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THE
Whitworth College
Bulletin

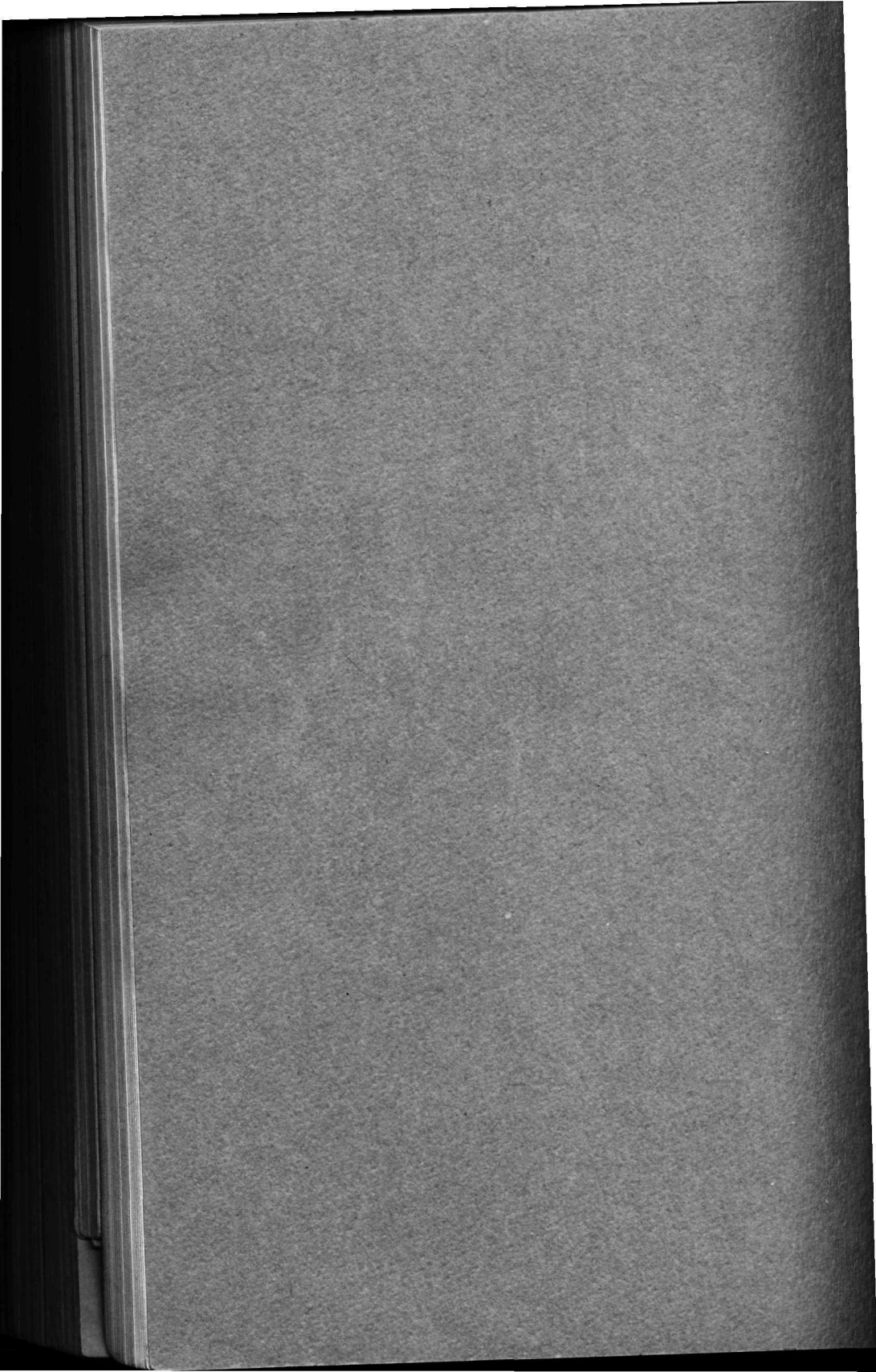


Vol. XVI Number 1

Catalogue Number
1916-1917

June, 1916

SPOKANE, WASHINGTON



VOL. XVI

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THE
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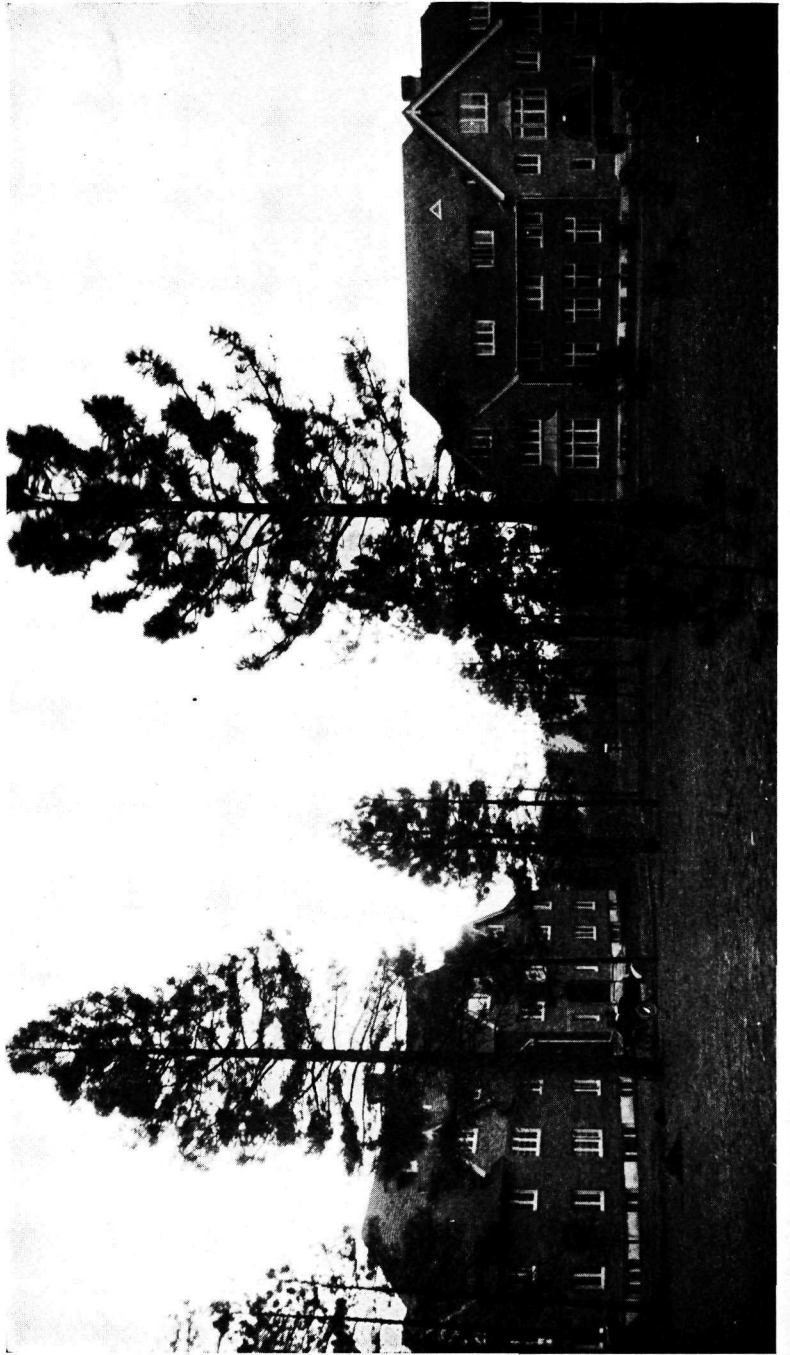
Containing the Annual Catalogue and Register of Students of
Whitworth College, 1915 - 1916, General Information,
Courses of Study and other Announcements, 1916-1917



"ORANDO ET LABORANDO PRO EDUCATIONE JUVENUM"

Spokane, Washington, June, 1916

Published Quarterly from the College Office during the college
year, with one midsummer number



COLLEGE BUILDINGS

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College Calendar

1916

Registration and Entrance Examinations.....	Tuesday, Sept. 19
First Assembly.....	Wednesday, Sept. 20, at 10 A. M.
Convocation Address.....	Friday, Sept. 22, at 8 P. M.
Second Quarter Bills Due.....	Nov. 22
Thanksgiving Recess Begins.....	Wednesday, Nov. 29, at 4 P. M.
Christmas Vacation Begins.....	Thursday, Dec. 21, at 4 P. M.

1917

Class Work Resumed.....	Tuesday, Jan. 2, at 8:25 A. M.
Mid-year Examinations.....	February 2, 5, 6
Third Quarter Bills Due.....	Feb. 5
Second Semester Begins.....	Wednesday, Feb. 7, at 8:25 A. M.
Vocation Week.....	Feb. 18 to 25
Fourth Quarter Bills Due.....	April 9
Easter Vacation Begins.....	Friday, April 20, at 4 P. M.
Class Work Resumed.....	Wednesday, April 25, at 8:25 A. M.
Final Examinations.....	June 8, 11, 12
Baccalaureate Sermon.....	Sunday, June 10, at 10:30 A. M.
College Commencement.....	Thursday, June 14
Regular Meetings, Board of Trustees—	
Quarterly, Fourth Tuesday of September, January and April.	
Annual, Second Tuesday of June.	

Officers

Donald D. MacKay.....	President
T. S. Griffith.....	Vice-President
R. E. Porterfield.....	Secretary
Henry Longstreth.....	Assistant Secretary
Hiram B. Ferris.....	Treasurer

Standing Committees

Executive Committee —White, Griffith, Porterfield, McClure, MacKay, Edmiston, Campbell and Divine.
Endowment Committee —Graves, Porterfield, McClure, Griffith, Lane, Porter, Divine, Benson and McMillan.
Faculty Committee —Edmiston, Ferris, MacKay, Porterfield and Divine.
Grounds and Improvements Committee —White, Schuppel, Graves, Campbell and Anthony.
Honorary Degrees —Edmiston, MacKay, Stewart, Sproat and Longstreth.
Curriculum Committee —MacKay, White, Matthews and Ferris.
Athletics Committee —Porterfield, Griffith, Porter, Lane, Anthony and Paulsen.
Building Committee —Edmiston, Porterfield, McClure, Divine and Graves.

