gave almost the entire library of her husband (300 volumes); to be known as the "Spangler Library." Mrs. Scott, widow of the late Judge Scott, gave a number of volumes to the library. Mrs. A. W. Bash, of Seattle, recently added 200 volumes. Many of these books and pamphlets are old and rare, rendering these library additions of unusual value.

The college possesses what is widely known as the Allen C. Mason library, consisting of over six thousand well selected volumes. This is an excellent working library, consisting largely of general literature, art, history and philosophy, besides the reference books usually found in a well-selected library of that size. A great amount of time and means were expended in making this collection, and the results attest the scholarship and refined taste of the founder.

Funk, Wagnalls Company gave a very valuable collection of sociological works; also reference books, through the efforts of Rev. J. A. Laurie, Sr. There are other smaller contributions.

Among prominent features of this collection may be noted complete sets of Blackwood, the Edinburgh Review, The Century and Harper's Magazines. The library on the whole is distinctly a working library for a college, containing large works on literature, art, history, philosophy, science and reference works. It is thus eminently adapted for research work.

The Tacoma Free Public Library, which has recently moved into its new and elegant Carnegie building, contains over 25,000 volumes, both in its circulation and reference departments, and is valuable for student use.

LABORATORIES.

The Science Department has three laboratories—a chemical laboratory, a physical laboratory and a biological laboratory.

The Chemical Laboratory is modernly equipped throughout with fixtures and apparatus. New tables, with hot and cold water sinks, cases, hoods and other necessary accessories have been installed. Each student has a locker, with table space of his own, and is supplied with the necessary apparatus for his course. Each student, moreover, works independently and is enabled to do advanced and research work.

The Physical Laboratory occupies one half of the large basement of Erwin Hall. Physics and geology have been separated from chemistry and biology, and the laboratory equipped with cases and heavy tables and a large assortment of apparatus.

The Biological Laboratory occupies a large room on the first floor of the same building and is so situated that it can be thrown open and made one with the science lecture room. A good assortment of specimens and apparatus have been selected and secured and the laboratory is well fitted up with new tables and cases.

MUSEUM.

The basis for a museum has been obtained, consisting of a number of valuable contributions, mainly the gift of Rev. John McMillan, Ph. D., now of Garber, Oklahoma, made up of curios gathered in South Africa. A valuable addition has been made in a study collection of rocks from the United States National Museum. A large number of carefully selected mineral specimens have been purchased. Prof. Voris' private collection of rocks and fossils is available for use of the classes in Geology. Marine life is abundant and each year collections are made.

The institution is particularly fortunate in having free access to the celebrated Ferry Museum. The benefits of this large and valuable collection of coins, curios, historical relics, old books and other interesting specimens, are free to this institution, thus making the museum, with all its treasures, as available for educational purposes as though owned by the college itself.

The State Historical Society has its rooms in the City Hall, where a large collection of historical material pertaining to the State has been arranged for public study and investigation. Students have privileges.

THE RELIGIOUS LIFE.

The object of Whitworth College is to extend the benign influence of Christian education. The administration of the college is in full accord with this lofty purpose, while magnifying the reasonableness of the religious life as a man's truest and best life, it imparts no sectarian instruction and makes no sectarian requirements.

Each day a brief chapel service is held, which each student is required to attend.

All students are required to attend religious services every Sunday morning in a body. Only such students as may be excused upon requests of parents and pastors for denominational reasons are exempted from the operations of this rule. By order of the Board.

The Day of Prayer for colleges is now one of the College Days, and is regarded by the students as a helpful and inspiring occasion.

The Y. M. C. A. and Y. W. C. A. organizations are well established, and are doing a fine work among the students, maintaining numerous religious services of their own. Both of these organizations send representatives each year to the Pacific Coast Student Conferences at Capitola, California, and Gearhart Park, Oregon.

Vesper Services are held each Sunday afternoon at five o'clock, in The Ladies' Hall. Vespers is now one of the features of the home life, the services being adapted particularly to student need.

The Y. P. S. C. E. of the neighborhood, well sustained by the various shades of religious belief commonly found in any community, holds Sunday evening service in Bethany Church, two blocks from the college.

STUDENT ORGANIZATIONS.

The Student Body maintains an organization known as the Student Association, that has control of all associated student effort except the religious and literary societies. Among the enterprises conducted by the Student Association may be mentioned, the Whitworthian (the student paper), the various athletic associations, and the minstrel show.

A student's eligibility for athletic teams at any time depends upon his having passed a reasonable number of hours' work the previous term, and his continuance on teams is determined by the regular standard in daily work.

The dues to the Student Association are \$2.50, payable annually at the time of registration, at the office of the College.

The Kappa Gamma Society is an organization of young women of college grade for literary work. The regular meetings of this Society during the past years, and the several public programmes, have been of unusual merit.

The Criterion Club is a literary society composed entirely of young men and young women of college rank.

The Thalian is a literary society of the Preparatory School.

The several classes in both College and Preparatory School are organized for mutual improvement and the promotion of class and general college spirit.

The Dramatic Club is an organization of young women that occasionally gives delightful public performances.

The J. P. S. is a social club of young women in the Preparatory School.

The minstrel show is one of the college events of unusual interest. It is always a high grade performance.

The Lawn Tennis Club is another permanent organization. A tournament is held each spring.

One of the social events of the year is the Colonial party, with costumes and forms of entertainment in keeping with "Auld Lang Syne." The college literary societies have charge of this affair, under the direction of the Faculty.

The Preparatory School always celebrates Valentine Day by a party of its own.

THE CECIL RHODES SCHOLARSHIP.

Mr. Frederic D. Metzger is in his first year's residence in Oxford as the elected scholar of the state.

AN ACCREDITED SCHOOL.

By action of the State Board of Education, Whitworth College has been registered as an accredited school, the diploma being accepted as fulfilling all the scholastic requirements for a State Teacher's Certificate. The candidate must pass a professional examination in History of Education, Pedagogy and School Law. For these elective courses are given by the Department of Philosophy. Teachers can take special normal work, and are required to teach classes under the head of the different departments. This is an excellent feature for young teachers.

Graduation from the college with the A. B. degree has been accepted by the University of Chicago, post-graduate scholarships having been issued to graduates. Also Columbia.

The regents of the University of the State of New York have registered the A. B. degree of the college as meeting all the usual scholastic requirements of this degree.

Higher official endorsement than the above can hardly be required by an inquiring patron or student.

DISCIPLINE.

The college has but one rule, and that is a very simple one—*to do right*. Good moral conduct, the proprieties observed everywhere in good society, studious habits, promptness and regularity in all engagements, cover, in a general way, all the requirements.

Each student, upon entering Whitworth College, agrees for himself or herself, and, if a minor, the parents guarantee, the careful observance of all requirements made for the welfare of the college and the highest interest of the student.

BOOKS.

Students provide their own books, note books and tablets. The college operates its own book store, in Mason Hall, selling all books at list price, and stationery and all school supplies at the usual price of stationers.

EXPENSES.

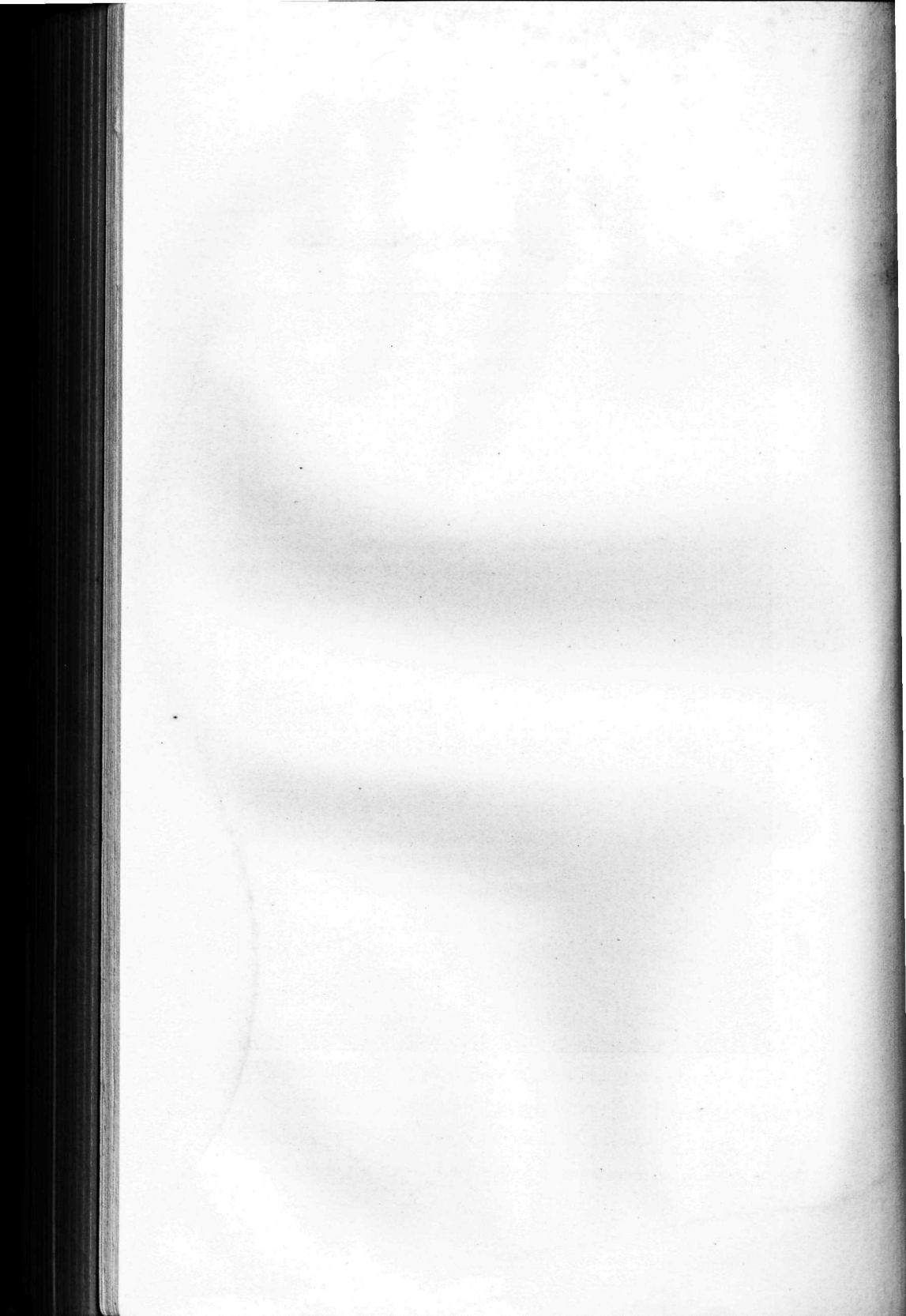
Tuition in the college is \$18.00 per term of twelve weeks, or \$54.00 per annum, payable, each term, in advance.

Tuition in the academy is \$16.00 per term of twelve weeks, or \$48.00 per annum, payable, each term, in advance.

Tuition in the commercial school is found on page 77.



RECEPTION HALL



Room rent, including light and heat, varies from \$6.00 to \$8.00 per month, depending upon size, location and accommodations, payable, each term, in advance.

Table board is \$3.50 per week, payable, each term, in advance.

When a room has been selected, a deposit of \$5.00 must be paid to reserve the room. This deposit will be credited to the rent account of applicant, but will be forfeited if the room is not occupied.

Personal expenses should be very light, as social demands are not in the least extravagant, probably less than at home. Economy is taught and cultivated.

All bills to the college are payable *strictly in advance*. No student will be allowed to attend any classes beyond two weeks of any term with unsettled bills.

Students are expected to dress neatly, but a large and expensive wardrobe is not only not required, but is not desired.

Deductions.—No deduction is made from the tuition in any department, except in case of prolonged sickness. A student entering during the first month of any term will pay the tuition fee for the entire term; a student leaving during the last month of any term will not be entitled to any rebate. A rebate is given by a certificate which is honored upon the return of the student.

Discounts.—To sons and daughters of clergymen, of any denomination, a discount of 50 per centum is made in tuition in all the scholastic departments.

REPORTS.

The grade of a student is determined by combining the daily work in class with the examination results.

The marking system adopted records results in percentage; 75 is the lowest passing percentage.

THE DEAN OF WOMEN.

The young women, both day students and boarders, are under the immediate supervision of the Dean. She is their friend, counsellor and director.

The young men are under the same regulations that govern the life and conduct of the young women.

HOME DEPARTMENT.

PRONOUNCEMENT.—*Whereas:* We, as a Board of Trustees, to whom is entrusted the oversight and direction of Whitworth College, and into whose hands is committed the character and destiny of the pupils of this institution, declare it to be our earnest desire that the students shall attain to the highest spiritual life, together with a thorough and liberal education.

And Whereas: The primary object of this College as a Christian institution, is to afford ample opportunity to the young men and young women to acquire a thorough education in all the higher branches of learning, together with every possible Christian influence.

Therefore, Be It Resolved: That we assure parents throughout the world that these ends shall be attained.

That we assure them that all harmful amusements, such as dancing and card playing, are strictly forbidden in the college, and on the part of the pupils committed entirely to our custody.

That we assure the church at large that the institution is distinctly Christian, and that all its professors are required to exert a Christian influence over the students.

Furthermore, Be It Resolved: That we as a Board of Trustees, having assured the world and the church at large of our purposes and intentions to educate, train and Christianize young men and young women, urge pastors and parents throughout the Church to become friends and patrons of Whitworth College, assuring them that the young men and young women sent forth from our college will be fitted for the truest and largest service in the Kingdom of our Lord, and will

reflect the greatest credit on their Alma Mater. (Special resolution, adopted by the Board of Trustees, April 26, 1904, and ordered printed in the catalogue.)

THE SOCIAL LIFE.—The Whitworth College home life is a distinctive feature. That every phase of social contact shall be salutary and helpful it is imperative that no one be admitted to the college family circle who is unworthy of confidence and respect. For this reason no applicant is received as a boarder who is not well recommended by persons known to the college authorities as entirely responsible. The sole condition is moral worth, not birth, position or wealth.

It makes no difference how humble the social sphere or inept in social usage, the applicant is welcome to Whitworth, and is assured in advance of congenial associations if he or she is morally worthy and anxious to improve. Upon the other hand, no amount of social pretensions will induce the authorities to accept the applicant if believed to be undesirable, or to retain a student found to be morally injurious to the college circle.

THE SABBATH.—The tranquil suburban location of the college, the wonderfully inspiring scenic surroundings, the privileges of the library and reading room, the companionship of teachers and the quiet of one's own room, ought to make Sunday at the college one of the best influences the institution affords. Any sort of engagement or amusement incompatible with the peace, quiet and restfulness of the Sabbath day, certainly unfits the student for the occupations of the week, and should be scrupulously avoided.

HOME REGULATIONS.—Non-resident students must board and room with the college family, under the immediate supervision of the President and faculty.

In exceptional cases non-resident students may be permitted to board with friends or relatives in the city, or, possibly, to room and board themselves, upon written application to the President to do so, setting forth clearly the proposed plan, accompanied by the written consent of the parents or guardians, if the applicant is a minor, to the arrangement, it being agreed that the regulations governing students, as far as practicable, will be studiously and scrupulously observed.

Business engagements are made only with parents and guardians of applicant, if a minor. All arrangements are for the school year unless otherwise expressly stipulated, but in no case for less than one term of twelve weeks or the unexpired portion of the term after entering the institution.

Friday evening is a social evening, the home circle usually providing some form of entertainment in which all are expected to join.

No student in residence may spend an evening at any place of amusement, or the night away from the college, without proper excuse previously granted. Visits at home or out of town over Sunday, and all engagements that interfere with the usual hours of work, rest and regularity in living will seldom be permitted.