Board of Trustees

Term Expires 1916

- JOHN D. PORTER, Railroad Contractor, Spokane, Wash.
 D. R. McCLURE, President of Crystal Laundry Co., Spokane, Wash.
 R. E. PORTERFIELD, Manager of Citizens Savings and Loan Society, Spokane, Wash.
 THOS. S. GRIFFITH, Wholesale Grocer, Spokane, Wash.
 H. G. FERRIS, Manager of Hofius Steel and Equipment Co., Spokane, Wash.
 HENRY LONGSTRETH, Manager of Western Mortgage Department, Provident Life, Tacoma, Wash.
 J. B. CAMPBELL, Secretary-Treasurer of Spokane Merchants Association, Spokane, Wash.
 E. F. BENSON, Capitalist, Tacoma, Wash.

Term Expires 1917

- THADDEUS S. LANE, President, Western Empire Investment Co., Spokane, Wash.
 AUBREY L. WHITE, President of Spokane Park Board, Spokane, Wash.
 H. H. McMILLAN, Financial Agent, Spokane, Wash.
 J. M. COMSTOCK, Wholesale Dry Goods Merchant, Spokane, Wash.
 JAY P. GRAVES, Spokane, Wash.
 REV. DONALD D. MacKAY, A. M., D. D., President Whitworth College, Spokane, Wash.
 AUGUST PAULSEN, Mining, Spokane, Wash.
 REV. WILLIAM E. SPROAT, Sunset, Wash.

Term Expires 1918

- DR. X. L. ANTHONY, Physician, Spokane, Wash.
 FRANK C. ROBERTSON, Land Owner, Spokane, Wash.
 REV. MARK A. MATHEWS, D. D., L. L. D., Pastor First Presbyterian Church, Seattle, Wash.
 ROBERT L. EDMISTON, Attorney-at-Law, Spokane, Wash.
 WILLIAM C. SCHUPPEL, District Manager Mutual Life Ins. Co., Spokane, Wash.
 REV. SHERMAN L. DEVINE, D. D., Pastor First Presbyterian Church, Spokane, Wash.
 CALVIN W. STEWART, Post Master, Tacoma, Wash.
 WILLIAM B. DUDLEY, Capitalist, North Yakima, Wash.

Succession of Presidents

*Rev. Amos T. Fox.....	Feb.-Sept., 1890
*Rev. Calvin W. Stewart, D. D.	1890-98
Rev. Robert Boyd	1898-99
Franklin B. Gault, Ph. D.	1899-05
Rev. Barend H. Kroeze, D. D.	1905-09
Rev. Donald D. MacKay, A. M., D. D.	1911

*Deceased.

Administrative and other Officers

Donald D. MacKay, A. M., D. D.	President
Miss May Pyle, A. M.	Dean of Women
Herschel E. Hewitt, A. B.	Chairman of Faculty
Harold F. Holcombe, A. B.	Secretary of Faculty
J. A. Tormey.....	General Representative
I. Tegid Williams	Secretary
Miss Ruth Pirt	Matron

Faculty of the College of Liberal Arts

Donald D. MacKay, A. M., D. D., President.

Philosophy and Education.

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, Uni-
versity of Minnesota, 1898-1902; Pastorate Minneapolis, 1898-
1908; D. D., Macalester College, 1904; Whitworth College, 1908.

Herschel E. Hewitt, A. B.

Chemistry and Physics, and Chairman of Faculty.

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

Harold F. Holcombe, A. B.

Biological Sciences.

Student University of Oklahoma, 1901-04; A. B., University of
Washington, 1907; Biological Research, University of Washing-
ton Summer School, 1906-07; Head of Biology Department, Pear-
son's Academy, Walla Walla, 1909-11; Head of Biology Depart-
ment, Whitworth College, 1911.

David J. Guy, B. S.

Mathematics and Civil Engineering and Athletic Director.

Whitworth College, B. S., 1909; Massachusetts Institute of Technology, B. S., 1912; Whitworth College, 1914.

J. Emory Hollingsworth, Ph. D.

Latin and Greek.

B. A., Penn College, 1902, and Haverford College, 1903; Instructor in Greek, University of Texas, 1909-11; Student, University of Chicago, 1906-09; 1911-12, Ph. D., *ibid.*, 1913; Instructor in Greek, De Pau University, March-June, 1914; Professor of Greek and Latin, Whitworth College, 1914.

Charles A. Barry, M. A.

Modern Languages.

University of Michigan, Interpreter in Europe, Warren Featherbone Co., 1892; Interpreter Libbey Glass Co., World's Fair, Chicago, 1893; Professor of Latin and Greek, Vincennes University, 1893-95; Head of Modern Language Department with Pharmacy Latin, Washington State College, 1896 to 1910 (M. A. Honorary 1902); Whitworth, 1914.

May Pyle, A. M.

English Language and Literature.

A. B., Huron College, 1911; A. M., Chicago University, 1912.

Robert D. Sheppard, A. M., D. D.

History and Social Science.

University of Chicago A. B.; A. M.; Garrett Biblical Institute Northwestern University A. M.; B. D.; D. D. (Honorary); University of Leipzig.

H. R. Fancher, A. B., D. D.

Bible.

Union College, Schenectady, N. Y.

Lauretta Fancher.

Home Economics.

College of Montana; Stout Institute, 1914; Assistant Teacher, College of Montana, 1911-12; Whitworth College, 1914.

Olive Grant McFee.

Elocution and Dramatic Art.

Greely School of Elocution and Dramatic Art, Boston, 1913; Post Graduate, 1914; Head of Dramatic Department, Hultman McQuaid School of Music, Worcester, Mass., 1914. Reciter and Interpreter, Whitworth College, 1915.

THE SCHOOL OF MUSIC

Augusta E. Gentsch, Director.

Kroeger School of Music, St. Louis, 1905; Post-Graduate, 1908.
New English Conservatory of Music, 1911; Post-Graduate, 1912.
Head of Piano Department, Mt. Ida School of Music, 1912-13.
Concert Soloist since 1905. Whitworth College, 1914.

Violin.

Eunice B. Krech.

Languages.

Prof. C. A. Barry.

ART

Miss Katherine Upson Taft.

Pupil of Dwight W. Tryon and Ross Turner.

Faculty Committees

Admission.....	Barry, Pyle, Hewitt, Sheppard
Lecture Courses.....	Hollingsworth, Sheppard
Social Affairs.....	Pyle, Gentsch, Guy
Athletics and Physical Training.....	Guy, Holcomb
Discipline.....	Hewitt, Pyle, Guy
College Publications and Library.....	Barry, Hollingsworth, Holcomb

THE WOMEN'S BOARD OF WHITWORTH COLLEGE

President, Mrs. F. C. Farr.
Vive-president, Mrs. S. L. Divine.
Secretary, Mrs. R. L. Edmiston.
Treasurer, Mrs. D. R. McClure.

The Women's Board of Whitworth College is a body of women who are interested in the ideals for which Whitworth stands and who desire to be a tangible influence in the furthering of those ideals. The function of the organization is to act in a capacity advisory to the Board of Trustees and to carry on such work in relation to the school life as they may be interested in promoting.

HISTORICAL SKETCH

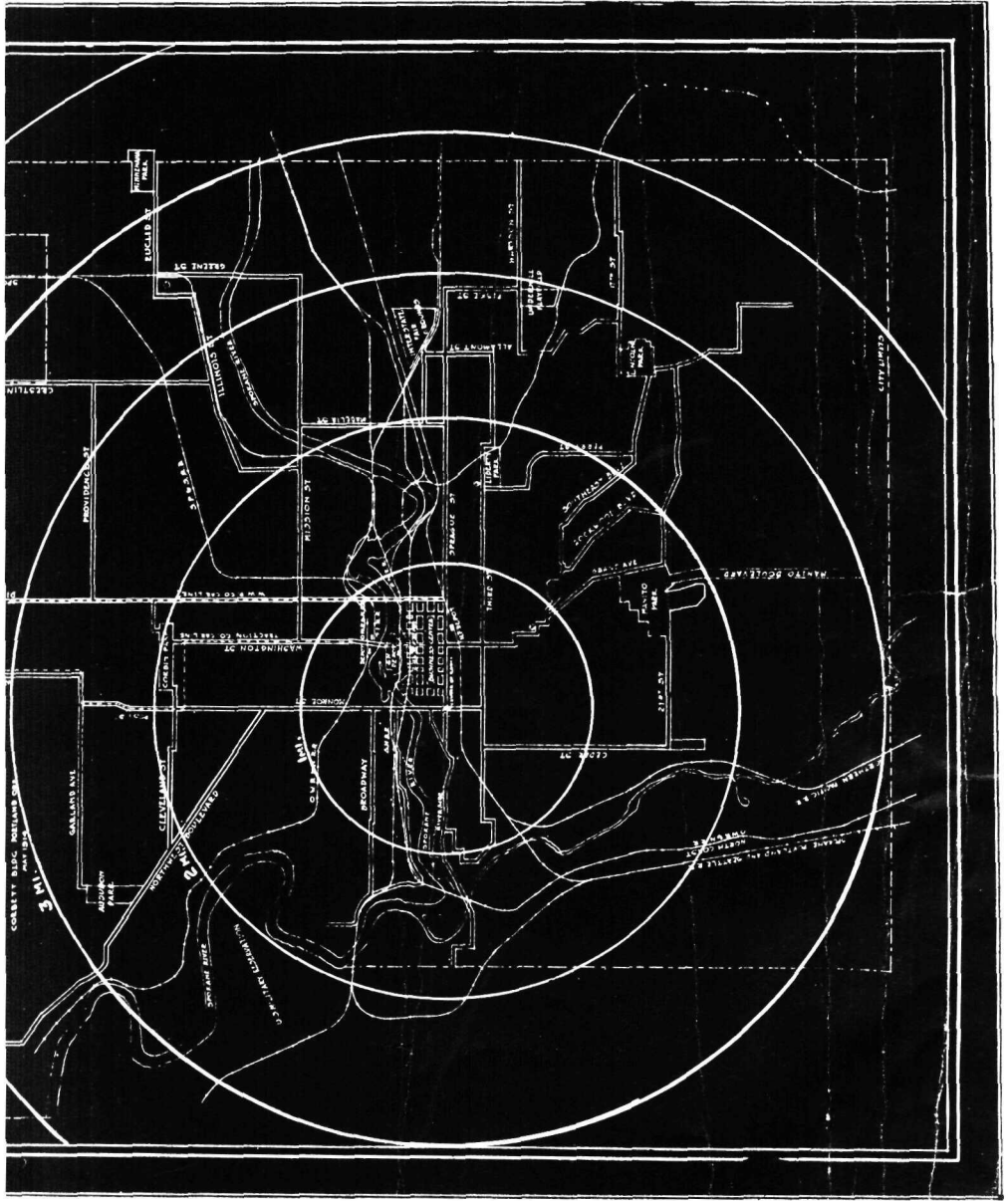
Whitworth College had its origin in the establishment of a Presbyterian Academy at Sumner, Washington, in 1884, known as Sumner Academy. In 1890, the Board of Trustees secured a charter for a college. It was, therefore, reported to and taken under the care of the Synod of Washington as a college in September of the same year. In February, 1900, it was removed to Tacoma.