Each boarder furnishes his or her napkins (six), napkin ring, mattress for three-quarter bed, and bedding, including pillow, pillow cases and bedspread, hand and bath towels, laundry bag, toilet articles, and carpet or rug for the floor. Every article, if practicable, must be plainly marked in indelible ink, with the owner's name.

The rooms are large, each having a large closet. The college furnishes steam heat and electric light; also a three-quarter bed, with woven iron spring, a dressing case, study table, chair, rocker, washstand and window shades. The bed makes up in the day time as a lounge or couch, with spread, pillow and cushions, giving the room the appearance of a cosy sitting room instead of a sleeping apartment.

The laundry is taken by a laundry wagon, under special arrangement with the college, whereby superior service is given students at reduced rates. No laundry work is permitted in The Ladies' Hall. A pressing and ironing room, open at definite periods, is provided for the young ladies for the pressing of dresses and other apparel. No electric irons are permitted in the rooms.

Each student makes a deposit as an indemnity for breakage not due to ordinary usage. The fee, less breakage, if any, will be returned at final settlement. Room key must be returned before final settlement.

Guests at meals are charged twenty-five cents per meal.

Students may board at the college during the Christmas vacation at the regular rate, under the usual home regulations.

HOME BILLS.—No deduction is made from the home bills of the term of twelve weeks remaining, on account of suspension or dismissal; in case of protracted absence, owing to illness, covering a period of four consecutive weeks or more, the loss on board will be shared equally with the parent. This concession does not include room rent, which must always be for the three months entered upon. No fraction of a boarding week, or of a month's rent, is ever considered in rendering bills.

Study hours are from 7:30 to 9:30 p. m., except Friday night. Students are free from college duties Sunday afternoon and evening, except at Vesper service.

TO REACH THE COLLEGE.

BY BOAT.—The wharves are all near the Pacific Avenue trolley line.

BY TRAIN.—The Point Defiance car passes in front of the Northern Pacific depot. Fare paid upon the Interurban entitles the passenger to a transfer to the Point Defiance line. *Ride to North Forty-second Street, and walk two blocks to the college.*

BAGGAGE.—The college has a special arrangement, at favorable rates, with the T. B. & C. Transfer Co., for delivery of baggage. Students should bring their checks to the college with them to insure prompt attention and delivery. The Matron looks after the baggage for girls, and the Superintendent at the Lodge for the boys.

Immediate needs should be provided for by carrying hand baggage.

PUBLICATIONS.

The Whitworth College Bulletin is published monthly, and sent free upon application. Address the college.

The Whitworthian is the college paper, published by the Student Association at a nominal subscription price. It should be in the hands

of every friend of the college and prospective student. Address *The Whitworthian*, care of the College.

INFORMATION BUREAU.

This bureau is designed to be of help to worthy young men and women who must obtain an education, either entirely or in part, through self-help. The bureau is the logical result of an increased demand for employment on the part of students, and it aims to bring the employer and employe together. No institution in the great Northwest has a better location for this class of young people.

The opportunities for earning support are many. The method is honorable and highly to be commended to young people of limited means but with an unquenchable thirst for learning. No young man or woman needs to live in this day or age without a college education. For particulars address Information Bureau, Whitworth College.

THE COLLEGE

ADMISSION.

Every application for admission must contain definite information as to the age and health of the applicant, the school last attended, and the studies pursued.

The applicant must submit satisfactory recommendations and references as to good character, industry and promptness in fulfilling all engagements; also a certificate of honorable dismissal from the school last attended.

Blank application forms may be secured of the President.

A student may enter either by diploma from an accredited High School or by examination.

Applicants entering by examination will find the requirements outlined below.

ADMISSION TO FRESHMAN CLASS.

All candidates for admission to the Freshman Class, not provided with certificates as above, must pass an examination upon the following branches:

*ENGLISH—

- (1) A thorough knowledge of Grammar;
- (2) Elementary Rhetoric and Composition;
- (3) Ability to read with intelligible expression;
- (4) In the study of the masterpieces the college adopts, substantially, the official announcement of the Joint Conference of the College and Secondary Schools—

*NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom or division into paragraphs.

**LATIN—

- (1) Four books of Cæsar's Commentaries;
- (2) Six orations of Cicero;
- (3) Six books of Vergil's Aenied;
- (4) Latin prose composition;
- (5) Sight reading.

*GREEK—

- (1) Greek Beginners' Book;
- (2) Xenophon's Anabasis (four books);
- (3) Homer's Iliad, books I-III.
- (4) Greek prose composition and syntax.
- (5) Sight reading.

*GERMAN—

- (1) German Grammar;
- (2) Prose translation;
- (3) Sight reading;
- (4) German prose composition.

MATHEMATICS—

- (1) Arithmetic, including the Metric System;
- (2) Hall & Knight's School Algebra;
- (3) Plane and Solid Geometry, with original problems.

HISTORY—

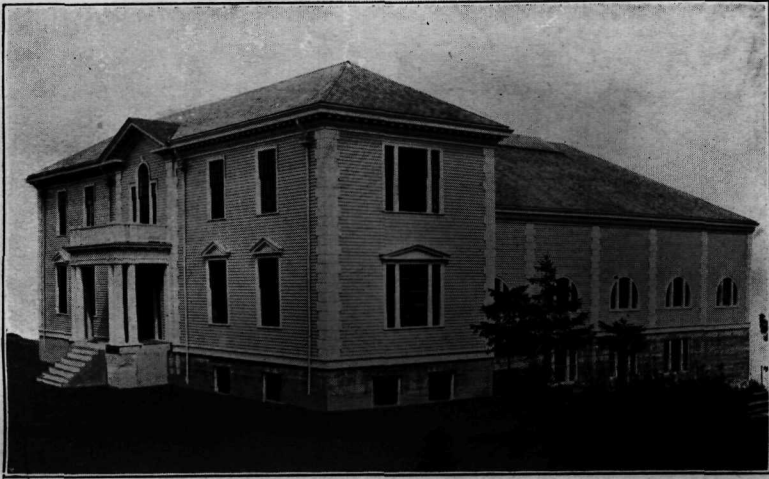
- (1) English History;
- (2) Ancient History.

SCIENCE—

- (1) Elementary Physiology;
- (2) Physical Geography;
- (3) Elementary Physics;
- (4) Botany;
- (5) General Chemistry.

*NOTE.—Greek is required of candidates for admission to the classical course; German to the philosophical course.

**Latin is not required above one year for scientific course, but an equivalent in foreign languages may be substituted. Where Latin is taken throughout, the course is Latin-Scientific.



NEW GYMNASIUM AND LITERARY HALL



ERWIN HALL

ADMISSION TO ADVANCED STANDING.

Students from other colleges, with certificates of honorable dismissal, applying for classification higher than the Freshman year, must give satisfactory evidence of having thoroughly performed the work of this institution preceding that of the classes they wish to enter, or, else, be examined on the studies that have been pursued by the class they desire to enter.

COLLEGE COURSES.

The college work is divided into four groups, designated for convenience as "A," "B," "C," and "D."

Group "A," or the Languages, comprises six divisions, as follows:

- (a) Latin; (b) Greek; (c) French; (d) German; (e) Spanish; (f) English.

Group "B," or Mathematics and Science, comprises, at present, seven divisions:

- (a) Mathematics; (b) Physics; (c) Chemistry; (d) Physiology; (e) Botany; (f) Biology; (g) Electricity.

Group "C," or Philosophy, comprises, at present, six divisions:

- (a) Psychology; (b) Ethics; (c) Logic; (d) History of Philosophy; (e) Movement of Thought; (f) Psychology of Religion.

Group "D," or Political Science, comprises four divisions:

- (a) Economics; (b) Sociology; (c) Political Science; (d) Applied Economic principles.

Under each division (see "Courses of Instruction") are as many courses, designated as I, II, III, etc., as the institution now offers in that branch of learning. From these four groups, with the inclusive divisions and courses, the college curriculum is made up.

REQUIREMENTS FOR DEGREES.

The college presents three degrees—Bachelor of Arts, Bachelor of Philosophy, and Bachelor of Science. Essential courses are divided into major requirements and minor requirements. The courses of in-

struction proffered embrace those essential to the degree sought, hence required, and those non-essential, or elective.

To attain the degree of Bachelor of Arts, the candidate must make Group "A" the basis of his work, meeting major requirements in Latin, Greek and English, taking minor requirements in Group "B," besides having some elections taken from Groups "B," "C," and "D."

To attain the degree of Bachelor of Philosophy the candidate must make Group "A" the basis of his work, with major requirements in Latin, German and English, taking minor requirements in Group "B," besides having some elections taken from Groups "B," "C," and "D."

To attain the degree of Bachelor of Science, the candidate must make Group "B" the basis of his work, with major requirements in Mathematics and Science, minor requirements in Group "A" and elections from Groups "A," "C," and "D."

GROUPING STUDIES.

These three elements—major requirements, minor requirements, and elections—admit of various combinations, having due regard, upon the one hand, to firmness and definiteness, and upon the other, to choice and elasticity.

The college bases its offered work mainly upon the following combinations (see "Courses in Outline"), which are designated as *standard* courses, believed to be peculiarly logical and well balanced.

COURSES IN OUTLINE.

CLASSICAL COURSE.	PHILOSOPHICAL COURSE.	SCIENTIFIC COURSE.
FRESHMAN.	FRESHMAN.	FRESHMAN.
Hours	Hours	Hours
Greek 4	German 4	Mathematics 4
Latin 4	Latin 4	Science 3
Mathematics 4	Mathematics 4	English 4
English 4	English 4	German 4
Bible History 1	Bible History 1	Bible History 1
Total Hours17	Total Hours17	Total Hours16
SOPHOMORE.	SOPHOMORE.	SOPHOMORE.
Greek 4	German 4	Mathematics 4
Latin 4	Latin 4	Science 3
History 3	History 3	History 3
Science 3	Science 3	German 4
Bible 1	Bible 1	Bible 1
Physical Culture 2	Physical Culture 2	Physical Culture 2
Total Hours17	Total Hours17	Total Hours17
JUNIOR.	JUNIOR.	JUNIOR.
Greek or Latin 3	German or Latin 3	*Mathematics 4
English 2	English 2	Science 3
History 3	History 3	Philosophy 4
Philosophy 4	Philosophy 4	Bible 1
Science 3	Science 3	Electives 4
Bible 1	Bible 1	Total Hours16
Total Hours16	Total Hours16	
SENIOR.	SENIOR.	SENIOR.
Greek or Latin 3	Latin 3	*Mathematics 4
English 4	English 4	English 4
Political Science 4	Political Science 4	Biblical Literature ... 1
Electives 4	Biblical Literature ... 1	Political Science 4
Biblical Literature ... 1	Electives 4	Electives 4
Total Hours16	Total Hours16	Total Hours17

* Mathematics or Science at the option of the student electing the course.

CIVIL ENGINEERING.

Preparatory Course the same as the Latin Scientific Course.

FRESHMAN. Fall Term.	FRESHMAN. Winter Term.	FRESHMAN. Spring Term.
Hours.	Hours	Hours
College Algebra I (a) . . . 4	Trigonometry—Plane and Analytical III	Trigonometry—Plane and Analytical III
Mechanics II (a) . . . 2	(a) 4	(b) 4
Mechanical Drawing I (a) (4 hours as 2) . . . 2	Mechanics II (b) . . . 4	Surveying IV (a) . . . 4
Latin or French . . . 4	Mechanical Drawing I (a) (6 hours as 4) . . . 4	Mechanical Drawing II. (a) (6 hours as 4) 4
German 4	Latin or French . . . 4	Latin or French . . . 4
English 4	German 4	German 4
Bible 1	Bible 1	Bible 1
Total Hours 21	Total Hours 21	Total Hours 21
		Field Work—Summer Term of 4 Weeks.
SOPHOMORE.	SOPHOMORE.	SOPHOMORE.
Analytical Geometry X (a) 4	Analytical Geometry X (b) 4	Calculus IX (a) 4
Surveying, Topogra- phical and Hydro- graphical IV (b) . . . 4	Surveying, Topogra- phical Field Astron- omy IV (c) 4	Mechanics—Theoretic- al and Applied XII (a) 4
Topographical Draw- ing III (a) 2	Physics 4	Topographical Draw- ing III (b) 2
Chemistry (Labora- tory work) 4	Chemistry 4	Physics 4
Physics 4	Bible 1	Chemistry (Qualita- tive Analysis) 4
Bible 1	Total Hours 17	Bible 1
Total Hours 19		Total Hours 19
		Field Work—Summer Term of 4 Weeks.
JUNIOR.	JUNIOR.	JUNIOR.
Calculus—Differential IX (a) 4	Calculus—Integral IX (b) 2	Principles of Con- struction XV (a) . . . 2
Mechanics of Mater- ials XIII (a) 2	Principles of Con- struction XV (a) . . . 2	Railway Engineering V (a) 4
Properties of Mater- ials XIV (a) 2	Railway Engineering V (a) 4	Graphical Statistics XVI (a) 2
Geology (Determina- tive Mineralogy) . . . 4	Geology (Determina- tive Mineralogy) . . . 2	Cement and Tests (Laboratory) 1
Descriptive Geometry XI (a) 2	Descriptive Geometry XI (a) 2	Geology (General) . . . 4
Highway Surveying IV (d) 2	Geology (General) . . . 4	Geology (Determina- tive Mineralogy) . . . 4
Bible 1	Bible 1	Bible 1
Total Hours 17	Total Hours 17	Total Hours 18
		Field Work—Summer Term of 4 Weeks.
SENIOR.	SENIOR.	SENIOR.
Roofs and Framed Structures XVII (a) . 4	Hydraulic Machinery XX (a) 2	Hydraulic Machinery XX (a) 2
Sanitary Engineering V (b) 2	Engineering Design VII (a) 2	Bridge Design VIII (a) 4
Theoretical Hydraul- ics XVIII (a) 2	Sanitary Engineering V (b) 2	Mine Engineering VI (a) 4
Water Works XIX (a) 2	Mine Engineering VI (a) 4	Political Science . . . 4
Political Science . . . 4	Bridge Design VIII (a) 4	Engineering Design VII (a) 2
Applied Hydraulics (Laboratory) 2	Political Science . . . 4	Bible 1
Railway Engineering V (a) 3	Bible 1	Thesis —
Bible 1	Total Hours 19	Total Hours 17
Total Hours 20		(. h.

To obtain the degree of Bachelor of Arts, the work is apportioned as follows:

Greek and Latin (A), major requirements.....	22	units
English (A), " "	10	"
Mathematics (B), minor " "	4	"
Science (B), " "	6	"
Philosophy (C), " "	4	"
Political Science (D), " "	4	"
Elections	10	"
Bible Study	4	"
—		
Total units	64	

Thirty-two units must be from Group "A," ten from Group "B," four from Group "C," and four from Group "D."

To attain the degree of Bachelor of Philosophy, the work is apportioned as follows:

German and Latin (A), major requirements.....	22	units
English (A), " "	10	"
Mathematics (B), minor " "	4	"
Science (B), " "	6	"
Philosophy (C), " "	4	"
Political Science (D), " "	4	"
Elections	10	"
Bible Study	4	"
—		
Total units	64	

Thirty-two units must be from Group "A," ten from Group "B," four from Group "C," and four from Group "D."

To attain the degree of Bachelor of Science, the work is apportioned as follows:

Mathematics (B), major requirements.....	16	units.
Science (B), " "	9	"
English (A), minor " "	8	"
Modern Languages (A), " "	8	"
Philosophy and Political Science (C), (D), " "	9	"
Elections	10	
Bible Study	4	
—		
Total	64	units.

Twenty-five units must be from Group "B," sixteen from Group "A," and nine from Groups "C" and "D." Students who make science the first major can make mathematics the second major of 9 units. The election is open to the student.

Combinations adapted to manifestly peculiar aptitudes and necessities may be made, upon petition, at the discretion of the Faculty, but under no circumstances may a student select a course of instruction requiring less effort, or affording less disciplinary or culture value, than a *standard* course.