After struggling through the panic and depression from 1893 to 1897, an invitation was received from Tacoma, Washington, to remove the institution to that city. This invitation was finally accepted, and the college located in the City of Tacoma in February, 1900. This removal was accomplished through the generosity of the citizens of Tacoma and the late H. O. Armour, of New York, who, to insure its permanent establishment as a Christian college, gave his personal checks for \$100,000, besides valuable land holdings in West Seattle.

The late Dr. Calvin W. Stewart was its first President, and it was through his personal solicitation that Mr. Armour was induced to aid the college. Too much credit cannot be given Dr. Stewart for his self-sacrificing service and loyalty to the cause in these pioneer days of the institution.

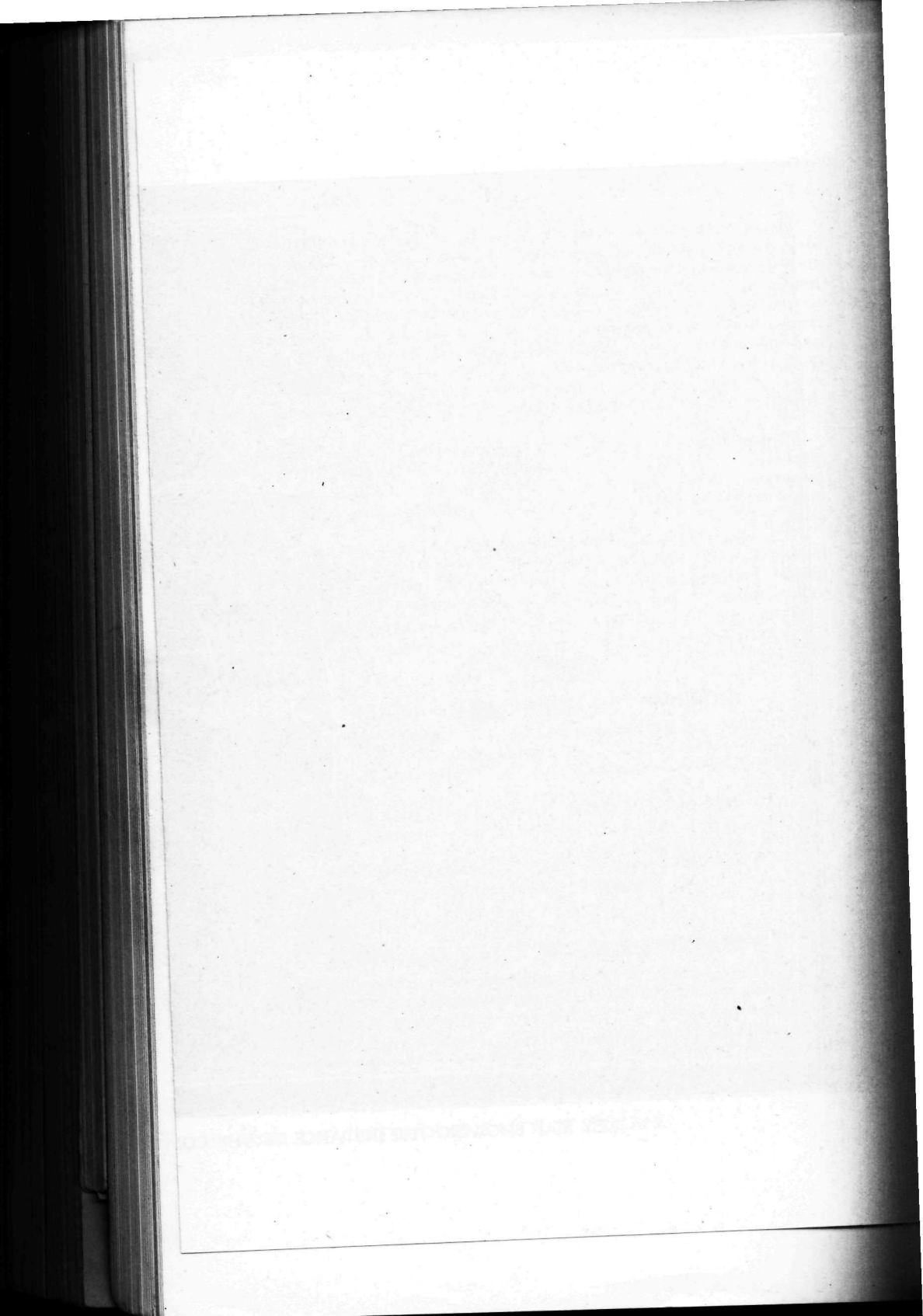
Whitworth College was again destined to change its location. In August, 1913, the Presbytery of Spokane, encouraged by the pledged support of the citizens of Spokane, made overtures to the Board of Trustees of Whitworth College to remove to that city, and, after months of consideration, always having in view the larger usefulness of the institution, it was finally resolved by the Board of Trustees to accept the offer of Spokane and move the college to Spokane.

The conditions of removal, which were approved by the Board of Trustees, are a campus of one hundred acres and forty-five per cent interest in five hundred sixty acres adjoining, this being the gift of Messrs. Jay P. Graves, Clyde M. Graves and A. L. White. In addition thereto, the citizens of Spokane contribute \$100,000 in cash.



SOUTH

THE COLLEGE FROM THE CENTER OF THE CITY OF SPOKANE



LOCATION

Whitworth College in its new location occupies a commanding site, six and one-half miles due north of the business center of the City of Spokane, or just two and one-half miles north of the city limits. C. C. Colburn, the noted landscape artist of Portland, after a careful examination of the ground, states "Whitworth College is immeasurably more fortunate than many of our best known colleges and universities in the East in the possession of an ample tract of land, consisting of one hundred acres sufficiently outside the present city limits of Spokane to make possible an individual development and to foster an integral college life and spirit independent of other influences."

Topographically, the tract is best described as being upon a level-topped hill and in the shape of a very wide letter "V." It is possessed of a fine growth of tall, stately pines, with an interesting undergrowth of smaller pines and attractive forms of indigenous plant life.

The land outside the college grounds to the south is gently rolling and a level approach is possible to the campus from the Inland Empire highway, while to the north of the campus proper, the college grounds slope in interesting topography to broad meadows reaching away to the foothills and mountains beyond.

A very accurate idea of the general group plan of the buildings and campus is given in the inserted sketch.

COLLEGE BUILDINGS AND CAMPUS

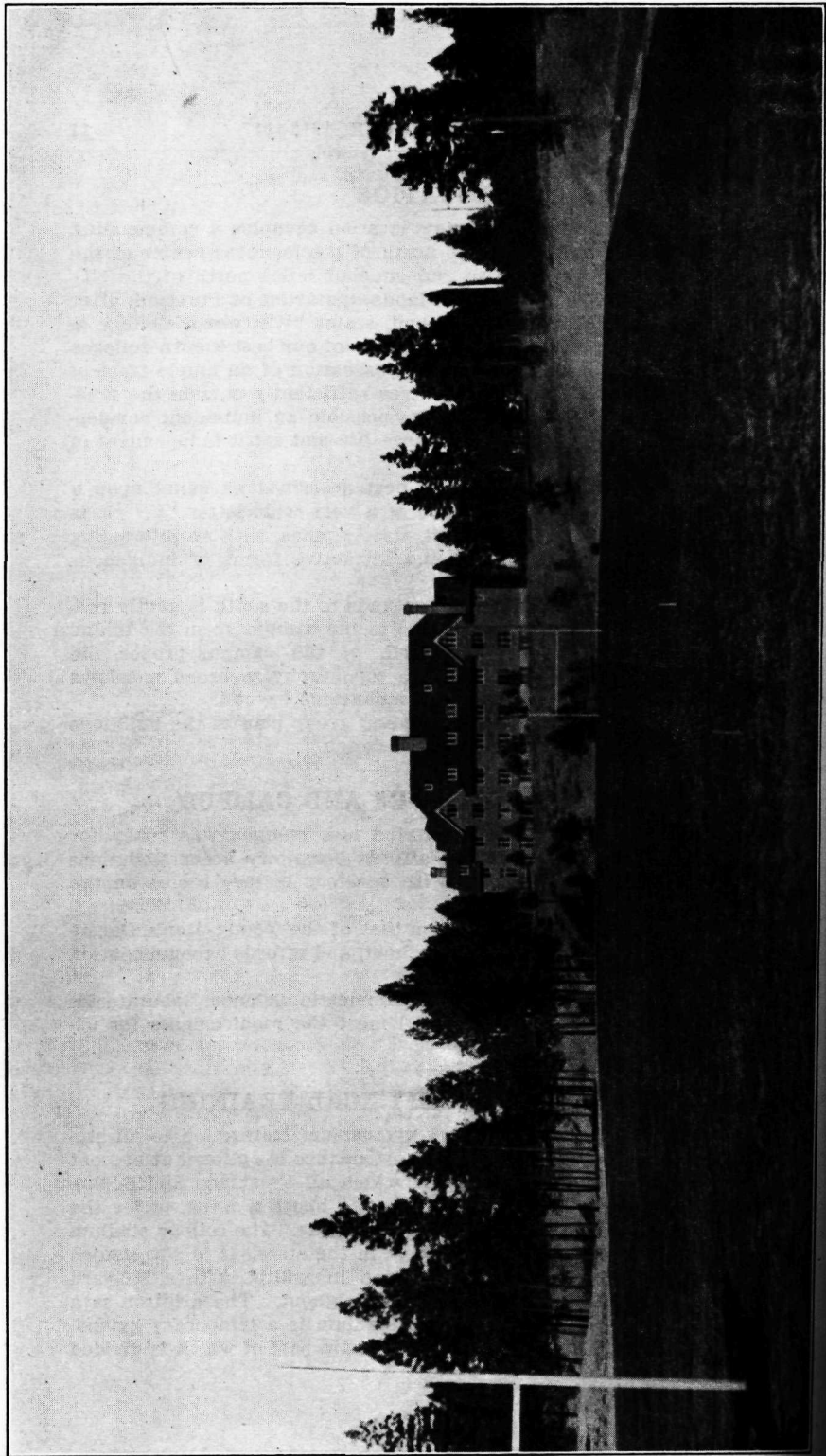
The first college building on the new campus was ready for occupancy September, 1914. It affords dormitory accommodations for about fifty young women, with spacious lecture rooms on the first floor.