All elections, save as to a few advanced courses, must be made from the subject regularly offered in the standard courses, as outlined above, and must be approved by the Faculty.

Two hours of laboratory work, counting as one hour of recitation, constitute a unit.

GRADUATION.

To graduate requires, inclusive of Bible Study and Physical Culture, 66 units.

To graduate *cum laude* requires, inclusive of Bible Study, 68 units, with scholarship of uniformly high rank.

To graduate *magna cum laude* requires, inclusive of Bible Study, 70 units, with scholarship of uniformly high rank.

NOTE.—The term system now in vogue will, in all probability, be changed next year to the Semester plan.

COURSES OF INSTRUCTION

PHILOSOPHY.

Courses in the Department of Philosophy are open to students after their Freshman year and in order of their arrangement.

I.—LOGIC. Deductive with a practical treatment of Inductive reasoning. The work is based upon Hyslop as a text, affording a clear exposition of and abundant practice in sound reasoning and argumentation.

Fall Term. *Four Hours Weekly.*

II.—PSYCHOLOGY... This course is designed to lead the student to acquire the habit of psychological analysis and to cultivate the power of independent and abstract thought. The course is accompanied with lectures. A portion of the work is occupied with an analysis of the complex mental processes in the light of advanced experimentation. Sheep brain and individual research work is conducted. James' Psychology is the basis with Baldwin, Ladd, McCosh, Dewey and others as reference works.

Winter Term. *Four Hours Weekly.*

III.—ETHICS. This course presents a treatment both theoretical and practical with the view to ascertain the foundation of moral obligation; the place of the will, conscience and the nature of virtue and the moral law. The student is expected to obtain a working knowledge of the leading systems of ethics and to discover the true basis of obligation and the fundamental principles of moral conduct. Gregory's *Christian Ethics* is used as a guide.

Spring Term. *Four Hours Weekly.*

IV.—HISTORY OF PHILOSOPHY. History of Ancient, Medieval and Modern Philosophy. The course covers a careful survey of Greek, Roman, patristic and modern speculative theories with text and lectures. The course is supplemented with critical readings from Plato's *Republic*; Aristotle's *Metaphysics*; Descartes' *Meditations*; Locke's *Essay on the Human Understanding*; Berkeley's *Principles of Human Knowledge*; Hume's *Treatise on Human Nature*, and Kant's *Critique of Pure Reason*.

Three Hours Weekly Throughout the Year.

V.—MOVEMENT OF THOUGHT IN THE 19TH CENTURY. Special course for seniors. Course IV. is a pre-requisite. Leading speculative theories of the past century are critically analyzed with a view to clear conception of recent philosophic investigation and to cultivate philosophizing.

Spring Term. *Three Hours Weekly.*

VI.—PSYCHOLOGY OF RELIGION. Course II. is a pre-requisite. This course is based upon Starbuck's *Psychology of Religion* and investigates the phenomena of religious experiences in the light of advanced experimentation.

VII.—PEDAGOGY. Rosenkranz' Philosophy of Education.

Elective.

VIII.—PEDAGOGY. School Management.

Elective.

IX.—PEDAGOGY. School Supervision.

Elective.

Courses VII., VIII. and IX. will be given those preparing to teach, and will be developed as required. The pre-requisite of these courses are Courses I., II and III. Text-books, lectures and practical discussions indicate the line of instruction followed.

In this and all departments the principle of alternation of subjects will be employed when deemed practicable for the interest of the department.

ECONOMICS AND POLITICAL SCIENCE.

I.—POLITICAL ECONOMY. Mill's text is used. Special reading and discussions. It is the design of this course to cover the general scope of economic study.

Fall Term. *Four Hours Weekly.*

II.—SOCIOLOGY. A complete survey of sociological history and method, also the various groupings of socii, the social life as determined by laws of settlement, and the principles involved in social improvement. Small and Vincent is the text used as a basis.

Spring Term. *Four Hours Weekly.*

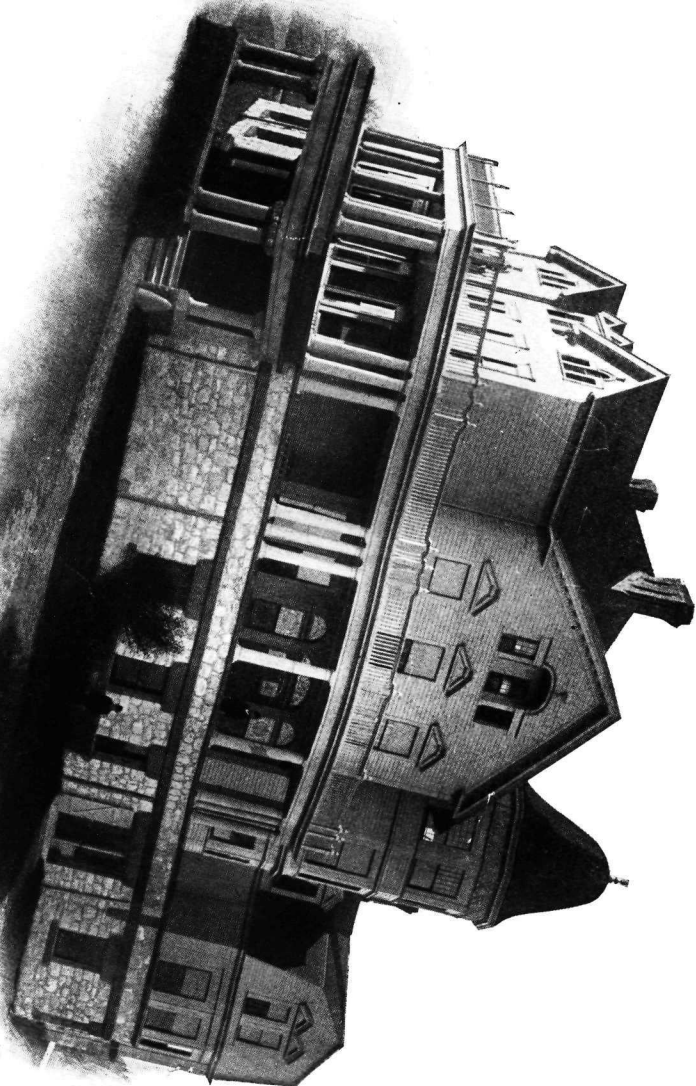
III.—POLITICAL SCIENCE. Woodrow Wilson's *The State*.

Spring Term. *Four Hours Weekly.*

IV.—ECONOMIC PRINCIPLES APPLIED. Lectures and topical discussions on the problems of Socialism, Communism, Taxation, Railroads, Public Utilities, State and Private Institutions for public good, statistical research, etc. Courses I. and II. are pre-requisite.

Spring Term. *Four Hours Weekly.*

LADIES' HALL



LATIN.

I.—Augustan and Ciceronian prose. Livy and Cicero. Livy (Part of Book XXII.). Cicero (*De Amicitia*, or *De Senectute*). Sight-translation. Composition.

Spring Term. *Four Hours Weekly*.

II.—Augustan prose. Livy (Books XXI., XXII.). The author's literary style and his worth as an historian. Sight-translation. Composition.

Winter Term. *Four Hours Weekly*.

III.—Augustan poetry. Horace (*Odes*, *Epistles*, *Ars Poetica*). A study in the metrical system of Horace, and in lyric poetry. Sight-translation. Composition.

Fall Term. *Four Hours Weekly*.

IV.—Pliny (selected letters). A study of Roman private life and customs. Theses by the student upon assigned topics.

Fall Term. *Three Hours Weekly*.

V.—Elegiac and Lyric poetry. Catullus, Propertius, Tibullus and Ovid.

Winter Term. *Three Hours Weekly*.

VI.—Satire and Epigrams. Horace, Juvenal and Martial. History of Roman satire, with special reference to the periods of these authors. Topic papers by the students.

Spring Term. *Three Hours Weekly*.

VII.—History of Latin literature. This course is supplementary to Courses IV., V. and VI., and is given by lectures. Mackail, *Latin Literature*.

One Hour Weekly Throughout the Year.

VIII.—Comedy. Plautus (two plays). Study of dramatic prosody and archaic forms. Lectures upon the Roman drama. Latin composition.

Fall Term. *Three Hours Weekly*.

IX.—Comedy. Terence (two plays). Continuation of the work of Course VIII. Latin composition.

Winter Term. *Three Hours Weekly*.

X.—Tragedy. Seneca (two plays). The relation of tragedy to Roman life. The period of Seneca. Composition.

Spring Term. *Three Hours Weekly.*

XI.—The early empire. Tacitus, Agricola and Germania. A study of the causes that led to the establishment of the Roman empire, and its political institutions.

Fall Term. *Three Hours Weekly.*

XII.—Tacitus. Annals. A continuation of Course XI.

Winter Term. *Three Hours Weekly.*

XIII.—Roman philosophy. Lucretius (*De Rerum Natura*). The general development of Roman philosophy, and its influence on Roman religion and customs.

Spring Term. *Three Hours Weekly.*

Courses VIII, IX, X, alternate with XI, XII, XIII.

XIV.—Teachers' Latin Course. Intended for those who expect to teach Latin. A thorough study analytically of the Latin grammar from the standpoint of principles. An investigation of the methods of instruction, of the aims of a Latin course, and the various text-books. For juniors or seniors.

One Hour Weekly Throughout the Year.

GREEK.

I.—Lysias. An introduction to Greek oratory.

Fall Term. *Three Hours Weekly.*

II.—Xenophon's *Memorabilia* or Plato's *Apology*. A study of Greek philosophy, especially Socrates and his school.

Winter Term. *Three Hours Weekly.*

III.—Homer's *Odyssey*. Rapid reading of selections from Books I.-XII.

Spring Term. *Three Hours Weekly.*

IV.—Greek Literature. Text-book with readings. Supplementary to IV., V. and VI., and required of students taking those courses, but intended also for all students of literature, whether taking Greek or not.

One Hour Weekly Throughout the Year.

V.—Greek Oratory. In 1909-10. Demosthanes on the Crown.

Fall Term. *Four Hours Weekly.*

- VI.—Greek Tragedy. In 1909-10. Oedipus Tyrannus of Sophocles.
Winter Term. *Four Hours Weekly.*
- VII.—Greek Comedy. In 1909-10. The Clouds of Aristophanes.
Spring Term. *Four Hours Weekly.*
- VIII.—New Testament Greek. Various portions of the Greek New Testament are studied in successive years.
One Hour Weekly.
- IX.—History of Greek Art. Text-book and lectures, illustrated by photographs and lantern slides. Open to all students.
Two Hours Weekly Throughout the Year.
- Courses V. VI. and VII will vary each year, thus offering an elective to Seniors.

MODERN LANGUAGES.

GERMAN.

- I.—Lessing: Dramatist and Critic. Lessing's life and his influence upon literature, both as a dramatist and critic, is made the basis of discussion. This course also includes reading, translation and memorizing. Works read and discussed. Minna von Barhelm and Nathan der Weise. German prose composition.
Fall Term. *Four Hours Weekly.*
- II.—Schiller: Dramatist and Poet. Reading, essays, discussions. Works studied and discussed: Wilhelm Tell, Marie Stuart, and Das Lied von der Glocke.
Winter Term. *Four Hours Weekly.*
- III.—Goethe: His life and Works. Lectures, short papers, discussions of Sturm and Drang period. Works read and discussed. Poems (selected): Herman and Dorothea, and Egmont.
Spring Term. *Four Hours Weekly.*
- IV.—History of German Literature. General survey of German literature from early beginning to 18th century, as associated with the political and social history of Germany. Papers and discussions.
Fall Term. *Three Hours Weekly.*
- V.—Goethe's Faust. History of the Faust legend. Dramatic representation in 17th and 18th centuries. Critical study of Part I., Faust.
Winter Term. *Four Hours Weekly.*

- VI.—Heine's Prose and Lyrics. Text-book, Heine's *Die Harzreise*.
Spring Term. *Four Hours Weekly*.
- VII.—Schiller's *Wallenstein*. Discussion of the political and social background.
Fall Term. *Three Hours Weekly*.
- VIII.—Kleist and Grillparzer. Study of Prinz von Homburg and Sappho. Comparison in style of the Prussian and Austrian poets in their respective dramas.
Winter Term. *Three Hours Weekly*.
- IX.—Modern German Drama. This is a rapid reading course requiring a thorough knowledge of German Grammar. Texts read: Hauptmann's *Die Versunkene Glocke* and *Das Friedenfest*, Sudermann's *Heimat*, and *Frau Sorge*.
Spring Term. *Three Hours Weekly*.

GERMAN CLUB.—No student is eligible to membership who has not had at least six months' previous preparation in German. The object of the club will be to develop the practical side of the language by means of reading, conversation, singing German college songs, and giving German plays.

FRENCH.

- I.—Elementary Course. The work in this course will comprise the rudiments of grammar, and easy exercises designed to fix in memory, forms and principles of grammar, to cultivate ease in reproducing abstracts; attention given to dictation and careful memorizing.
Fall Term. *Four Hours Weekly*.
- II.—Elementary course Continued. Books used in this course for French beginners: L'Abbe Constantin, Halevy; *La Tache du Petit Pierre*, Mairet; *Poudre aux Yeux*, Labiche et Martin; *Lettres de mon Moulin*, Daudet. The books read vary from year to year, advantages being taken of the constant additions that are being made to text-books available for modern language study. Reading: Simple French, Francois and Giroud.
Winter Term. *Four Hours Weekly*.
- III.—Elementary Course Concluded. During these three courses, the student's entire energy is concentrated upon correct pronunciation, and accurate reading knowledge of the language in connection with written exercises, dictation, translation and composition.
Spring Term. *Four Hours Weekly*.

IV.—Modern French. The oral reproduction of stories by French writers, so selected as to bring out the natural aspects of French life. Biographical sketches of leading writers, illustrated by typical selections from their works. *Morceaux Choisis*, Daudet; *Pecheur d' Islande*, Loti; *Le Violon de Faience*, Champfleury; *La Debacle*, Zola. French prose composition.

Fall Term. *Three Hours Weekly.*

V.—Life and Works by Victor Hugo. Works read and discussed: *Hernani* selections from *Les Miserables*, *Les Travailleurs de la Mer*, *Quatre-Vingt-treize*. This work is supplemented by discussions, memorizing and essays. Prose composition.

Winter Term. *Three Hours Weekly.*

VI.—French tragedy. The French Academy, natural and institutional theatres in Paris. Rise of French drama, form and spirit compared with that of England, discussed in this course. Following books will be read: *Le Misanthrope*, Moliere; *Les Precieuses Ridicules*, Moliere; *Le Cid*, Corneille; *Andromaque*, Racine.

Spring Term. *Three Hours Weekly.*

VII.-VIII.-IX.—Literature and Composition. Review of grammar. Prose composition. Reading of plays and novels of the 17th and 18th centuries. Dictation. Texts: *Troisieme Annee de Grammaire*, Larive and Fleury; *Advanced French Prose Composition*, Francois; *French prose of the 17th Century*, Warren; *Voltaire's Prose*, Cohn and Woodward; *Jeu de L'Amour et du Hasard*, Marivaux; *Le Barbier de Seville*, Beaumarchais. *Historie de la Literature Francaise*, Duval.

Three Hours Throughout the Year.

SPANISH.

I.-II.-III.—Elementary Spanish Grammar. Class-room reading of modern plays and stories. Grammar, Hills and Ford; *Spanish Reader*, Ramsey; *El Capitan Veneno*, Alarcon; *El Si de las Ninas*, Alarcon.

IV.-V.-VI.—Literature and Composition. Grammar. Composition. Reading of principal dramatists. *Spanish Literature*. *Spanish Composition*, Ford; *Marianela and Dona Perfecta*, Galdos; *La Vida es Sueno*, Calderon; *Jose, Valdes*; *Extracts from Don Quijote*; *Spanish Literature*, Clark.

NOTE.—Students are expected to have a knowledge of Latin and French before taking up the courses in Spanish.

ENGLISH LANGUAGE AND LITERATURE.

I.-III.—Rhetoric and Composition. Text: Genung's "Working Principles of Rhetoric." Daily and weekly themes, and a study of the principles of rhetoric. In the second term, special attention is given to argumentation and practical debating. In the third term models of modern prose composition are studied. Original speeches and orations required of all Freshmen.

Throughout the Year. *Four Hours Weekly.*

IV.—History of English Literature. A general survey of its development through the different schools from the earliest times to Milton. Collateral reading in Chaucer, Spencer and Shakespeare.

Fall Term. *Three Hours Weekly.*

V.—History of English Literature. Effect of political and social changes upon the literature. The Classical School. Collateral reading.

Winter Term. *Three Hours Weekly.*

VI.—History of English Literature. Romanticism. Readings from the great romantic writers. Special theses on work of the year.

Spring Term. *Three Hours Weekly.*

VII.—Drama. Laws and technique of the drama. Lectures on the development of dramatic literature. Reading and criticism of plays of old English dramatists.

Fall Term. *Two Hours Weekly.*

VIII.—Shakespeare. A careful study of selected plays. Course VII. is a prerequisite.

Winter Term... *Two Hours Weekly.*

IX.—Shakespeare. Continuation of Course VIII.

Spring Term. *Two Hours Weekly.*

X.—The Georgian Poets. Representative works of Wordsworth, Shelley and Keats. Lectures on principles of literary criticism.

Fall Term. *Two Hours Weekly.*

XI.—The Victorian Writers. Browning, Tennyson, Ruskin and Carlyle. The effects of the critical, scientific, religious, artistic and social movements of the age upon its literature are considered.

Winter Term. *Two Hours Weekly.*

XII.—The Novel. A study of the development and function of the modern novel.

Spring Term. *Two Hours Weekly.*

XIII.-XV.—Old English. The Old English language is studied with a view to giving the student a thorough grounding in the early form of our language. Reading of Old and Middle English literature. Alternates with X.-XII.

Throughout the Year. *Two Hours Weekly.*

HISTORY.

- I.—General History. The Ancient Civilization. The Orient and Greece.
Fall Term. *Three Hours Weekly.*
- II.—General History. Rome.
Winter Term. *Three Hours Weekly.*
- III.—General History. The Transition. The Middle Ages.
Spring Term. *Three Hours Weekly.*
- IV.-VI.—Modern Civilization. A critical study of Europe from 1450 to 1908.
Throughout the Year. *Three Hours Weekly.*
- VII.-IX.—Constitutional History of the United States. Introductory outline of the English Constitution. Topical, theses and seminar work.
Throughout the Year. *Three Hours Weekly.*
- X.-XII.—Constitutional History of England. Growth of the English Constitution. Constant comparison with American usages.
Elective. *Two Hours Weekly.*
- XIII.-XV.—Modern Epoch Study. Seminar in modern France. Rise of Prussia. New German Empire.
Elective. *Two Hours Weekly.*
- XVI.-XVII.—History of Missions. This course is designed not only to cover the history, biography, literature and the present status of missions, but also to investigate the geographical, political, economic and social status of the missionary lands.
Fall and Winter Terms. *Two Hours Weekly.*

MATHEMATICS AND CIVIL ENGINEERING.

- I.—(a) College Algebra from Quadratics.
Fall Term. *Four Hours Weekly.*
- II.—Mechanics, Magnus. (a) Uniform Motion, Variable Motion, Graphical representation of Motion. Composition and Resolution of Motion, Falling Bodies and Special Cases. Measurement of Force, Dynamical Formulæ. Expulsion Force, Newtonian Laws.
Fall Term. *Two Hours Weekly.*
- (b) Energy, Work, Friction, Varieties of Energy, Conservation of Energy. Machines, application of the law of Energy, the Wheel and Axle. The Pulley, inclined plane. Theory of Equilibrium. Centre of gravity. Methods of finding mass-centre.
Winter Term. *Four Hours Weekly.*

III.—(a) Trigonometry, Plane and Analytical (Hall and Knight).

Winter Term. *Four Hours Weekly.*

(b) Trigonometry. Lectures on the Solution of Triangles.

Spring Term. *Four Hours Weekly.*

IV.—Surveying. Text-book: Gillespie, Part I.

(a) Theory and Practice. Use of Instrument and its adjustments, also Field Practice. Books of reference: Raymond, Johnson, Carhart.

Spring Term. *Four Hours Weekly.*

(b) Surveying. Theory and Practice. Use of Instrument. Level work, topographical and hydrographical railway, city and mine surveying, also Field Practice.

Fall Term. *Four Hours Weekly.*

(c) Surveying. Topographical and hydrographical, railway, city and mine surveying, field astronomy. Text-book: Gillespie Higher Surveying. Books of reference: Raymond, Carhart, *Topographical Drawing and Sketching*, Reed.

Winter Term. *Four Hours Weekly.*

(d) Highway Surveying. Culverts, grades, paving material, construction, specifications and practical problems. Text-book: Baker. Books of reference: Reed, *Streets and Pavements*, Baker; *The Science of Road Making*, Herschel.

Fall Term. *Two Hours Weekly.*

V.—(a) Railway Engineering. Curves, location computations, earth work. Text-book: *Railway Curves and Earth Work*, Allen. Books of reference: *Trautwine's Engineering Pocket Book*; *Field Engineering*, Searles; *Field Book for Engineers*, Henck; *Railway Curves and Location*, Shunk.

Winter Term. *Four Hours Weekly.*

(b) Sanitary Engineering. Sewers, sewage disposal, general principles of sanitation. Text-book: *Cleaning and Sewerage of Cities*, Baumeister. Books of reference: *Sewage Disposal*, Waring; *Sewers and Drains*, Adams; *Drainage and Sewerage of Buildings*, Gerhard.

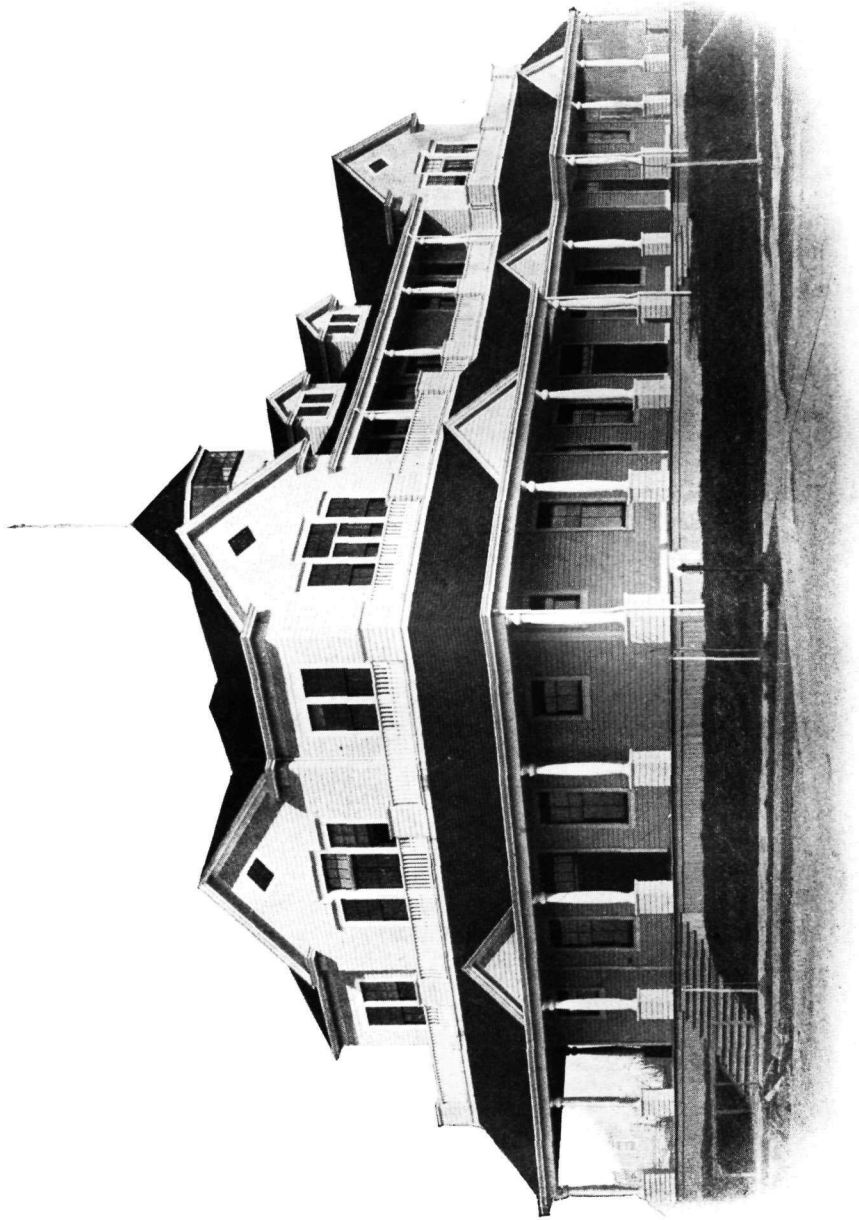
Fall and Winter Terms. *Two Hours Weekly.*

VI.—(a) Mining Engineering. Quarry Methods, Tunnels, Mines, Timbering, Ventilation, Underground Operations, Shafts. Text-book: *Quarry and Mine Methods*, Foster; *Tunneling*, Drinker. Books of reference: *Practical Tunneling*, Simms; *Mining manual*, Ihlseing.

Winter and Spring Terms. *Four Hours Weekly.*

VII.—(a) Engineering Design. Complete Plans, specifications and estimates, drawing.

Spring Term. *Two Hours Weekly.*



THE MASON LIBRARY AND ADMINISTRATION BUILDING

- VIII.—(a) Bridge Design. Complete working drawings.
Winter and Spring Terms. *Four Hours Weekly.*
- IX.—(a) Calculus, Differential. Continuous quantity, differentiation, limits, analytical application, geometric application. Successive differentiation. Differential of algebraic functions. Maxima and minima.
Spring and Fall Terms. *Four Hours Weekly.*
- (b) Calculus, Integral.
Winter Term. *Two Hours Weekly.*
- X.—Analytical Geometry.
- (a) Loci and their Equations. The straight line, the circle, rectilinear and oblique system of co-ordinates. Polar system. Transformation of co-ordinates. Text-book: Wentworth.
Fall Term. *Four Hours Weekly.*
- (b) The Parabola. Methods of construction of the parabola. The ellipse. Hyperbola. Polar equations of the hyperbola. Text-book: Wentworth.
Winter Term. *Four Hours Weekly.*
- XI.—Descriptive Geometry.
- (a) Problems relating to point, line and plane. Principles relating to the cylinder, cone and double curved surfaces of revolution. Intersection of planes and solids, and the development of solids.
Fall and Winter Terms. *Two Hours Weekly.*
- XII.—Theoretical and Applied Mechanics.
- (a) Kinematics, statics and kinetics, especially in reference to problems of engineering, as in dams, retaining walls, friction and motive power. Text-book: Wright's *Elements of Mechanics*. Books of reference: Lanza, Rankine; Minchin.
Spring Term. *Four Hours Weekly.*
- XIII.—Applied Mechanics.
- (a) Strength of materials, beams, girders, columns, rivets, joints, etc. Text-Book: Merriman's *Mechanics of Materials*. Reference books: Alexander and Thompson's *Applied Mechanics*, Lanza's *Applied Mechanics*.
Fall Term. *Two Hours Weekly.*
- XIV.—Properties of Material.
- (a) Wood, stone, brick, cement, concrete, iron, steel, paints, explosives, etc. Text-book: *Materials of Engineering*, Thurston. Books of reference; *Materials of Machines*, Smith; *Stones of Buildings and Decorations*, Merrill; *Steel*, Metcalf; *Paints, Colors, Oils and Varnishes*, Hurst; *Cements, limes and Plasters*, Eckles.
Fall Term. *Two Hours Weekly.*

XV.—Principles of Construction.

- (a) Foundations, masonry, retaining walls, dams, piers, etc. Text-book: *Masonry Construction*, Baker; Books of reference: *Designs and Construction of Masonry Dams*, Wegmann; *Wooden Bridges*, Foster; *Contracts and Specifications*, Johnson.

Winter Term. *Two Hours Weekly*.

XVI.—Graphical Statics. Lectures.

Spring Term. *Two Hours Weekly*.

XVII.—Roofs and Bridges.

- (a) Framed structures, trestles, cranes, drafting, plans and specifications. Recitations and drawing. Text-book: *Merriman's Roofs and Bridges*. Books of reference: *Stresses in Bridge and Roof Trusses*, Burr; *Wooden Trestle Bridges*, Foster; *Bridge Drafting*, Wright and Wing.

Fall Term. *Four Hours Weekly*.

- XVIII.—(a) *Hydraulics—Hydrostatics*, their measurements, flow of water through pipes, orifices, canals, rivers, co-efficient of friction, celebration of nozzles. Text-book: *Hydraulics*, Merriman. Books of reference: *Experimental Engineering*, Carpenter; *Practical Hydraulic Formulæ*, Gould; *Manual of Civil Engineering*, Rankin; *Friction of Water Pipes*, Weston.

Fall Term. *Two Hours Weekly*.

- XIX.—(a) *Water Works*. Source, supply and quality. Purification and storage. Construction. Text-book: *Water Works Engineering*, Folwell. Books of reference: *Public Water Supply*, Turncawn and Russell; *Practical Hydraulic Formulæ*, Gould; *Manual Irrigation Engineering*, Wilson; *Water Supply*, Nichols; *Water Supply*, Mason.

Fall Term. *Two Hours Weekly*.

- XX.—(a) *Hydraulic Motors and Machinery*. Water wheels, rams, pumps. Text-book: *Hydraulics and Hydraulic Motors*, Weisbach. Books of reference: *Hydraulics*, Bovey; *Hydraulic Motors, Turbines and Pressure Engines*, Bodmer.

Winter and Spring Terms. *Two Hours Weekly*.

- XXI.—(a) *Descriptive Astronomy*. Text-book: Young.

Candidates for the Bachelor's degree in Civil Engineering must at the conclusion of the course present theses on subjects relating to their course, and, upon approval by the Faculty, will receive the degree of C. E.

MECHANICAL DRAWING FOR CIVIL ENGINEERING.

- I.—(a) Descriptive Geometry and Mechanical drawing. Orthographic projections lettering. Plane sections. Conic sections. Intersection of surfaces. Developments. Geometric perspective, applied to practical problems. Text-book: Church's Descriptive Geometry. Books of reference: Technic of Mechanical drafting, Reinhardt; Mechanical Drawing, Tracy.
- II.—(a) Tracing and Blue Prints. Working Drawings.
- III.—Topographical Drawing. (a) Symbols, contours, profiler. (b) Color Work.

SCIENCE.

CHEMISTRY.

- I.—Inorganic Chemistry. An introduction to the study of Chemistry. The nature and properties of the common chemical elements; the study and application of the fundamental laws and theories concerning their combination and the constitution of inorganic compounds. A beginners course. A certain amount of laboratory work is required in connection with this course. Texts: Remsen's College Chemistry; Newth's Inorganic Chemistry.
Five Hours Throughout the Year.
- II.—Qualitative analysis. A comprehensive course in the qualitative analysis of inorganic bodies and the preparation of organic salts. Noyes Qualitative Analysis, with references.
1909-10. $2\frac{1}{2}$ Credits. Second Half Year. *Five Hours Weekly.*
- III.—Quantitative Analysis. Gravimetric Analysis. The separation and detection of metals, acids, water of crystallization, etc.; analysis of limestone and sanitary water analysis. Newth's quantitative Analysis; Talbot, Caldwell, Mason's Water Analysis, etc.
1910-11. First Half Year. $2\frac{1}{2}$ Credits. *Five Hours Weekly.*
- IV.—Quantitative Analysis. Volumetric Analysis. Volumetric determination of iron and copper in ores, valuation of soda ash, preparation of standard solutions, etc. Analysis of water for boiler purposes and methods for purification. Sutton Volumetric Analysis.
1910-11. $2\frac{1}{2}$ Credits. *Five Hours Weekly.*
- V.—Organic Chemistry. Laboratory work in the preparation and purification of compound selected from the fatty and aromatic series for the illustration of important synthetic reactions and verification of the constants. Texts: Gattermann, Preparation of Organic Compounds.
1909-1910. $2\frac{1}{2}$ Credits. *Five Hours Weekly. Hours to be arranged*

BIOLOGY.