The second college building is that of the Young Men's Dormitory, which is now complete throughout, and affords accommodation for about seventy young men.

The Chemical, Biological, and Domestic Science Laboratories are being thoroughly equipped, and meet the requirements for up-to-date work.

ATHLETICS AND PHYSICAL TRAINING

Provision is made for giving gymnasium instruction to all students at the college who desire it. Attendance is optional at present but courses are being arranged in which all Freshmen and Sophomores will be required to take part, two hours a week, under the direction of the Instructor of physical training. The college stadium has been pronounced one of the best in the state. It is surrounded by a fifth-mile running track, 15 feet in width, with a 100-yard straight-away and a cinder coating throughout. The gridiron is a beautiful grass plot. Adjoining the stadium is a temporary gymnasium 45 feet wide and 85 feet long, the main part of which is divided



ATHLETIC FIELD

into a basket ball floor and handball courts. There is also ample space for indoor baseball. Provision has been made for showers, lockers and a good seating capacity, in the gymnasium proper. The building affords ample accommodations for the training of classes in gymnastics and all indoor games.

The gymnasium is open to all students who pay their Student Association Fee. Athletic certificates and "W's" are awarded to all students who meet the Athletic Board's requirements in competitive games.

Attractive new houses were constructed in the vicinity of the college campus which afford accommodation for members of faculty and take care of students not otherwise provided for.

A PRESBYTERIAN COLLEGE

Whitworth College is called a Presbyterian institution. What does this signify? It does not signify that the students are all Presbyterian. It does not mean that the teachers are all Presbyterian. It does not indicate that the trustees are all Presbyterian. For in each of these three cases the other denominations are represented. It simply means that the Presbyterian Church is a trustee of the interests, policy and work of the college and assumes the responsibility before the country at large of seeing to it that the college recognizes religion in its educational work and gives it its proper amount of attention. The college is absolutely unsectarian and undenominational as far as any teaching or class work is concerned. The Bible is one of the text books of the institution, and every student is required to include Bible work in his course, but the Bible is not used for the purpose of teaching Presbyterian doctrines, and if a teacher so used it he would be required to discontinue such use. Whitworth College invites men and women of evangelical denominations to positions on its faculty, to help in its finances, and to contribute of their moral and friendly support. It invites all students of any denomination or no denomination to enter its classes and mingle in its student life so long as they can present evidence of being young men and women of character. Whitworth College is not a reform school, and does not invite, and will not welcome young men and young women who have bad characters and evil intentions. We cannot afford to let such mingle with the excellent young men and women who compose our student body.

OBJECT OF THE COLLEGE

The avowed object of the college, and the inspiration of all its ideals is not sectarian, but a liberal education under the most helpful Christian influences. Its scholastic standards are high. Its faculty is competent. Its courses are thorough and comprehensive. Its degrees are recognized by our best universities.

THE RELIGIOUS LIFE

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

All students are encouraged and expected to attend religious services every Sunday. Only such students as may be excused upon requests of parents and pastors for denominational reasons are exempted from the operations of this rule.

Vocation week with Day of Prayer for colleges 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 fine work among the students, maintaining numerous religious services of their own. Both of these organizations send representatives each year to the Northwest Student Conferences at Seabeck, Hood's Canal, Wash.

Vesper services, held each Sunday afternoon at five o'clock, are now one of the features of the home life, the services being adapted particularly to the student need and intended for those students rooming at the college and away from home.

ADMINISTRATION

In the administration of the college, appeal is made to the self-respect and honor of the students. They are constantly encouraged to study and maintain the good name and dignity of the institution, and to evince on all occasions a wholesome, progressive college spirit. This is effected by the establishment and maintenance of college traditions, the frequent singing of college songs, and the arousing of college loyalty and patriotism at various times during the year. Only such regulations as are absolutely necessary are established, and when students matriculate, it is understood that they thereby submit to the government of the college and pledge themselves to support the same while they are members of the institution. They are expected to obligate themselves to act as ladies and gentlemen, to be faithful in attendance upon recitations, examinations, church service, chapel and vespers, and to be diligent in the preparation of all tasks assigned.

Students whose influence is found to be hurtful, whether guilty of a serious breach of order or not, cannot be retained in the institution.

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 acuteness of thinking, great versatility and ready adaptation to the exigencies of life.

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 development of self activity.

The dominant thought 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.

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 an examination in School Law. ~~Students preparing to teach take special normal work, and are required to teach classes under the heads of the different departments. This is an excellent feature for young teachers.~~

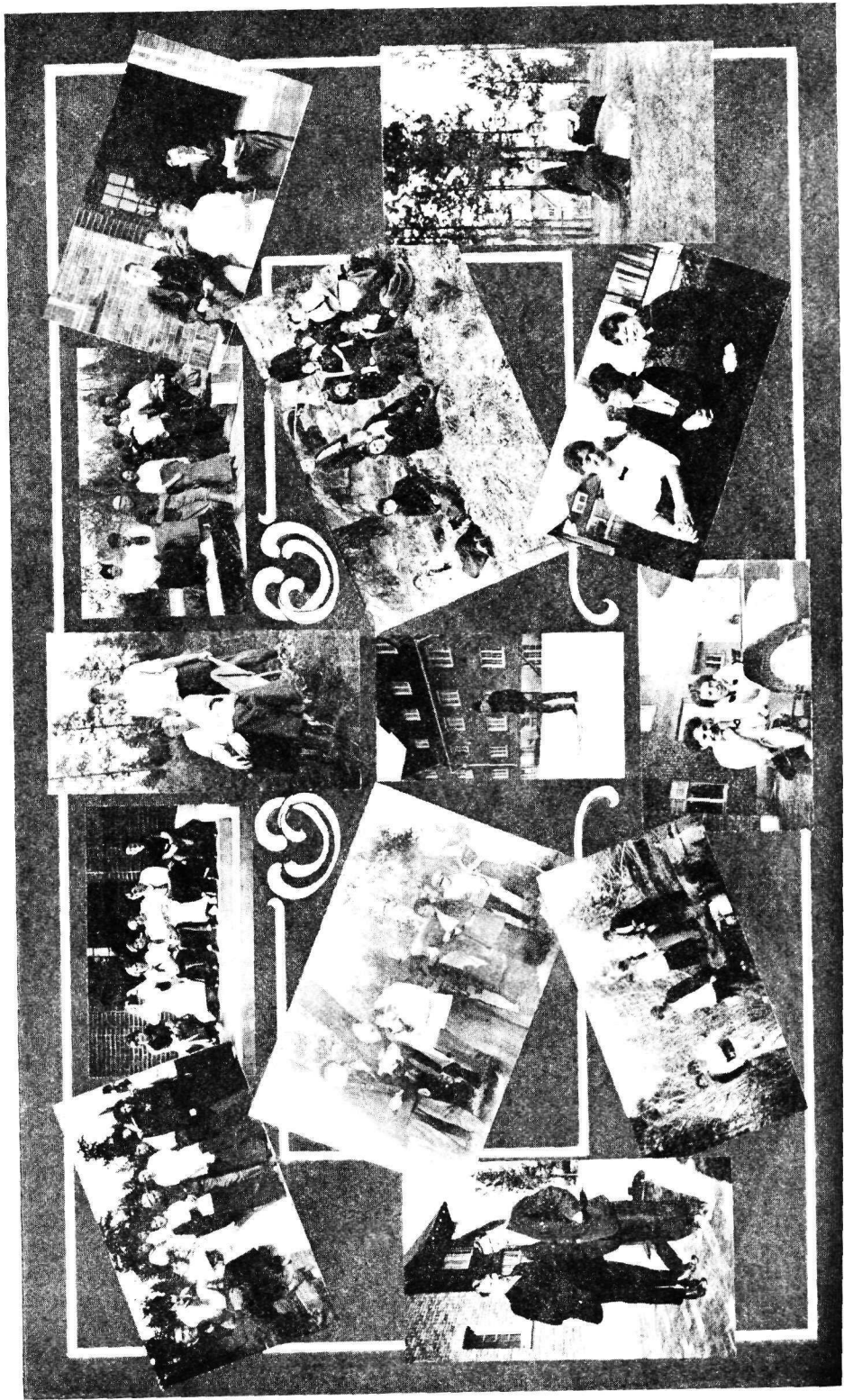
Graduation from the college with the A. B. degree has been accepted by the University of Chicago, post-graduate scholarships having been issued to graduates. This is true, also, in connection with Columbia University.

The regents of the University of the State of New York have registered the degrees of the college as meeting all the usual scholastic requirements of such degrees.

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

CORRESPONDENCE

To receive prompt attention, all inquiries concerning the college, and all correspondence affecting the college, should be addressed "Whitworth College, Spokane, Washington." Such correspondence will be referred immediately to the proper official. Only personal communications should be addressed to individual members of the faculty.



WHITWORTH COLLEGE BULLETIN

The official publication of the college emanates from the office quarterly, and is called "The Whitworth College Bulletin." Any number will be mailed on request. Persons wishing to be placed on the mailing list should send their names to the office with such request.

LIFE AT WHITWORTH

The fact that Whitworth stands as the expression of the ideals of the church for Christian education is a guarantee of the influences with which the student life will always be surrounded. It is the definite purpose and aim of the college to keep the atmosphere of the school life constructive of the best things and to send its students forth stronger and better men and women for their four years at Whitworth.

SOCIAL AMUSEMENTS

The following is an extract from a letter from the Presbyterian College Board of New York and is inserted here as representing the attitude of Whitworth College on the matter of Social Amusements.

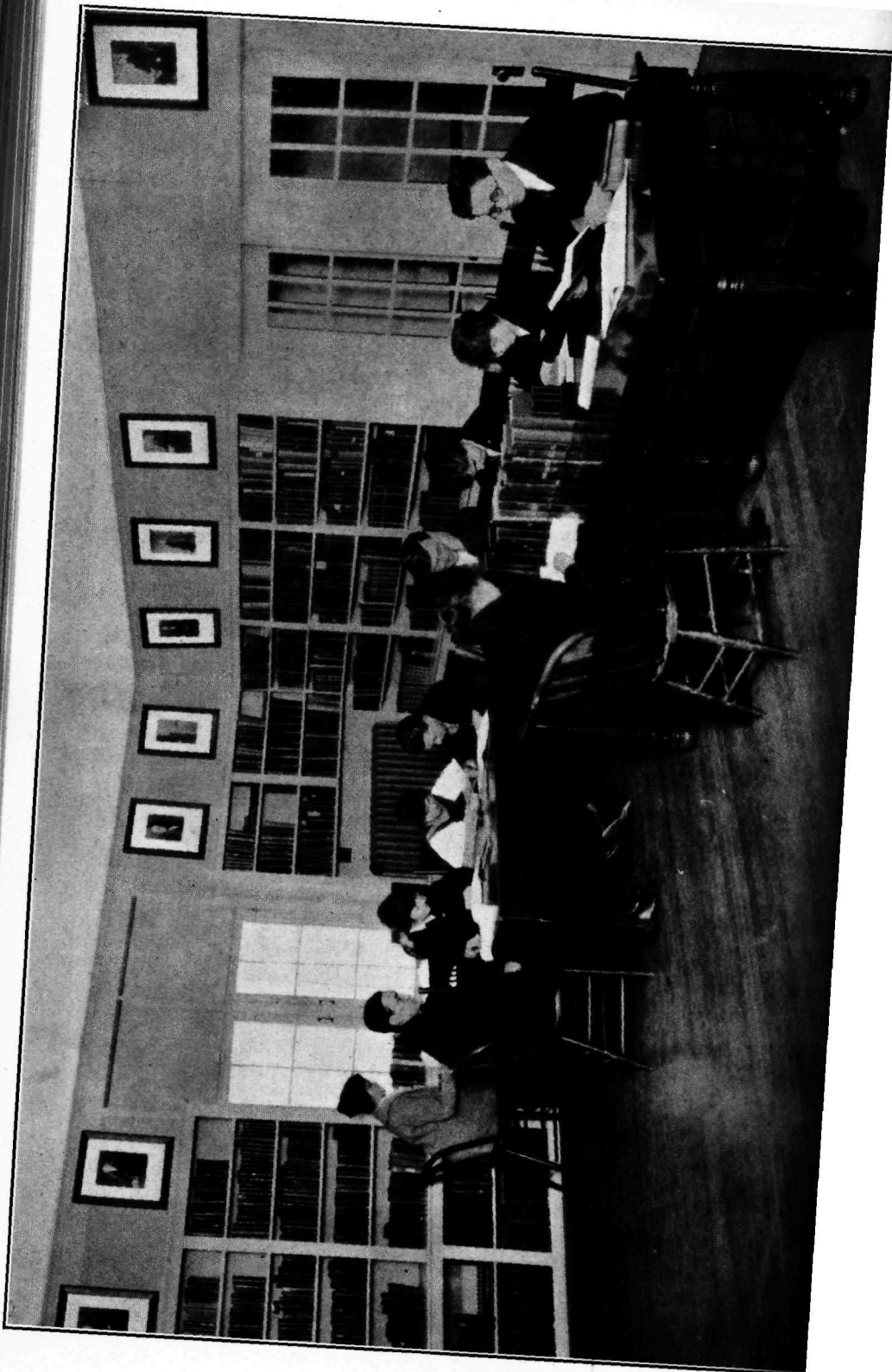
Participation in most social amusements, such as dancing and card playing must be determined by the individual conscience. The College includes within its circle of friends and supporters many of widely varying views concerning the two amusements mentioned. While not attempting to decide for any individual what his view concerning them should be resident students are not permitted to attend public dances or to give dancing parties under the auspices of the college or any college organization. In general, the conduct of students is under the direction of the faculty who are held responsible in all such matters.

THE LIBRARY

The books on the shelves of a college library are a good index of the efficiency of an institution. Departments of instruction are hopelessly handicapped without them. To the student in his leisure hours they are a refining influence.

The Whitworth library has made a beginning commensurate with the growth of the college in its new location. Its growth is, we believe, a token of good will from many friends, and the harbinger of an era of greater usefulness on the part of the college. From a small quota of some twelve hundred volumes it has increased to five thousand five hundred standard books, including complete files of bound magazines and over nine hundred pamphlets. The principal weekly and monthly current periodicals find their way to the library table. Our shelves receive the government publications.

This result has been obtained through the generosity of a large number of friends in and around Spokane and throughout the Inland



Empire; through the liberality of the Synod of Washington; and particularly through the solicitations and labor of Mr. A. L. White. Mr. White has been untiring in his efforts to secure contributions from private libraries and has given important volumes from his own; he has collected these, negotiated the exchange of super-numerary volumes for new and different ones and has been active in raising a fund for the purchase of new books.

It is hoped the library may continue to grow steadily, acquiring a few new books each year, thus keeping abreast of the times. The books are at present domiciled in the college chapel, which has been adapted for this purpose without marring its artistic design as a college assembly room.

These lists include donations made up to the time of publication of this catalogue.

THE DEAN OF WOMEN

The young women, both day students and boarders, are under the immediate supervision of the Dean of Women.

COLLEGE EVENTS

The interest in college life is very much enhanced by certain college events and traditions, which have their origin in student spirit, and are helpful in establishing those customs, associations, and memories which make college life something to be remembered, thought over, and loved during all the subsequent years.

There are several such events in which the students take great pride, maintain great spirit, and enter with hearty zest.

Among the first to occur in the year are the socials under the direction of the two Christian organizations in the college, the Y. W. C. A. and the Y. M. C. A. These socials occur frequently during the year and tend to weld together the student life and effect a spirit of harmony and fellowship.

As soon as possible after college opens, the President gives a reception to the members of the Faculty, which is a general college reception, to which students and teachers are all alike invited. This is the first "get-together" gathering of the college, and begins the social spirit that is so enjoyable a feature of Whitworth life.

Early in the fall occurs the annual Freshman-Sophomore Contest, consisting of tug-of-war, cane rush and other contests of a similar kind, under the personal supervision of the Senior class, and witnessed by the entire college, students and faculty.

An interesting event in the year is known as "Open Dorm." The young ladies hold open house for their friends, and at another time the young men do likewise. Each occasion is marked by social festivity and is looked forward to for many weeks by the students.

Hallowe'en is duly observed at the proper time by a party in the Gymnasium, and is a time of great gaiety and festivity.

About the middle of the year occurs a day known as "Cap and Gown" day. This is the "coming out" day of the Senior class, in which they appear in the formal cap and gown of senior year. Its

importance is recognized by all the students and faculty, and the event is managed and controlled by the Junior class. A regular program is rendered in the Chapel, the students march in due form to the Chapel, where the Seniors are addressed with farewell speeches by the different classes, and the interesting ceremony of handing down the Key and Ring occurs. This is followed by a banquet.

In honor of Washington's birthday, the college has what is known as the "Colonial Party," with costumes and forms of entertainment in keeping with olden times. The students' association has charge of this affair, under the direction of the faculty.

In the early spring occurs what is known as "Campus Day." This comes about the time of the opening of the baseball season and spring athletics, and is for the purpose of getting the grounds ready for baseball and track events. Every person connected with the college is expected to turn out and render assistance at this time.

Early in April the girls of the Y. W. C. A. have a party of their own called the "April Frolic." This is usually held in the Ladies' Dormitory, and is an occasion of rare delight for those who attend.

The first Saturday of April is observed by the Y. M. C. A. with an event called the "April Hike." It is desired that all the boys of the institution shall take part in this and enjoy a cross-country walk to some spot of interest within reach of the college.

In May occurs the event known as the "Kappa Gamma May Party." This is under the direction of the Kappa Gamma Society.