I.—Zoology. A study of typical forms of the invertebrate animals illustrating structure and functions. Discussions of the history, theories, and principles of biology. Practice in identification of species, and classification. Lectures, recitations and laboratory work. Reference books: Parker and Haswell, Jordan and Kellogg, Kingsley.

First Half Year. *Four Hours Weekly. 2 Credits.*

II.—Zoology. A continuation of Course I. The vertebrate forms will be the basis of study.

Second Half Year. *Four Hours Weekly. 2 Credits.*

III.—Botany. A study of general plant relations. Exercises on the analysis and classification of the higher groups of plants. Text book and field work. Text-book: Coulter. Course offered in 1910-1911.

First Half Year. *Five Hours Weekly. 2½ Credits.*

IV.—Botany. Rectification and text-book work, supplemented with lectures and laboratory work. This course will treat of plant structures, and of the biological principles involved in the physiology and development of plants. Reference books: Coulter, Bessey, Atkinson. Course offered in 1910-1911.

Second Half Year. *Five Hours Weekly. 2½ Credits.*

V.—Human Physiology. A course in physiology extending through the first half year| Martin's Human Body (advanced) is used as a text book; Gray's Anatomy as a reference book.

First Half Year. *Five Hours Weekly. 2½ Credits.*

VI.—Histology. A study of Protoplasm, the cell, and tissues as they underlie animal and vegetable life. This course will involve practice in staining, the preparation of microscopic slides, and the use of the microscope. Laboratory work supplemented with lectures and recitations. Reference books: Stirling's Histology; Carpenter, "All About the Microscope." Course offered in 1909-1910.

Second Half Year. *Five Hours Weekly. 2½ Credits.*

PHYSICS AND GEOLOGY.

I.—First Semester, Mechanics, Heat and Sound. Recitations, lectures and laboratory, equivalent to five hours per week.

II.—Second Semester, Light and Electricity. Recitations, lectures and laboratory, equivalent to five hours per week.

III.—Advanced course in electrical measurement and simple construction. One semester, three hours per week, laboratory work and reports on assigned topics.

I.—General geology, dynamical, structural and historical. One semester, five hours per week.

II.—Mineralogy. One semester, four or five hours per week. Laboratory work, with reports and quizzes.

ASTRONOMY.—Descriptive Astronomy. One semester, four or five hours per week.

The fee in Chemistry will be \$2.50 per term, in any course, together with the usual deposit of \$2.00 to cover any breakage.

The fee in Physics and Biology will be \$5.00 for the entire year.

SPECIAL COURSES.—Students preparing for teachers' examinations will have the privilege of forming classes for review of Physical Geography and other sciences. The department is also prepared to give special attention to students intending to study medicine, and invites correspondence or conference in regard to this work.

EQUIPMENT.—The department occupies three fine laboratory rooms, well equipped, in Erwin Hall. Tables for individuals with lockers, cases, hot and cold water, sinks and other accessories, are provided. A hood, communicating with a large smoke-stack affords immunity from disagreeable and noxious gases. The apparatus is carefully selected and varied.

The College also possesses sufficient microscopic material for effective work in Biology, the neighboring ponds and the waters of Puget Sound furnishing a convenient source of supply. Point Defiance and other parks, as well as the surrounding country, also afford an interesting field for Botanical work, unexcelled in any part of the country. The fauna and flora are varied and abundant.

The United States government has selected Point Defiance Park as the big horticultural experiment station of Oriental and European bulbs and flowers. The park is located just north of the College campus.

BIBLE.

The Bible is taught and studied as the inspired book of the Kingdom of God. It is the history of Divine Revelation in order to Redemption. When rightly understood, it is its own best apologetic. When rightly studied and taught, it is itself the best book on "The Evidences" of Christianity, and the highest argument for, and exposition of, Christian Theism. While no discussion of sectarian issues is permitted in class room, and puzzling critical and theological questions are deferred to years when judgment shall have matured, the revealed character of God and His Will concerning daily life are carefully studied. The object of studying the Bible in a college course is not supposed to be *primarily* for devotional and spiritual purposes, but to impart a thorough knowledge of the Book of Books. The endeavor is to arrange a consecutive interdependent and advancing course of study, adapted to the advancement of the student as he goes on through the College Curriculum.

The course as outlined is as follows:

- I.—Hebrew History from Call of Abraham to the birth of Jesus Christ. This gives a rapid survey of many of the books of the Old Testament and the general course of the national history, including the Maccabean period. The Westminster Normal Lessons and Blakie's Bible History are used as text books in connection with the Bible.
- II.—The Life of Jesus Christ as contained in the four Gospels. Text books, "Stevens' and Burton's Harmony" and "Stalker's Life of Christ."
- III.—Historical Study of New Testament books. Lectures are given on authorship, genuineness and authenticity; purposes of writing, and synthetic study of the contents of each book.
- IV.—The Prophets of Israel and the Prophetical Books. This includes study of authorship, environment; the place and function of the prophetic orders of the Prophets themselves; a synthetic study of the major and minor prophets, together with the books of Ezra and Nehemiah.
- V.—The Wisdom Literature, Psalms, Job, Proverbs, Ecclesiastes. This is studied in connection with "Moulton's Literary Study of the Bible" as a text book.
- VI.—The Founding of the Christian Church, as given in the Acts of the Apostles and the Pauline Epistles. A brief history of the formation of the common and a brief history of the English Bible.

THE WHITWORTH ACADEMY

This is a Preparatory School and is maintained for a two-fold purpose—first, to offer a logically arranged elementary course under the peculiarly advantageous conditions afforded by the college; second, to offer a logically arranged fitting course for college. The course starts with the eighth grade as the foundation.

ADVANTAGES.

First.—Heads of departments teach the beginning classes—in Latin, Greek, French, German, English, Mathematics and Science.

Second.—Small classes, permitting the personal attention of teachers and the daily recitation of each member of the class, thus admitting of maximum individual instruction.

Third.—Personal interest of teachers in the progress of each student.

Fourth.—A compact, yet simple, course of study. Energies are not wasted carrying too many subjects—no over-work, worry or discouragement, but efficiency and thoroughness is attained.

It is understood that the studies covered by the eight grades in our public schools must be thoroughly mastered before a pupil is admitted to the regular preparatory classes.

A certificate of graduation is awarded upon the satisfactory completion of the course, i. e., when the requisite number of units have been made.

REQUIREMENTS FOR ADMISSION.

GENERAL.

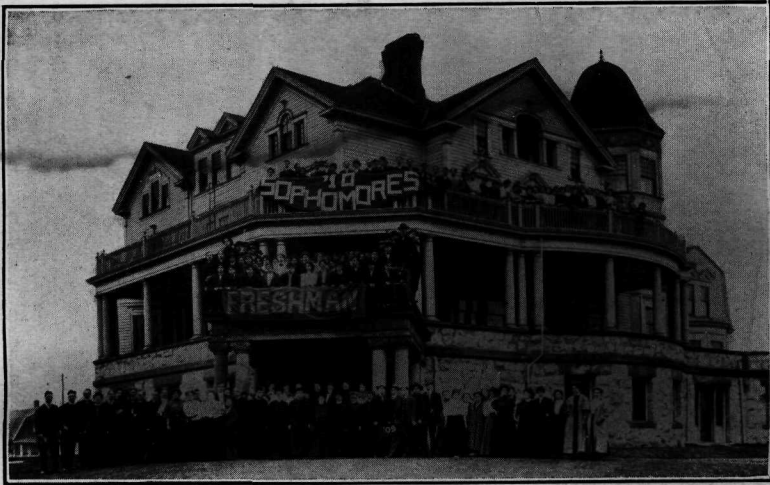
First.—Recommendation or references as to good moral character.

Second.—Certificate of honorable dismissal from last school attended.

SYNOPSIS OF ACADEMIC COURSES.

CLASSICAL. FIRST YEAR.	PHILOSOPHICAL. FIRST YEAR.	SCIENTIFIC. FIRST YEAR.
Latin 5	Latin 5	Latin 5
English 5	English 5	English 5
Algebra 5	English History 3	English History 3
English History 3	Algebra 5	Algebra 5
Bible 1	Bible 1	Bible 1
Total Hours19	Total Hours19	Total Hours19
SECOND YEAR.	SECOND YEAR.	SECOND YEAR.
Latin 5	Latin 5	Latin or Chemistry
English 5	English 5	and Botany 5
Algebra and Physical	Algebra and Physical	English 5
Geography 5	Geography 5	Algebra and Physical
Ancient History 3	Ancient History 2	Geography 5
Bible 1	Bible 1	Ancient History 2
Physical Culture 2	Physical Culture 2	Bible 1
Total Hours21	Total Hours20	Physical Culture 2
THIRD YEAR.	THIRD YEAR.	THIRD YEAR.
Latin 5	Latin 5	Latin or French 5
Greek 5	German or French... 5	German 5
Geometry 5	Geometry 5	Geometry 5
English 3	English 3	English 3
Bible 1	Bible 1	Bible 1
Total Hours19	Total Hours19	Total Hours19
FOURTH YEAR.	FOURTH YEAR.	FOURTH YEAR.
Latin 4	Latin 4	Latin or French 4
English 3	English 3	English 3
Greek 4	Geometry 4	Geometry 4
Geometry 4	French or German... 4	German 4
Physics 4	Physics 4	Physics 4
Bible 1	Bible 1	Bible 1
Total Hours20	Total Hours20	Total Hours20

In the Scientific Course, Latin or French may be substituted for German.



A STUDENT GROUP



CORNER OF CAMPUS

Third.—Report cards, teacher's certificate, eighth grade examination diploma, or statement of proficiency in the several branches given by last teacher, will receive due consideration.

Fourth.—Satisfactory evidence of fitness, by examination or otherwise, for the work desired.

In short, (1) good character, (2) a clean school record, and (3) willingness to work.

Three courses are offered, preparatory for the classical, philosophical and scientific courses in the college.

A *unit* is one recitation period of sixty minutes, each week, for an entire scholastic year—eighteen units means that the student recites eighteen hours each week, for a year. Minimum total units required for completion of the Academy Course is 68. Accordingly, a student must, in the four years, receive credits for 68 units.

For description of subjects consult "Course of Study Briefly Explained."

COURSES OF STUDY BRIEFLY EXPLAINED.

GREEK AND LATIN.—The preparatory courses in Greek and Latin aim to give a thorough drill in the inflections and syntax. In order that this may be permanent, accurate and intelligent, the inflections are taught upon the synthetic principle of these two languages. This method renders the student independent in the mastery and application of these elements; it trains the reasoning faculties, as well as the memory, and prevents the student from blindly following any set paradigms.

The preparatory work in Greek and Latin is along the lines that analyze the principles of grammar, which are involved in the various cases and moods; this is the method particularly of the second and third years. Upon this critical analysis is based the study and application of the various rules, so that the student learns them not only accurately, but also intelligently, knowing the reason as well as the fact.

LATIN I.—Beginner's course, constructions, declensions and conjugations, based on *Fabulæ Faciles* and *Cæsar's Bellum Gallicum*.

First Year. *Five Hours Weekly*.

- II.—(1) Cæsar (Books I. and IV.).
 (2) Latin Writing.
 (3) Sight-reading.

Second Year. *Five Hours Weekly.*

- III.—(1) Cicero. Six orations.
 (2) Sight-reading, based on Sallust.
 (3) Latin Writing.

Third Year. *Five Hours Weekly.*

- IV.—(1) Vergil. Six books on the Aeneid.
 (2) Latin Writing.
 (3) Sight-reading, based on Ovid.

Fourth Year. *Four Hours Weekly.*

GREEK I.—If the student is to take the Classical Course:

- (1) Beginner's book.
 (2) Xenophon's Anabasis (Book I.).
 (3) Greek composition.

Third Year. *Five Hours Weekly.*

- II.—(1) Xenophon's Anabasis (Books II.-IV.).
 (2) Homer's Iliad (Books I.-III.).
 (3) Greek Syntax.

Fourth Year. *Four Hours Weekly.*

ENGLISH.—Eighth grade graduates are supposed to have a fair knowledge of English grammar and composition, and to possess, in some degree, an appreciation of good literature. The instruction in the Academy aims to secure a thorough study of the English language, to train the student in the accurate use of our tongue, and to acquaint him with the treasures to be found in our own rich and masterful literature.

ENGLISH I.—Study of five English masterpieces. Composition in connection with reading. Drill in the avoidance of common errors in English Grammar.

First Year. *Five Hours Weekly.*

II.—Word Study. Derivation and composition of words. Rhetoric. Reading of two books from the list of those required for entrance to college.

Second Year. *Five Hours Weekly.*

III.—Composition and Rhetoric. Mythology. Selected masterpieces.

Third Year. *Three Hours Weekly.*

IV.—Masterpieces: Colleeg Preparatory Reading for 1909-1910, completed.
Special study of the essay and oration. Outline work and rhetoricals.

Fourth Year. *Three Hours Weekly.*

GERMAN.—The preparatory course in German keeps practical ends in view. The aim is to give the student a knowledge of elementary German grammar, ability to understand spoken German, and to converse upon simple subjects, facility in translating easy German, practice in writing and giving paraphrases and reproductions from memory. Importance is attached to correct and expressive reading aloud, and to writing of German script. In Course I. the books used are Lehrbuch der Deutschen Sprache, Spanhoofd; Aus Meinem Koenigreich, Carman Sylva; Der Zebrochene Krug, Zichokke; Novelletten (selected).

GERMAN I.—If the student is to take the Scientific or Philosophical Course:

- (1) Grammar.
- (2) Translation.
- (3) Composition.
- (4) Conversation.

Five Hours Weekly.

II.—If the student elects German in Scientific Course:

- (1) Lessing: Dramatic and Critic. Lessing's life and his influence upon literature, both as a dramatist and critic, made the basis of discussion. This course also includes reading, translation and memorizing. Works read and discussed: Minna von Barhelm and Nathan der Weise.

Fall Term. *Four Hours Weekly.*

- (2) Schiller: Dramatist and Poet. Reading, essays, discussions. Works studied and discussed: Wilhelm Tell, Marie Stuart, and Das Lied von der Glocke.

Winter Term. *Four Hours Weekly.*

- (3) Goethe: His Life and Works. Lectures, short papers, discussions of Sturm and Drang period. Works read and discussed. Poems (selected): Herman and Dorothea, and Egmont.

Spring Term. *Four Hours Weekly.*

FRENCH.—The courses in French, like the courses in German, keep practical ends in view and are conducted upon the same methods.

FRENCH I.—If the student elects French in Scientific Course:

- (1) Elementary Course. The work in this course will comprise the rudiments of grammar, and easy exercises designed to fix in memory, forms and principles of grammar, to cultivate ease in reproducing abstracts; attention given to dictation and careful memorizing.

Fall Term. *Four Hours Weekly.*

- (2) Elementary Course Continued. Books used in this course for French beginners: L'Abbe Constantin, Halevy; La Hache du petit Pierre, Mairet; Poudre aux Yeux, Labiche et Martin; Lettres de mon Moulin, Daudet. The books read, vary from year to year, advantage being taken of the constant additions that are being made to text-books available for modern language study.