STUDENT PUBLICATIONS

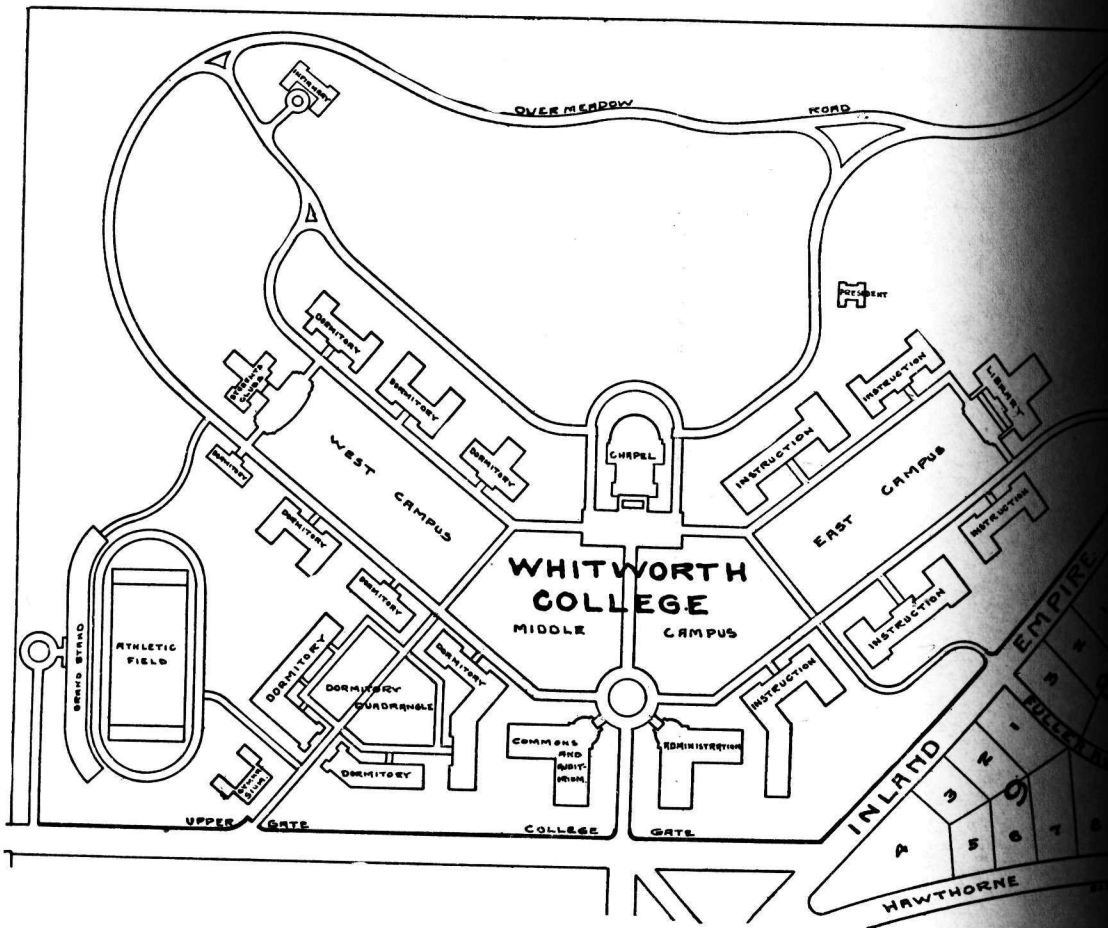
The Whitworthian is a publication issued quarterly by the Student Association of Whitworth College.

The Annual, also published by the Student Association, is called the "Natsihi," which in the Indian tongue means "In the Pines."

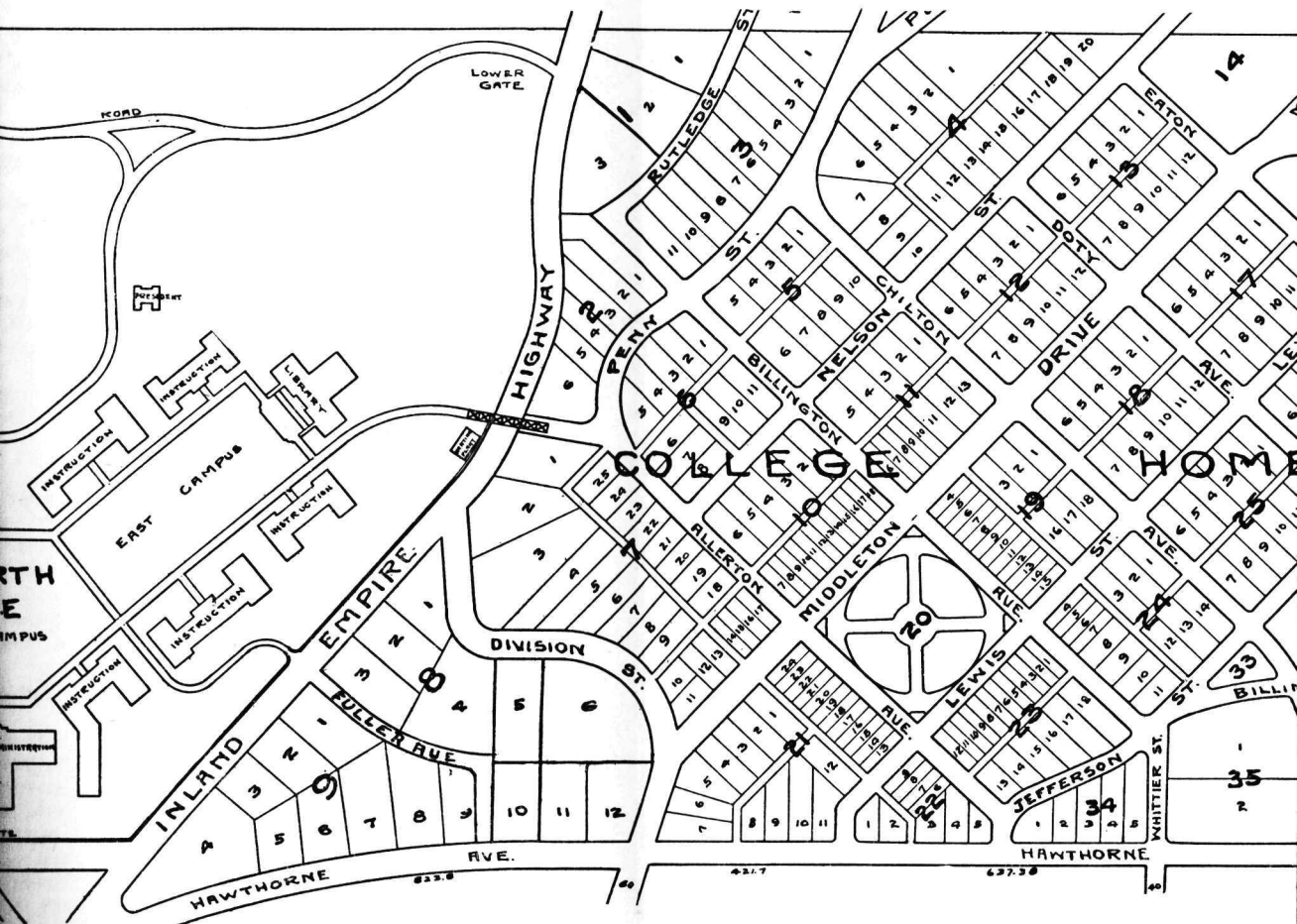
STUDENT ORGANIZATIONS

The Student Association is an organization of students for the purpose of promoting and supporting athletics and other important student activities. Any student is eligible to membership, and upon qualifying for membership, the association presents him with a certificate which entitles him to vote on all questions, to admission to all games held on the home field and to a year's issue of the "Whitworthian." The association elects annually an executive board composed of ten members, whose duty it is to transact business. Those members consist of two faculty members chosen by the faculty, who shall act as advisors and who shall cast the deciding vote on all questions concerning the welfare of the school; the remainder of the board is chosen from each class, the President and Vice-President being chosen from the Senior and Junior classes.

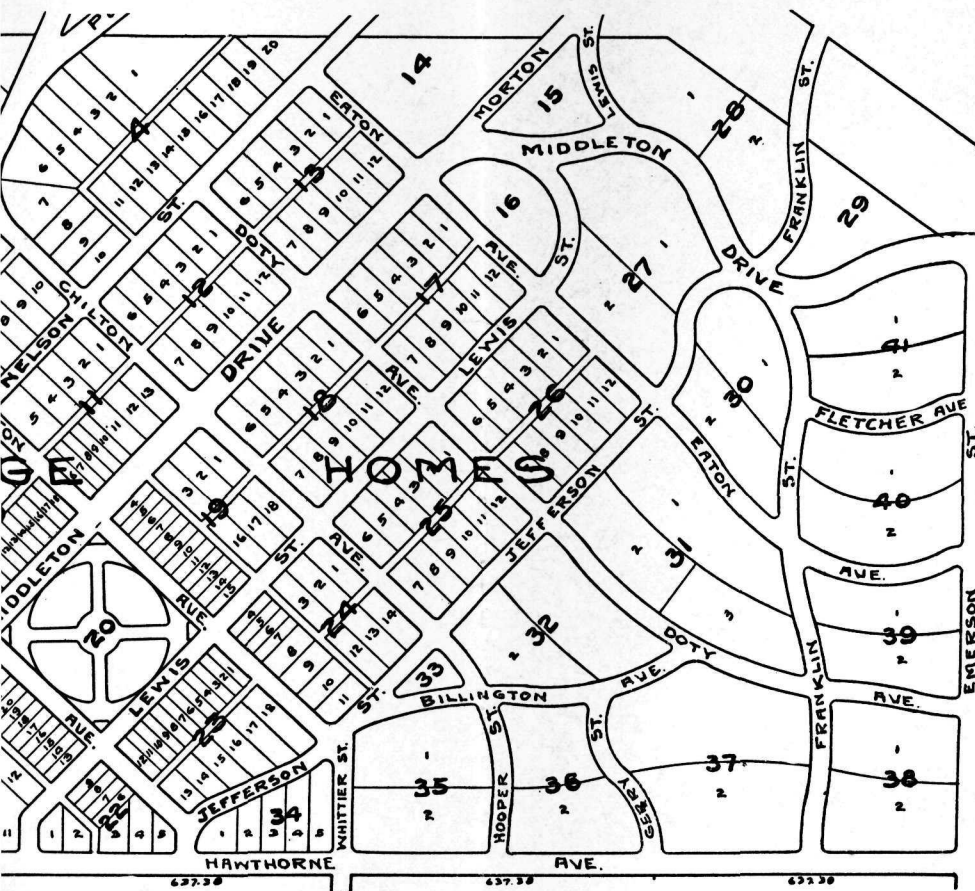
Student Association Dues—This is a fee of five dollars (\$5.00) to be paid at the time of registration to the treasurer of the asso-