Winter Term. *Four Hours Weekly.*

- (3) Elementary Course Continued. During these three courses, the student's entire energy is concentrated upon correct pronunciation, and accurate reading knowledge of the language in connection with written exercises, dictation, translation and composition.

Spring Term. *Four Hours Weekly.*

- II.—(1) Modern French. The oral reproduction of stories by French writers, so selected as to bring out the natural aspects of French life. Biographical sketches of leading writers, illustrated by typical selections from their works. Morceaux Choisis, Daudet; Percheur d'Islande, Loti; Le Violon de Faience, Champfleury; La Debacle, Zola.

Fall Term. *Four Hours Weekly.*

- (2) Life and Work of Victor Hugo. Works read and discussed: Hernani selections from Les Miserables, Les Travailleurs de la Mer Quatre-Vingt-treize. This work supplemented by discussion, memorizing and essays.

Winter Term. *Four Hours Weekly.*

- (3) French Tragedy. The French Academy, national and institutional theatres in Paris. Rise of French drama, form and spirit compared with that of England, discussed in this course. Following books will be read: Le Misanthrope, Moliere; Les Precieuses Ridicules, Moliere; Le Cid, Corneille; Andromaque, Racine.

Spring Term. *Four Hours Weekly.*

MATHEMATICS.—Algebra is carried through the first and the half of the second year. Special attention is given to factoring.

Five Hours Weekly.

Plane and Solid Geometry is the course for the second semester of the third year, and the fourth year.

Five Hours Weekly.

HISTORY.—History is so arranged that students will be enabled to obtain sufficient historical knowledge to pursue their classical studies with an intelligent appreciation of what is implied.

In the first year English History is required. The usual college method is employed, and the published works, letters, and memoirs of the leading men are examined. Ancient History is the course for the second year, and is chiefly introductory to historical study.

PHYSICAL GEOGRAPHY.—An introductory study to science as such.

Second Semester. *Five Hours Weekly.*

GENERAL PHYSICS.—Fall term: Mechanics. Winter term: Heat, Sound and Light. Spring term: Magnetism and Electricity. Most of the laws and phenomena verified by experiment. Millikan and Galis Text and Laboratory Manual are used.

Fourth Year. *Four Hours Weekly.*

CHEMISTRY - PHYSIOLOGY.—A general introductory study with laboratory experiments.

First Semester, Second Year. *Five Hours Weekly.*

BOTANY.—A study of plants as living organisms.

Second Semester, Second Year. *Five Hours Weekly.*

BIBLE.—The exclusion of the Bible from the public schools and the brevity and desultory methods of ordinary Sabbath School teachers, send to college preparatory grades many pupils very ignorant of Holy Scriptures. Not only so, but to some of them, the Bible seems a dry and obsolete book. Manifestly the teacher's first effort must be to awaken interest and fix attention.

The Preparatory Course is therefore arranged to include consecutive study of Bible History. The Bible itself is the text-book. The ground to be covered in a given term is not predetermined, as it must vary with the capacity of different classes. Intelligent mastery of assigned topics is required. One hour a week is allowed to recitation, and at least two written examinations are given each year. Courses outlined under College Courses, page 54.

Students will be expected to provide themselves with a copy of the American Revised Version with References.

SCHOOL OF ORATORY

It is the purpose of this school to give a symmetrical development of body, mind and soul; to produce public readers and speakers, who shall be easy, natural and forceful; to train teachers of expression who shall be worthy exponents of the art.

This school is also designed to afford a system of physical, mental and æsthetic culture for those who realize the value of expression, but who do not desire to enter the profession.

The course extends over three years and furnishes careful instruction in the work outlined as follows:

COURSE I. First Year. Physical Education. Anderson's Free Hand Gymnastics, Bells, Wands, Balls and Clubs; Emerson Exercises; Swedish Exercises; Aesthetic Physical Culture. Rhythmic movements and Fancy Steps and Marches. Voice Culture. In connection with vocal training are considered the careful development of all the muscles and organs used in the production of voice, breathing, change of pitch, pure tone, flexibility of inflection, cultivation of the imagination, clear enunciation and comparative relation in emphasis, memory training. Phrasing and light reading. Literary analysis and interpretation of selected poems. Scotch dialect. Philosophy of Expression, Brown.

COURSE II. Vocal and Aesthetic Physical Culture Combined. Bodily expression, gesture and pantomime. Study of expression in pictures and statuary. The short story, monologue; abridgement and adaptation of selections; studies from Browning and Tennyson. Shakespeare, his life and art; dramatic interpretation; analysis and presentation of plays. Scotch dialect. Sear's History of Oratory. Bible reading. Artistic arrangement of programs. Public Recitals. Public recitals by the pupils are given frequently throughout the year.

COURSE III. Study and Delivery of Great Orations. Sear's History of Oratory continued. Practice teaching, arranging class lessons. Dramatic interpretation of Shakespeare's Hamlet and Macbeth, Schiller's Maid of Orleans, Stephen Phillips' Poems and Dramas. Readings from Hauptmann and Maeterlinck. Bible reading. Modern Comedies: Charles Reade's Nance Oldfield and Christie Johnston.

Students who have completed the prescribed work satisfactorily and whose attendance, application and accomplishment during the three years are satisfactory to the Faculty, will receive a Diploma of Graduation.

Classes for children will be held Saturday mornings. The Director has had wide experience in teaching children's classes, and this feature of the school is destined to become popular. Recitals will be given by the children at the close of each term. Lipping, nasal tone, also other peculiarities or impediments of speech can be cured. \$10.00 a term, one hour a week.

TERMS: Two lessons per week, for one term of twelve weeks, private, \$24.00.

The same in regular class, \$12.00.

Physical Education, two lessons a week for one term of twelve weeks, \$18.00.

All lessons are thirty minutes.

Gymnasium and athletic fee, \$10.00 for the year.

SCHOOL OF MUSIC

Music is a profound modern interest, ennobling the individual, community and national life. In home and school, in social and artistic circles, the elevating influence of music is now recognized as never before. From a practical point of view, as a means of gaining a livelihood, music offers the teacher or performer a field limited only by his merits. To be a musician is to possess coveted gifts. In an educational sense the musician must be broader than his art. The true musician possesses culture and refinement, and is able in point of intelligence to maintain a position of dignity and respect among men. In a moral sense the musician is greater than his art, using his talents for the good of mankind. In an artistic sense the musician is not made by pretensions, hours of tuition and embellished diplomas.

To be a true musician one must be educated liberally and in an atmosphere of culture and refinement, under the inspiration of scholarly surroundings and expectations, in direct contact with influences and efforts consecrated to the well-being of society.

The Whitworth School of Music is based upon the following broad and manifest platform: Music requires scholastic ability for effective work; music is a means of culture, aside from the purely artistic elements; true musical education leads to a generous and helpful use of attainments; earnest, conscientious work and high artistic ideals must ever incite the musical ambitions of the successful student.

SCHOOL METHODS.

The advantages of a musical education received in a School of Music over individual or private instruction are apparent. The musical atmosphere of an institution, the competition growing out of contact with others engaged in similar studies, the personal supervision of teachers during practice, and the class and public recitals, with their unexcelled preparation for confidence and ease in public performance,



A ROOM IN THE LADIES' HALL



COLLEGE ORCHESTRA

and the many possibilities in ensemble or concerted playing and singing, are some of the more noticeable points of superiority of school or class methods over private instruction. The home life, the scholastic opportunities, the large library and the helpful institutional interests afford greater incentives than local or isolated conditions can possibly supply. In addition to these and other advantages, the rates of tuition on account of class or conservatory methods, are much less than such artistic talent would necessarily have to charge for private lessons.

The city offers many opportunities to hear excellent local talent. Eminent professional musicians, in visiting the Pacific Northwest, always include Tacoma in their tours. Meritorious programmes may be attended by music pupils, in company with departmental teachers, thus extending and liberalizing their knowledge of music. Whitworth School of Music is the leading school in the Northwest.

COURSES OFFERED.

Four courses of study are now offered. Voice Culture, Piano-forte, Violin, and Guitar and Mandolin. These courses are briefly outlined herewith.

THE PIANOFORTE.

PREPARATORY COURSE.

1ST GRADE.—The underlying principles of Music; rythm; the relation of sounds; modes; intervals; staff; ear training; technique. Rythmical scales and arpeggios. Preparatory Exercises, Schmidt transposed. Etudes; Vogt, Burgmuller, Krause, Bertini, Ehmant, etc.

2ND GRADE.—Koehler, Op. 50; Czerny, Op. 139; Heller, Op. 47; Kullak, Op. 62; Schumann, Album for the Young (arranged in progressive order by Klauser). Sonatinas by Janke, Gurlitt, Krause, Clementi, Reinecke. Preparatory Exercises, Carl Faelten, transposed.

INTERMEDIATE COURSE.

I.—Germer Technics; Krause Trill Studies; Hasert School of Velocity, Op. 50; Heller, Op. 46; Berens; Bach; easier numbers from twenty-five two-part studies; Czerny School of Velocity, 2d and 3d Books; Raff, Vogt.

Sonatas by Beethoven, Op. 49, Nos. 1-2; D major, Op. 26, No. 3; Clementi Sonatinas, Nos. 6-14-8; Haydn Sonatas; Raff Sonatille; Reinecke Maiden Songs; Mendelssohn, Songs Nos. 2-6-11-12-45, etc.

II.—Cramer Bulow, selected studies; Bertini, Op. 66-177; Jensen, Op. 32; Heller, Op. 45 or 90; Bach, Three Voiced Inventions; Raff, Etudes; Gradus; Krause, Op. 5; Koehler, Op. 128; Czerny, Op. 740; Moscheles Preludes; Beethoven Rondos; Sonatas by Hummel, Schubert, Mozart, Haydn (E flat major, No. 1); Beethoven, Op. 14, Nos. 1-2; Haydn Concertos.

ADVANCED COURSE.

III.—Technic. Tausig's or Jossefy's Daily Exercises; Carl Faelten's Book III.; Moscheles, Op. 70; Kullak Octave Studies; Kessler, Op. 20; Bach Preludes and Fugues; Mendelssohn Preludes and Studies; Thalberg Etudes; Beethoven Variations, Sonatas, Op. 7-22-26-28; Mendelssohn Variations, Op. 82-83; Bach partitas; Mozart Concertos; Hummel Concertos, A minor and A major.

IV.—Chopin, Etudes and Preludes; Carl Faelten's Technic, Book IV.; Bach Preludes and Fugues; English and French Suites; Mendelssohn Preludes and Fugues; Raff Suites; Chopin Nocturnes, Valses; Greig Sonatas, Op.

7; Concertos by Beethoven, Hiller, Moscheles, Weber.

VOICE.

The whole course of instruction is based upon the best methods of the old Italian and modern French and German schools of voice production.

PREPARATORY.

Tone placing, breathing, exercises, Solfeggio, sight reading, ear training, history of music, choral singing.

GRADE I.—Voice, solfeggio, piano, theory and language (French, German or Italian.)

GRADE II.—Voice, advanced solfeggio, ensemble practice, solo singing, advanced sight singing. One language, other than in Grade I.

GRADE III.—Oratorio. Opera. Concert Repertoire. One additional language.

THEORY OF MUSIC.

- I.—Harmony. This course covers notation, the study of intervals and scales, the formation and connection of chords, principles of four-part composition and modulation. Exercises in harmonizing given basses and melodies.
- II.—Harmony. Further study of modulation. Harmonic accompaniment to selected and original melodies. The writing of chants, hymns and chorales.
- III.—Course in Harmonic Analysis.
- IV.—Course in Formal Analysis.

HISTORY OF MUSIC.

- I.—The historical development of music; history of opera and oratorio; development of instrumental music.
- II.—Classical and romantic schools; development of the pianoforte; biographical study of the great composers.

ORGAN.

Arrangements have been made to use the organ in the Temple of Music. Courses arranged with the Professor.

PIANO COURSE IN OUTLINE.

FOR CERTIFICATE OF MUSIC.

PREPARATORY COURSE.

FIRST YEAR.—Two lessons weekly; two hours daily practice.

Latin (first year) 5; English (first year) 5; Bible, 1.

SECOND YEAR.—Two lessons weekly, two hours daily practice.

Latin (second year) 5; Mathematics (first year) 5; Bible, 1.

THIRD YEAR.—Two lessons weekly; three hours daily practice.

Mathematics (second year) 5; English (second year) 5; Bible, 1.

FOURTH YEAR.—Two lessons weekly; three hours daily practice.

Latin (third year) 5; English (third year) 5; Bible, 1.

COLLEGIATE COURSE.

FRESHMAN YEAR—Piano 1. Theory 1.

Mathematics (third year) 5; Latin 1.-III., 4; Bible, 1.

SOPHOMORE YEAR—Piano II. Theory II.
English, I.-III., 4; German, 4; Bible, I.

JUNIOR YEAR—Piano III. Theory III. History, I.
German I.-III., 4; French, 4.

SENIOR YEAR—Piano IV. Theory IV. History II.

GENERAL INFORMATION.

Students sufficiently advanced to pass examination in the work of the first two years may begin in the course with the third year (Course III.).

All candidates for graduation must pursue in the school the courses of the third and fourth years (Courses III. and IV.).

Regular music students are required to take the courses in Theory of Music and History of Music, whether their special line of music be piano, voice or violin.

College students may elect Music, provided they practice not less than six hours weekly, and elect Theory as a part of their music work for at least one year.

PIANO.—Two lessons weekly, with two hours' daily practice, count as four units.

THEORY.—Two exercises weekly count as two units.

REGULATIONS.—Music students are subject to the same regulations as the students of other departments. Tuition for the term must be paid in advance. No reduction will be made for absence from lessons.

PUBLIC RECITALS.—Public recitals by the pupils are given frequently throughout the year.

CLASS RECITALS.—Class recitals, in which all pupils take part, are given in the piano studio each month.

PUBLIC PERFORMANCES.—No student of the department will

be permitted to take a musical part upon any public programme without the permission of the teacher in charge.

FREE ADVANTAGES.—

- (1) Concerts and Lectures given by the Musical Faculty.
- (2) Lectures on Music History.
- (3) Analysis Class.
- (4) Symphony Class.
- (5) Students' Recitals.
- (6) Use of Musical Library.
- (7) Lectures upon Sound by the Science Department.
- (8) Membership in Glee Club.
- (9) Normal Class for practical work in teaching, except as stated above.

CHARGES.—The regular conservatory rates apply to all students alike, but music students taking scholastic work will be charged the uniform price of \$5.00 per term for each course pursued, whether preparatory or collegiate. No charge is made for Bible study. No "private pupil" charges will hereafter be made.

No deduction will be made for absence except in case of serious and protracted illness.

Excused lessons will be cheerfully made up before the end of the term.

EQUIPMENT.—The Piano Department has two large and artistic instruction rooms and well arranged practice rooms. A sufficient number of practice pianos is provided. The Tekniklaviers and several metronomes greatly enhance the working facilities.

The Vocal Department has ample facilities for effective work, including a fine studio and practice rooms.

The Violin and Mandolin Departments have convenient studios.

A small but well selected Musical Library is now an important accessory of this department.

TERMS.

Piano, two half-hour lessons per week for a term of twelve weeks	\$24.00
Voice, two half-hour lessons per week for a term of twelve weeks	36.00
Harmony, in a class of four, for a term of twelve weeks.....	5.00
Harmony, individual lessons, same as Piano.	
Rent of Piano for practice, one hour daily, per term of twelve weeks	2.50
Rent of Piano, two hours daily, per term of twelve weeks....	5.00

THE VIOLIN.

The affiliated department of violin instruction is under the direction of Prof. Olof Bull, so well and so favorably known to the lovers of music as a master of the "king of instruments."

The course of instruction includes, among others, the following recognized studies:

- Hohmann, Method (Vol. I).
- Wohlfahrt, Op. 45 (Nos. I. and II.).
- Kayser, Op. 20 (No. 3).
- Alard, Violin School.
- Dont Studies, Op. 37.
- Kreutzer, Etudes.
- Schradiack, Exercises.
- Caprices, Fiorillo and Rode.

Progress in the studies assigned will depend upon the talent and industry of the student.

Advanced violin pupils will use concertos by Viotti, Rode, Kreutzer, De Beriot, Beethoven, Mendelssohn, etc.

TERMS.—\$1.00 per lesson, payable for the term of twelve weeks, in advance.

MANDOLIN, GUITAR AND BANJO.

LEE R. GRIDLEY.

A new system is employed. The tedious finger exercises, devoid of melody, and other discouraging features of the old method are eliminated by the use of carefully selected melodies and progressive melody exercises, each one designed for a definite purpose, which makes the study a pleasure, and a pure and clean technic are obtained.

MANDOLIN.

Schaeffer, Abt
Schaeffer, Schettler
Lagatree, Farland,

GUITAR.

Seigel, Pettine,
DeLano, Weidt
Lansing, DeLano,

BANJO.

Knell and Brunover.
F. Sor and Corulli.
Bacon and Weidt.

Familiar airs, melodies and variations.

TERMS.—\$1.00 per lesson, payable for a term of twelve weeks, in advance.

COMMERCIAL SCHOOL

This department of the college was organized in recognition of the needs of special training for business, and as a protest against the inadequate short term business course. The aim is to afford training in a comprehensive course of study that will prepare young men and women, both as to character and technical ability, for positions of influence and power in the commerce of the future. The unqualified success of our graduates is proof of the wisdom of the undertaking.

He who would be a leader of his fellow-men needs possess himself of culture and refinement, that he may be able in point of intelligence to maintain a position of dignity and respect among them. Culture and refinement are not gained from books alone, but in an atmosphere of scholarly surroundings as well. Hence, a School of Commercial Science finds itself in a most congenial sphere when a part of a college devoted to a liberal education.

The Commercial School of Whitworth College prepares young men and women for positions of trust in business. The course of study combines a general education with the technical training in commercial subjects. Its classes are carefully graded, and are adapted to graduates of colleges and preparatory schools as well as those who have had but grammar school education. We have no patented way of turning out bookkeepers and stenographers, but if you want to learn and are willing to study, we can make you competent to earn a good living.

All students of the Commercial School are accorded the privileges of the gymnasium and athletics on the same basis as students in other departments of the College. The College life in its various phases and activities gives much of culture and refinement not to be had in an ordinary business school. Polite and courteous manners are today recognized as valuable aids to success in business. Subjects in any other department of the College may be taken in connection with the business course without extra cost to you.

As a great barrier that lies between most young people and an education is the expense. We have reduced the cost to the lowest possible figure consistent with first-class instruction. The Commercial Schools that compare favorably with ours are located in business districts, and having no other means of support, are compelled to charge a higher rate of tuition. Your expenses will be much less here, and at the same time your advantages will be greater.

COMPLETE COMMERCIAL COURSE.

This course is designed to prepare young people for the most difficult and responsible positions to be had in the business world, and embraces such studies as go to make up a thorough, comprehensive course of study, giving to the students a broad outlook and a firm grasp of the situations both at home and abroad. We invite your careful consideration of this course, that you may appreciate the broad training it affords.

The course as follows is for pupils of eighth grade preparation. Those having preparation equal to high school work should complete the course in from one and one-half to two years:

FIRST YEAR.

FIRST HALF YEAR.

Bookkeeping
English grammar
Business Arithmetic
Rapid Calculations
Penmanship
Spelling

SECOND HALF YEAR.

Bookkeeping
English Grammar
Business Arithmetic
Rapid Calculations
Penmanship
Spelling

SECOND YEAR.

FIRST HALF YEAR.

Advance Bookkeeping
and Business Practice
Letter Writing and
Punctuation
English
American Government
and Commercial Law

SECOND HALF YEAR

Advance Bookkeeping
and Business Practice
General History
English
Commercial Geography

THIRD YEAR.

FIRST HALF YEAR.

Shorthand
 Typewriting
 Higher English
 Letter Press Copying
 Manifoldng
 Duplicating Machines

SECOND HALF YEAR

Shorthand
 Typewriting
 Mimeographing
 Tabulating
 Stenographers' Business
 Practice, with Filing
 and Follow-up Sys-
 tems.

This course leads to the degree of B. Accts.

NOTE.—If you have pursued any of the above studies and have grades therein, they will be accepted toward graduation from this course, thus materially shortening the time necessary to complete the course.

SHORTER COURSES.

SPECIAL COMMERCIAL COURSE: This course is designed for those who wish a short business course in bookkeeping and allied subjects. The course is identical with that of the leading business schools throughout the United States, and can be completed in from six to nine months by persons of ability and fair education. Students may enter at any time. The branches are: Business Arithmetic, Business Penmanship, Letter Writing, Spelling, Rapid Calculations, Commercial Law, Commercial Geography, Bookkeeping, Business Practice, Banking and Typewriting.

SPECIAL SHORTHAND COURSE:.. This course is designed for those who wish to prepare, in the shortest time possible, for amanuensis work in a business office. Time required to complete the course is from six to nine months. The branches are: Shorthand, Typewriting, Spelling, Business Correspondence, Penmanship, Letter Press Copying, Mimeographing, Manifoldng, Tabulating, Office Work and Special Bookkeeping.

"I advise parents to have all their boys and girls taught shorthand and typewriting. A shorthand writer who can typewrite his notes would be safer from poverty than a Greek scholar."—Chas. Reade.

EXPLANATION OF STUDIES.

1. **BOOKKEEPING.** In the beginning of this course the student is given a thorough drill in the principles of bookkeeping. Upon the completion of this part of the course he passes directly into the Advanced Department, where he has the opportunity of answering letters, making out and receiving checks, notes, drafts, and other business papers, and carrying out in detail all the necessary office practice incident thereto and called for by the transactions and exhibits which constitute this part of the course of instruction.

2. **COMMERCIAL ARITHMETIC.** The aim is to qualify the student to handle accurately, quickly, and intelligently the class of problems which arise in everyday life. A special study of percentage in all its applications, stocks and bonds, partnership settlements, interest, etc.

3. **COMMERCIAL LAW.** The purpose of this study is not to make lawyers of those who pursue it, but to teach them to discern the ways that lead from litigation and enable them to conduct their business dealings with an intelligent idea of their legal rights and limitations. The various subjects with which the business man should be familiar are explained here in sufficient detail to afford a correct knowledge of the law concerning them.

4. **COMMERCIAL GEOGRAPHY.** Commercial Geography deals with the relations of man to the world's work. Production, transportation, and distribution of commodities are among the great themes it discusses, and in these days of territorial expansion every citizen should be interested in this important and practical study.

5. **BUSINESS CORRESPONDENCE.** This is a branch of business education that receives our most careful attention. A very large amount of correspondence is done by the student during his course.

6. **PENMANSHIP AND RAPID CALCULATION.** Although all the business in our course receives their due share of attention and consideration, we lay special stress on penmanship and rapid calculation. A plain style of penmanship without shade or flourish and one that can be of the most practical value is taught. One-half hour every day is given to drill in rapid calculation. Business men want good writers, and quick, accurate calculators.

7. **TYPEWRITING.** We place this subject in our business course, believing that no business course is complete without the ability to handle the typewriter rapidly and accurately.

8. **GOVERNMENT.** Includes a survey of the historical evolution of government, its origin, growth and the present status of the governments of the world. This is followed by a careful analysis of the government of the United States as outlined in the Constitution. The aim is intelligent citizenship.

9. ENGLISH. Realizing the need of more thorough knowledge of the English language than is offered by the usual commercial courses, we have placed this subject in each year of the course, giving the student three full years of English work.

10. ELECTIVE STUDIES. Here is a great advantage in having a regular Business College in connection with a College doing higher literary work. Without extra expense the commercial student may study Algebra, Geometry, Language, Science, Advanced History, or any other study for which he is prepared.

SHORTHAND AS A BUSINESS FOR YOUNG MEN.

The young man who understands shorthand and typewriting can start out at a salary double that of the one who is ignorant of these branches. And this is only the smallest part of his advantage. The other fellow usually has to start as an office boy or in some other obscure position where he learns little or nothing of the business. The stenographer invariably does work which, if he is ambitious and wide-awake, will make him familiar with the business in a short time.

The average young man has inherent in him the qualities which will enable him to achieve success. After a reasonable amount of general education has been acquired, the young man is confronted with the question of "What can you do?" There is a deadline, as it were, between him and the world of business which he would enter. There are many helps over that deadline. The one which has helped many of our most noted men in business and professional life is that of Shorthand. A position of confidential relation to a man who has achieved success is certainly most helpful. To take the dictation of a strong mind, to come in close personal contact with the detail workings of a great business enterprise, is at least one of the most likely roads to an after life of success. This advantage comes to every stenographer.

The unsurpassed advantages of shorthand and typewriting for young ladies have long been recognized, and scarcely needs special mention. There is no line of employment which offers more pleasant or profitable work to the young lady than these subjects.

The "Touch" system of typewriting is used in our school. The student is taught to write accurately and rapidly without looking at the

keys of the machine, and is therefore enabled to write without being compelled to take his eyes from his notes to find the keys. No machine-operator is up to date who cannot write without looking at the keyboard.

GENERAL INFORMATION.

If You are Deficient in English you can make up the same with us under a specialist, without extra cost to you.

The Time Required to complete either of the above courses will depend upon previous training and ability of the student. Our graduates must be thorough and competent.

Situations paying good salaries can easily be secured for all who fit themselves for the work, and who have shown themselves trustworthy, courteous and willing to earn the salary expected. The business world offers every advantage to the capable, industrious and honest young man or woman, but has no room for the dishonest or indolent.

CHARGES.

THREE YEAR COURSE: First year \$48 per year of nine months. Second and third years, \$60 per year of nine months.

ONE AND TWO YEAR COURSES: \$60 per year of nine months.

All tuitions payable in advance each half year.

Students enrolled in other departments of the college will be charged \$15.00 per half year each for shorthand or bookkeeping, and \$10.00 for typewriting.

Fee for diploma in the Complete Commercial Course, \$5.00. For either of the short courses, \$2.50.

DEPARTMENT OF ART

COURSES IN ART.

I.—DRAWING. Drawing from life, still life, and casts, in crayon, charcoal, pencil pen and ink or wash drawing.

Outdoor sketch classes are formed for the benefit of Art students.

II.—PAINTING. Painting in water colors given special attention, with abundant work in landscape painting. The landscape work is chiefly from nature, and will include composition of landscape and marine. The locality abounds in magnificent natural scenery which afford the student ample inspiration for the artistic ideal.

This course includes still life painting, out of doors and in the studio—flowers, fruits, combined with interesting objects for forms are employed.

III.—ILLUSTRATION AND DESIGN. This course is designed to combine landscape and still life in making illustration for magazines, books and advertising matter; designs for book covers, wall paper, decorations, both practical and ornamental.

IV.—COMPOSITION. Compositions both pictorial and decorative with a view to practical application in illustrations, painting and architecture.

V.—DECORATIVE AND APPLIED ART. Theory and practice of design in line, mass and color. This course will include designing and working in stenceling, block-printing, hand wrought leather and metal. Also design and decoration of china.

FEEES FOR TUITION.

Fees for tuition, \$12.00 per term for one lesson per week, three hours in length.

SCHOLARSHIP PRIZE

Three friends of the College have established a Scholarship Prize, to be known as "The Long-Black-Marshall Scholarship Prize in Economics and Social Science." The purpose of the Prize is to encourage investigations in economical questions especially as they relate to the West and the Orient. Each year \$75.00 will be awarded to the successful contestants. The terms of the contest are briefly these:

1. The subjects for study selected by the Faculty must be announced by March 1. The papers must be typewritten; five copies of which must be given to the Judges. Papers must be in by June 1.
2. The Faculty of the College will appoint three competent Judges, to whom the papers will be submitted, signed *nome de plume*.
3. The competition is open to all students in the College. There will be first, second and third prizes.

SCHOLARSHIPS.

1. Eight scholarships have been established which yield the successful students, each year, \$54.00 each. Only honor students from accredited High Schools are candidates.
2. Four scholarships of \$1,000.00 each have been established through the benefactions of John H. Converse, Philadelphia; Hon. H. B. Silliman, Cohoes, N. Y., and Mr. D. K. Abrams, Ridgefield, Wash. These scholarships are given to worthy young men, who are studying for the Gospel ministry.

Frederic D. Metzger and Kenneth Ghormley both qualified in the Cecil Rhodes scholarship examination January 21, 1908. Mr. Metzger is the elected scholar at Oxford, England, this year. The success of these young men is indicative of the scholastic standing of Whitworth College.

STUDENTS

COLLEGE

The classification of students in the College is based upon the following scheme—Freshmen, those who have credits up to 13 hours; Sophomores, those who have credits from 13 to 24 hours; Juniors, those who have credits from 24 hours to 46 hours; Seniors, those who have more than 46 credits. The following list does not include credits made during 1908-09. Present credits, therefore, are obtained by adding credits secured during the year ending June, 1909. So persons with *no credit mark* are in the Freshman Class.

Arntson, Emilie, A. B.	Tacoma.
Allen, Norma, B. S.	Tacoma.
Anderson, Almar, B. S.	Tacoma.
Allen, Lillian Armetta, B. S.	Puyallup Reservation.
Ask, Cleon John, B. S.	Skagway, Alaska.
Beaven, Mary Frances, Ph. B., 59	Tacoma.
Bradway, Mark W., B. S.	Tacoma.
Biggs, Arline, A. B.	Tacoma.
Bergman, Hilda Axelia, Special	Sedro-Woolley.
Christopherson, Olive, Ph. B., 32 2/3	Tacoma.
Cox, Mary Clarinda, A. B., 57 5/6	Tacoma.
Clark, Laetitia, A. B., 49 1/3	Lancaster, Pa.
Colbert, Percy, Special	Ilwaco.
Doud, Richard Clarence, B. S., 52 1/3	Tacoma.
Denman, Edith, Ph. B.	Tacoma.
Dysart, Avis, Ph. B.	Centralia.
Douglas, Walter, B. S., 4	Seattle.
Dennis, Rollin W., B. S.	Tacoma.
Evans, Virginia, B. S., 15	Tacoma.
Everett, Munro Green, A. B., 27 1/2	Tacoma.
Fleet, Lillian, Ph. B.	Montesano.
Gillam, Bessie Milford, Ph. B.	Centralia.
Ghormley, Kenneth Irwin, A. B., 52	Tacoma.
Guy, David James, B. S., 39 1/3	Chehalis.
Grosscup, Thaddeus, B. S., 14 2/3	Tacoma.
George, Elsie Mada, Ph. B.	Sunnyside.
George, Bernice Norma, B. S.	Sunnyside.
Glenn, Nancy, Special	Tacoma.
Hanley, Charlotte, A. B.	Tacoma.
Hosford, Ellen Kathrine	Tacoma.