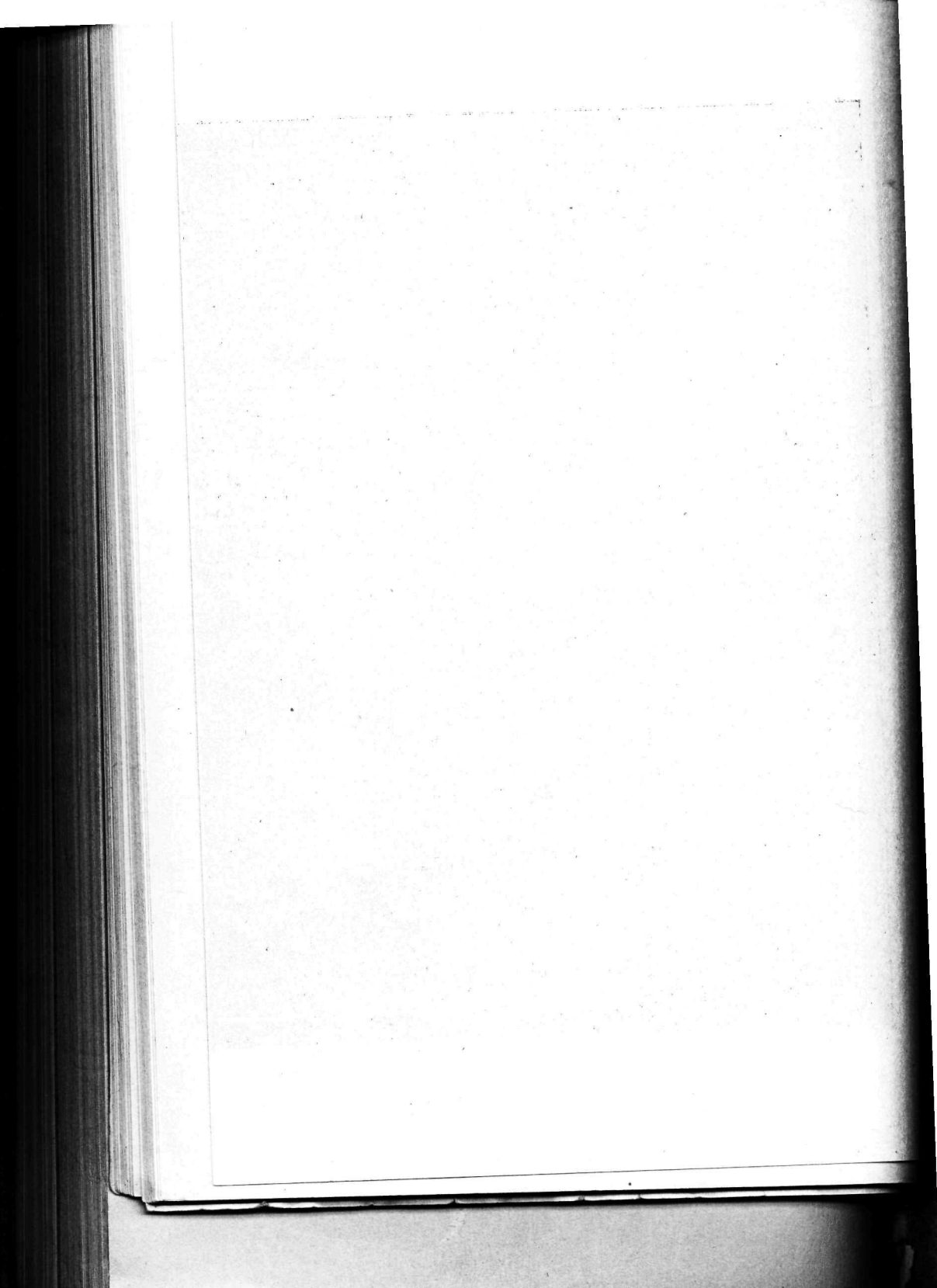


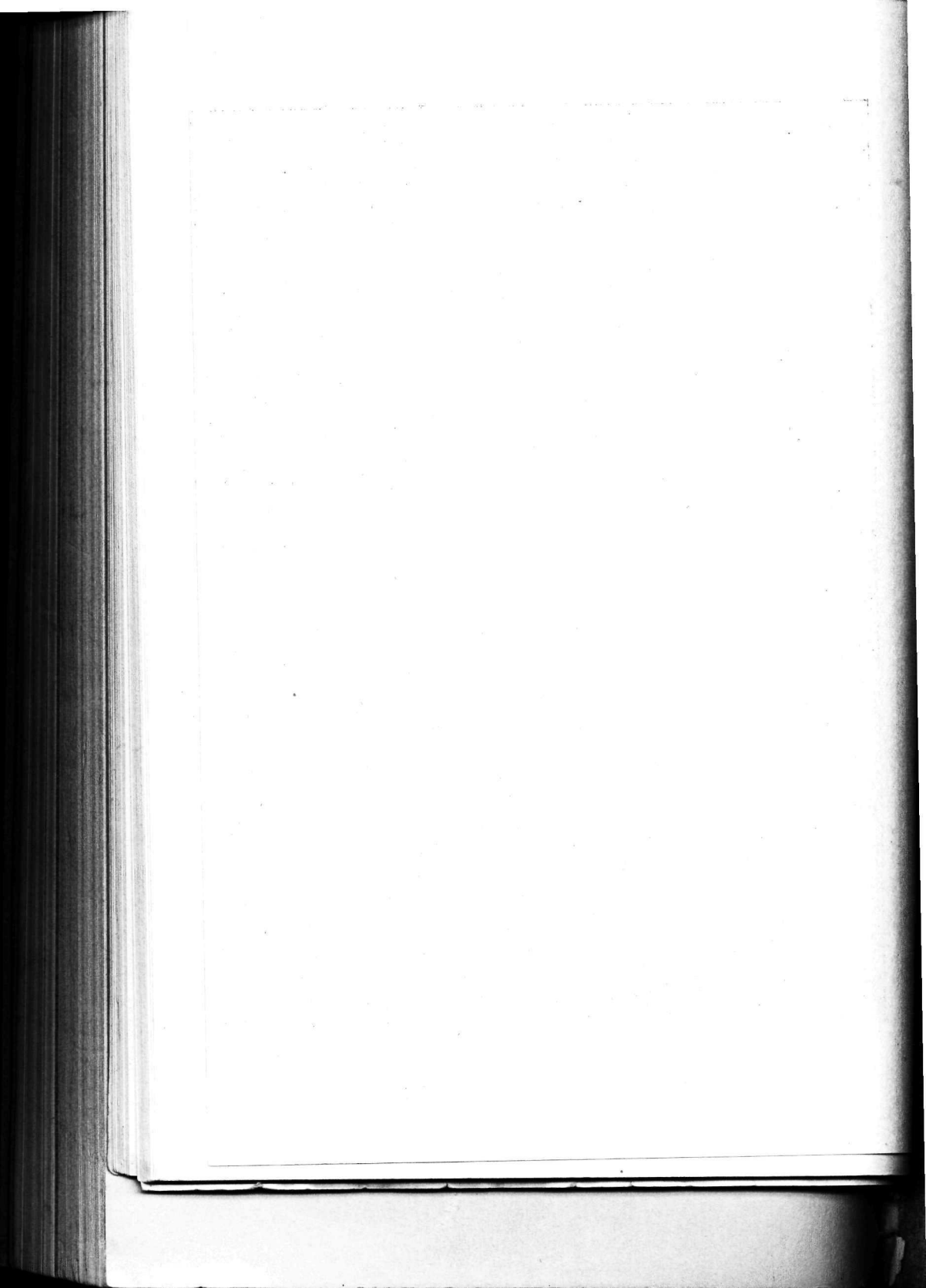
COLLEGE OF

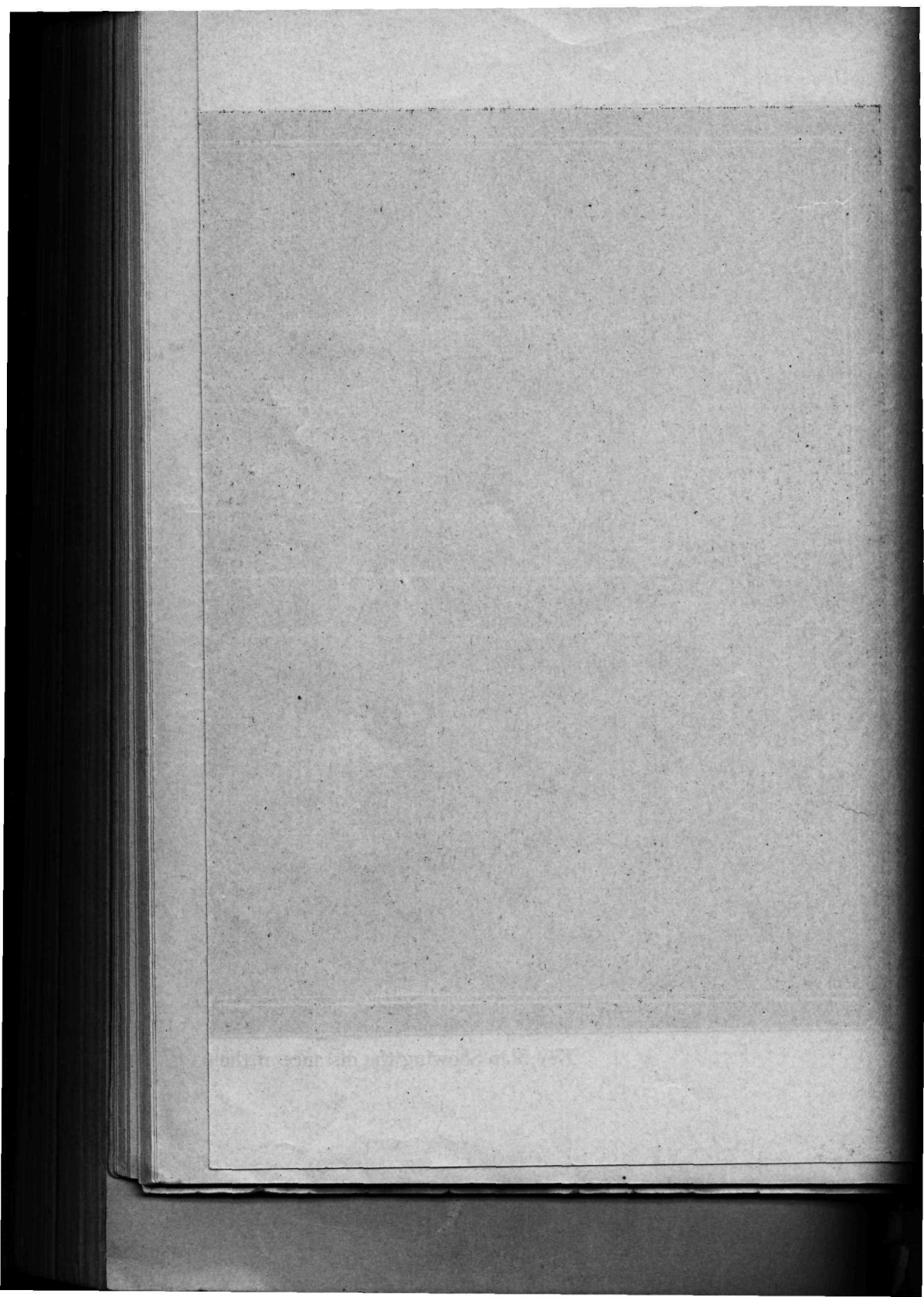


COLLEGE CAMPUS AND COUNTRY HOMES









ciation. Arrangement must be made for the payment of these dues before the student will be allowed to participate in any college activities.