MEN'S HALL



OLMSTED HALL



Hunter, Helma Rachel, A. B., 36.....	North Yakima.
Hillis, Etta Joy, Special	Seattle.
Hoke, George Earl, Ph. B.	Tacoma.
Harrison, Millard, Jr., B. S.....	Seattle.
Izumi, Masakichi, B. S.....	Aketa, Japan.
Johnson, James Douglas, Ph. B.....	Pendleton, Ore.
Judson, Edward Dougald, B. S.....	Tacoma.
Kalbus, Helen, Ph. B.....	Chehalis.
Kennedy, Palmer, A. B., 50 1/3.....	Tacoma.
Kinkade, Robert L., A. B.....	Auburn.
Kallander, Anne, Special.....	Nooksack.
Lesh, Alma, B. S., 10.....	North Yakima.
Lackey, Frances Hannah, A. B., 32 1/3.....	Aberdeen.
La Wall, Jessie Katharine, A. B., 57.....	Tacoma.
Libby, Earl A., B. S.....	Tacoma.
Longstreth, Henry Jr., Ph. B., 36 2/3.....	Tacoma.
Lynn, Inez Vera, Special.....	Tacoma.
Major, Ralph Day, A. B.....	Seattle.
McDonald, Chester G., Ph. B.....	Tacoma.
McCallum, Bertha R., B. S.....	Tacoma.
McQuillan, Claud Henry, B. S.	Rochester, Minn.
Martin, Genevieve, Ph. B., 14.....	Tacoma.
Martin, Lulu Una, Ph. B., 15.....	Tacoma.
Nicholson, Harriet Lillian, A. B.....	Tacoma.
Paul, William Lewjs, A. B., 47.....	Wrangall, Alaska.
Pulford, Schuyler	Tacoma.
Platt, William B., Ph. B., 27 1/3.....	Seattle.
Redman, Grace Holde, Ph. B., 33.....	Tacoma.
Robbins, Pearla, B. S., 52 1/3.....	Tacoma.
Rolleston, Gertrude, Ph. B., 54 1/3.....	Tacoma.
Rueber, Horace O., B. S., 26.....	Rochester, Minn.
Rowley, Vadie, B. S., 2.....	Seattle.
Strout, Ethel Margaret, Ph. B., 36 2/3.....	Tacoma.
Smith, Mildred, B. S., 38 2/3	Tacoma.
Smith, Mary, Ph. B., 22.....	Marysville.
Smith, Magnolia, B. S.....	Tacoma.
Shibagaki, Siero, B. S., 1 2/3.....	Miyasaki, Japan.
Strange, Edith Ruth, Ph. B., 7.....	Sedro-Woolley.
Steinborne, Ethel May, Special	Centralia.
Scott, Alvin E., B. S., 4	Kiona.
Skirving, Lawrence J., A. B., 15 2/3.....	O'Neill, Neb.
Turner, Joseph Richard, Jr., Ph. B., 41 2/3.....	Tacoma.
Turnbull, Jean E., 5.....	Tacoma.
Towne, Raphael Statis, B. S., 46 2/3	Tacoma.
Vannatta, Lynn, B. S.....	Tacoma.
Willert, Margareta Elizabeth, A. B, 50.....	Tacoma.

Wilcox, Mary Genevieve, A. B., 36.....	Tacoma.
Warburton, Leota, B. S.....	Tacoma.
Ware, Ethel M., Ph. B.....	Spokane.
Ware, Edith Cavitt, Ph. B., 52 2/3.....	Spokane.
Whitworth, Sydney Edwin, B. S., 17.....	Brighton.
Weber, Frances, Special	Pendleton, Ore.
Young, Clara H., A. B.....	Tacoma.

ACADEMY

THIRD YEAR

Alway, Ralph Mark	Tacoma.
Crandall, Sarah Regina	Tacoma.
Douglas, Clinton Robert	Seattle.
Fitzsimmons, Claude James	Tacoma.
Grumwell, Mary Elizabeth	Prescott.
Harms, Jennie Thresa	Chehalis.
Hegg, William	Sedro-Woolley.
Longstreth, Margaret	Tacoma.
Maulsby, Marguerite Lucile	Tacoma.
McReavy, Clarence James	Tacoma.
Munn, Florence Adelaide	Marysville.
McDonell, Milton Sparrow	South Bend.
Morrill, Vaughan	Tacoma.
Menzies, Ida Lucy	Roslyn.
Mustard, Florence Lillian	Montesano.
McRae, Ruby Mary	Kerriston.
Smith, Frankie Martha	Tacoma.
Silver, Edward	Bellingham.
Sawyer, Thorp Derickson	Tacoma.
Scott, Jesse K.	Tacoma.
Sherrrod, Heisler Holt	Seattle.

SECOND YEAR

Betze, Harry	Tacoma.
Biggs, Erma L.	Tacoma.
Brown, Helen Ruth	Valdez, Alaska.
Curtis, Harold Kinzer	Tacoma.
Denman, Grace	Tacoma.
Dennis, Gail Layton	Everett.
Duff, Harry Brooks	Tacoma.
Fox, Calvin Stewart	Tacoma.
Glenn, Nancy	Tacoma.
Hoke, Samuel A.	Tacoma.

Hitcho, Gora	Tokyo, Japan.
Hazelet, Calvin Cheever	Cordova, Alaska.
Hazelet, Craig Potter	Cordova, Alaska.
Holgerson, Ralph	Tacoma.
Inagaki, Nob	Tacoma.
McKenzie, Glen Elwin	Seattle.
Metzger, Esther Wyckoff	Tacoma.
Presby, Nellie Emma	Goldendale.
Scott, Della Levin	Tacoma.
Spalding, Aimee Bell	Tacoma.
Thomas, Sara Anne	Roslyn.
Thurmond, Jennie D.	Tacoma.
Tunison, Arthur Clinton	Tacoma.
Woodbridge, Frederick Wells	Tacoma.
Wall, Adah Lucille	Winlock.
Young, Lawrence A.	Seattle.

FIRST YEAR

Amerman, Bertha Estelle	Tacoma.
Brown, Andriette Leacock	Tacoma.
Barrette, Frederick J.	Katalla, Alaska.
Brumbaugh, Coila K.	Tacoma.
Callahan, Margaret	Mt. Vernon.
Ezumi, Harry S.	Seattle.
Ewing, Virginia	Buckley.
Fowler, Dorothy	Tacoma.
Flanagan, Harry Emmet	Seattle.
Gray, Milan J.	Auburn.
Henderson, George E.	Tacoma.
Hallowell, Herbert Benedict	Tacoma.
Humphreys, Chester	Ravensdale.
Hansen, Chester Walter	Tacoma.
Huntley, Francis	North Yakima.
Hattori, Yasu	Tokyo, Japan.
Hori, Ryntaro	Seattle.
Hesler, Eva	Tacoma.
Johnson, Alice Evelyn	La Conner.
Johnston, Madeline	Tacoma.
Kessinger, Eva Sadena	Tacoma.
Longstreth, Gerald	Tacoma.
Moore, Greta L.	Portland, Ore.
Morse, Charles Leland	Bellingham.
Mattson, Fred William	Tacoma.
Marinoff, James	Tacoma.
Moen, Daisy	Seattle.
Mulligan, Whitfield C.	Tacoma.

Olson, Clara	Mt. Vernon.
Overmeyer, Carlesta Case	Raymond.
Pike, Norman Charlie	Ridgefield.
Ross, Mary Josie	Olympia.
Russell, Claire Elizabeth	Everett.
Roe, Caroline Clarke	Tacoma.
Ritchey, Eva Elizabeth	Seattle.
Spalding, Hubert Alvin	Tacoma.
Stout, Leora Delton	Hume, Mo.
Takaku, George Kyujiro	Sakuyama, Japan.
Urquhart, Catherine	Krupp.
Urquhart, Grace	Krupp.

COMMERCIAL

Brumbaugh, Coila K.	Tacoma.
Benson, Willard Chesleigh	Vancouver, B. C.
Bignold, Mercedes Beatrice	Montesano.
Bergman, Hilda A.	Sedro-Woolley.
Callahan, Margaret	Mt. Vernon.
Colbert, Percy F.	Tacoma.
Doud, Richard	Tacoma.
Dykeman, Grace	Lexington.
Denman, Grace	Tacoma.
Ewing, Virginia	Buckley.
Fleet, Lillian	Montesano.
Gray, Milan J.	Auburn.
Grunwell, Mary Elizabeth	Prescott.
Glenn, Nancy	Tacoma.
Ghormley, Kenneth	Tacoma.
Harms, Jennie	Chehalis.
Hallowell, Herbert B.	Tacoma.
Henderson, George E.	Tacoma.
Humphreys, Chester	Ravensdale.
Kennedy, Palmer	Tacoma.
Kallander, Annie	Nooksack.
Mattson, Frederick William	Tacoma.
Morrill, Vaughn	Tacoma.
Miethke, Henry Oscar	Fife.
Munn, Florence	Marysville.
McDonald, Raymond Stuart	Vancouver, B. C.
McRae, Ruby M.	Kerriston.
Mustard, Florence	Montesano.
McInnes, Donald, Jr.	Port Angeles.
Olson, Clara	Mt. Vernon.

Rieman, Gilbert Michael	Valdez, Alaska.
Riddle, D. M.	Tacoma.
Pike, Norman Charlie	Vancouver, Wash.
Ross, Mary Josephine	Olympia.
Russell, Claire E.	Everett.
Sonnema, Reka	Tacoma.
Thomas, Sara Anna	Roslyn.
Tunison, Arthur Clinton	Tacoma
Tanner, E. O.	Tacoma.
Thurmond, Jennie De	Tacoma.
Weber, Frances	Pendleton, Ore.
Wilton, Edward	Fife.

SCHOOL OF MUSIC

PIANOFORTE

Biggs, Arline	Tacoma.
Brown, Helen	Valdez, Alaska.
Crandall, Dorothy	Tacoma.
Dykeman, Grace M.	Lexington.
De Baun, Katherine	Puyallup.
Ewing, Virginia	Tacoma.
Fox, Sarah Margaret	Tacoma.
Fleet, Lillian	Montesano.
Gillam, Bessie	Centralia.
George, Elsie	Sunnyside.
Glenn, Nancy	Tacoma.
Howe, Idene	Tacoma.
Hill, Florence Carey	Tacoma.
Johnson, Alice Evelyn	La Conner.
Kroeze, Nettie	Tacoma.
Lemmons, Nellie	Tacoma.
Loughlen, Ivy	Tacoma.
Loughlen, Silvy Enid	Tacoma.
McDonald, Clara Jean	Tacoma.
MacDonald, Anna	Tacoma.
Moen, Daisy	Seattle.
Maulsby, Marguerite	Tacoma.
Mather, Irving	Tacoma.
Mather, Harriet Eleanor	Tacoma.
McReavy, Cecilia	Tacoma.
McRay, Ruby	Kerriston.
Presby, Nellie	Goldendale.
Pamment, Ethel	Tacoma.

Powers, Lucile M.	Tacoma.
Ritchey, Eva Elizabeth	Tacoma.
Ruddick, Fay	Tacoma.
Rolleston, Gertrude	Tacoma.
Rieman, Gilbert M.	Valdez, Alaska.
Strange, Edith	Sedro-Woolley.
Sallee, Zella	Tacoma.
Scammon, Mrs. Richard	Easton.
Turnbull, Jean	Tacoma.
Thurmond, Jennie	Tacoma.
Thomas, Sarah	Roslyn.
Urquhart, Catherine	Krupp.
Warburton, Leota	Tacoma.
Williams, Mabel	North Yakima.
Wall, Ada L.	Winlock.

VOICE

Allen, Norma	Tacoma.
Benson, Willard C.	Vancouver, B. C.
Doud, Richard	Tacoma.
Dykeman, Grace	Lexington.
Fleet, Lilian	Montesano.
Gillam, Bessie	Centralia.
Hillis, Joy	Seattle.
Johnson, Evelyn	La Conner.
Presby, Nellie	Goldendale.
Scammon, Mrs. Richard	Easton.
Thomas, Sara	Roslyn.
Thurmond, Jennie	Tacoma.

HARMONY

Cox, Mary	Tacoma.
Johnson, Evelyn	La Conner.
Kessinger, Eva S.	Tacoma.
Lynn, Inez	Tacoma.
Morse, Charles	Bellingham.
Moen, Daisy	Seattle.
Rudduck, Fay E.	Tacoma.
Rolleston, Gertrude	Tacoma.
Strange, Edith	Sedro-Woolley.
Turnbull, Jean	Tacoma.
Warburton, Leota	Tacoma.

HISTORY OF MUSIC

Fleet, Lillian	Montesano.
Johnson, Evelyn	La Conner.
Kessinger, Eva	Tacoma.
Lynn, Inez	Tacoma.
Messinger, Gloe	Tacoma.
Morse, Charles	Bellingham.
Rudduck, Fay	Tacoma.
Strange, Edith	Sedro-Woolley.
Turnbull, Jean	Tacoma.
Warburton, Leota	Tacoma.

ART

Bowen, Andrietta	Tacoma.
Brown, Helen Ruth	Valdez, Alaska.
Ballard, Nina	Tacoma.
Bennatts, Marguerite	Tacoma.
Bray, Mrs.	Sumner.
Caughran, Harriet E.	Tacoma.
Crandall, Ruth	Tacoma.
Denman, Edith	Tacoma.
Grieg, Marjorie	Tacoma.
George, Bernice	Sunnyside.
Hanforth, Scofield	Tacoma.
Heath, Eva	Tacoma.
Kelley, Jean	Tacoma.
Latshaw, Alice	Tacoma.
Marks, Leona	Tacoma.
Moore, Mrs. Hiram	Tacoma.
Olds, Helen	Tacoma.
Palmer, Irine	Tacoma.
Roe, Carrie	Tacoma.
Russell, Clara	Everett.
Rudduck, Fay	Tacoma.
Yoshi, Frank	Tacoma.

ORATORY

Brown, Helen R.	Valdez, Alaska.
Beaven, Frances	Tacoma.
Clark, Laetitia	Lancaster, Pa.
Doud, Richard	Tacoma.

Guy, David	Chehalis.
Ghormley, Kenneth	Tacoma.
Heath, Horace	Tacoma.
Hubbert, Frances	Tacoma.
Izumi, Masakichi	Aketa, Japan.
Kinkade, Robert	Auburn.
Kennedy, Palmer	Tacoma.
LaWall, Jessie	Tacoma.
Moen, Daisy	Seattle.
McRae, Ruby	Kerriston.
Nipolt, Helen	Tacoma.
Paul, William	Wrangall, Alaska.
Rolleston, Gertrude	Tacoma.
Robbins, Pearla	Tacoma.
Rueber, Arthur	Tacoma.
Ross, Mary Josie	Olympia.
Scott, Alvin	Kiona.
Towne, Raphael	Tacoma.
Turnbull, Jean	Tacoma.
Turner, Joseph	Tacoma.
Ware, Edith	Spokane.
Warburton, Leota	Tacoma.
Willert, Marguerite	Tacoma.

SPECIAL CLASS

Edwards, Ruth	Mather, Elenor
Edwards, Helen	Roe, Carrie
Edwards, Marcia	Roe, Jennie
Ghormley, Margaret	Riddle, Margaret
Higgins, Elizabeth	Riddle, Florence
McKay, Hazel	McReavy, Cecilia
Mather, Irving	Voris, Ruth

PHYSICAL CULTURE

Amerman, Bertha	McRae, Ruby
Bowen, Andrietta	Overmeyer, Carlesta
Brown, Helen	Presby, Nellie
Bergman, Hilda	Ross, Mary Josie
Dykman, Grace	Roe, Carrie
Evans, Virginia	Smith, Mary
Gillman, Bessie	Thomas, Sarah
Grunwell, Mary	Urquhart, Catherine
Johnson, Evelyn	Wall, Ada

Kalbus, Helen
 Kallender, Margaret
 Mustard, Florence

Weber, Frankie
 Warburton, Leota

SUMMARY OF ATTENDANCE

Seniors	15	
Juniors	10	
Sophomores	7	
Freshmen	43	
Special	8	
		<hr/>
Total		83
Third Year Academy	21	
Second Year Academy	26	
First Year Academy	40	
		<hr/>
Total		87
Commercial	42	
Piano	43	
Voice	12	
Harmony	11	
Art	22	
Oratory	41	
Physical Culture	23	
		<hr/>
Total		194
		<hr/>
Total registration in all Departments		364
Deduct those counted twice		129
		<hr/>
Total number individual students enrolled		235