The money thus collected will be used in defraying the general expenses of the student association. A receipt for the payment of dues entitles the owner to a year's subscription to the Whitworthian and is a ticket of admission to all college functions.

The **Criterion Literary Society** is an association of young men and women interested in the study of literature, the usages of parliamentary procedure and the benefits to be derived from debate and oratory. The society meets twice in every month.

The **Kappa Gamma Society** is a society of young women. Its purpose is social and literary. Members are elected from year to year by the society. Membership is limited to twenty-one.

The **Young Women's Christian Association** and the **Young Men's Christian Association** are two strong and effective organizations in Whitworth College. Meetings are held each week. While students are encouraged to participate in these it is aimed to have public speakers address them as frequently as possible. These associations are branches of the National College Associations of the same name and its members are members of the National College Association.

The **Several Classes in College** are organized for mutual improvement and the promotion of class and general college spirit.

NEW STUDENTS

Students coming to Whitworth for the first time should plan to arrive on Saturday or Monday before the opening of the semester, so as to conclude all necessary arrangements. Assignment to rooms and boarding places will be made by the President at the college office. The student should plan to come prepared to pay the fees and bills of the first quarter in advance. Young women may repair directly to the Ladies' Reception Hall and consult the Dean of Women.

TO REACH THE COLLEGE

Take the North Howard car to the city limits, going north, then transfer to college auto-bus which run regularly between street car terminus and the college. The college has a special arrangement, at favorable rates, for delivery of baggage. Students should bring their checks to the college to insure prompt attention and delivery. The Matron looks after the baggage for young women and the Chairman of Faculty for the young men. Immediate needs should be provided for by hand baggage. Students will be met at the depot upon request. There is an auto-bus service direct to the College from Krum's drug store; see map, between pages 10 and 11.

BOOKS

Students provide their own text books, note books, and tablets. The college operates a book store, providing books and stationery and all school supplies at the usual price of stationers.

COLLEGE REGULATIONS

Non-resident students board and room in the college buildings under the immediate supervision of the President of the Faculty.

Non-resident students may be permitted to board and room outside the college buildings, it being understood that all such students are under the same regulations as those governing students within the college buildings.

Business engagements are made only with parents or 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 semester of eighteen weeks or the unexpired portion of the semester after entering the institution.

No non-resident may spend an evening at any place of amusement or the night away from college, without permission previously granted. Visits at home or out of town over Sunday, and any 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 bedspreads, hand and bath towels, laundry bag, toilet articles, and carpet or rug on 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 spring, a dressing case, study table, a chair, rocker, 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 cozy 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. 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.

Students may board at the college during Christmas and Easter vacations at the regular rate, under the usual regulations.

Study hours are from 7:30 to 10 p. m., except Friday night. Students are free from college duties Sunday, except Vesper service.

EXPENSES

The college year is divided into two semesters of eighteen weeks each. For business purposes only, each semester is divided into two quarters of nine weeks each. All bills are payable in advance and are due at the first of each quarter. A student entering any time during the first month of a semester will be charged tuition and fee for the whole quarter. A student leaving during the last month of a semester will not be entitled to any rebate of either room rent or tuition. Room rent, if a room has not been previously engaged, and board will be charged from the time of entering to

the end of the current quarter, a fraction of week being counted as a week. If a room is reserved, rent will be charged from the time for which it was engaged. No rebate of tuition or fees will be made on account of suspension or dismissal. A rebate of not more than fifty per cent of room rent or board may be made. In case of absence on account of prolonged sickness, credit will be given for board paid and will be applied, upon the return of the student. No credit will be given for absence of less than a week.

Tuition in the college, per year.....	\$75.00
Piano, two half-hour lessons per week for the semester.....	45.00
One half-hour per week, for the semester.....	25.00
Less than nine lessons, each.....	1.50
Voice, two half-hours per week, for the semester.....	45.00
One half-hour per week, for the semester.....	25.00
Less than nine lessons, each.....	1.50
Rent of piano for practice, one hour daily for the semester.....	4.00
Two hours daily, for the semester.....	8.00
Violin, one lesson per week, for the semester.....	25.00
Less than nine lessons, each.....	1.50
Class lessons for the semester:	
Piano or Violin sight playing.....	10.00
Harmony.....	15.00
Theory.....	15.00
Harmonic analysis.....	20.00
Solfeggio and dictation.....	10.00
Languages, each.....	10.00
College Electives, each.....	10.00

Subjects Free to Music Students Taking a Full Course.

Lectures on history of music.

Lectures on orchestral instruments.

Recital class and concert department.

Accompanying.

Chorus.

Diction—Italian, French and German (free only to voice students).

Normal course.

Elocution and Dramatic Art, in class, 2 lessons per week,

 for semester.....\$25.00

 Private, 2 half-hour lessons per week..... 35.00

 1 half-hour per week, for semester..... 18.00

 Less than 9 lessons, each..... 2.00

Department of Art:

 Drawing, charcoal, oil painting, water color painting,
 arts and crafts, for the semester, 2 one-hour lessons
 per week.....\$30.00

 For the semester, 1 one-hour lesson per week..... 18.00

Laboratory Fees:

 Chemistry, for the year..... 7.50

 Physics, for the year..... 5.00

 Biology, for the year..... 5.00

 Domestic Science, for the year..... 7.50

Diplomas:

College diploma 5.00

Board and Room:

Table board by the quarter is \$4.00 per week.

Single meals, twenty-five cents; meal tickets, five for \$1.00.

Students bringing guests to table will be charged at single-meal rates.

Room rent, including light and heat, varies from \$1.50 to \$2.00 per week, depending upon size, location and accommodations of the room.

A room may be reserved by paying \$5.00, which will be credited on rent account, but will be forfeited if room is not occupied.

Damage Deposits:

Each student makes a deposit of \$5.00 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.

Laboratory Breakage:

In addition to the laboratory fees, each student in the laboratory course makes a deposit of \$2.00 against breakage, the unused portion of which is returned at the end of the year.

Special Students:

Students taking extra studies in the college pay \$10.00 per semester for each class.

The Board of Trustees have instructed the officers in charge to enforce the rule requiring all students to make satisfactory arrangements for the payment of bills at the time of registration.

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

SELF-HELP

It is possible for students who need aid in securing their expenses, to render college assistance that will be counted as pay for one or more items in the expense account. The college assists several through the year in this way, and Spokane families need help that students can give, so that no student need stay away from college or be discouraged from entering because of the expenses involved. The President will be glad to hear from any who desire to work their way in whole or in part.

PRIZES

W. R. Ballard Oratory Prizes

Beginning with the year 1913, the "W. R. Ballard Oratorical Contest" is established, open to members of the Sophomore and Freshmen classes, with first and second prizes of \$30 and \$20, respectively. The contest takes place during Commencement week, subject to the usual conditions attending contests of this kind. This

is made possible by the generous provision of Mr. W. R. Ballard, of Seattle.

Temperance Oratory Prizes

The Presbyterian General Assembly's Committee on Temperance has made the college a permanent offer of \$25.00, to be used as prize money in an annual temperance oratorical contest. This is handled with much spirit by the local temperance club among the students. This contest is open to all students, and occurs in the spring of the year.

SCHOLARSHIPS

A limited number of students are granted scholarships amounting to free tuition in the college for from one to four years. Only honor graduates from accredited high schools are eligible.

Alumni Scholarships

At their annual meeting and banquet, held June 1, 1912, the Alumni decided to establish a tuition scholarship, to be known as the Alumni Scholarship. The Alumni Association will name the beneficiary and the conditions upon which the scholarship is conferred.

Converse Scholarships

Two scholarships have been endowed by the late Mr. John H. Converse, of Philadelphia, the income from which is applied to the tuition of such candidates for the ministry as may be selected by the faculty. The income available from these for 1916-17 is \$50.00 each.

Silliman Scholarships

One scholarship yielding \$50.00 per year, endowed by Dr. H. B. Silliman, of Cohoes, New York, has been assigned to Whitworth College. By the terms of the trust the income from this fund is to be applied to the "tuition of such male students as are members of some Evangelical Church and shall be selected by the faculty for good scholarship and active Christian influence, with prospect of future usefulness, and under such other conditions as the faculty shall determine."

Rotary Club (Spokane) Scholarships

The Rotary Club offers four scholarships, \$75.00 each,—one each for the years of 1916-17, 1917-18, 1918-19, 1919-20. The beneficiaries of these scholarships agree to return to the College the money thus advanced, on or before four years from date of receipt. The Rotary Scholarships will therefore have a rotating effect from the time they begin.

Cash Scholarships

Whitworth College offers to our men of means an especially good opportunity of helping the college, and at the same time helping students, and thus getting good returns for the money invested. The college desires to establish a number of scholarships providing full college tuition, and asks men and women of means, who want to do something practical and definite, to take up these scholarships, and write to the college immediately of their intention. The college will name the students who will receive the benefits of these scholarships, or will leave it to the donor to name the beneficiary. This is a tuition scholarship only, and covers the tuition for one year. It is not intended for those who are able to pay the tuition, nor should this move invade the present field of patronage. The college knows of worthy young men and women who would be glad of this opportunity. We recommend this investment to our friends of means and urge them to write to us at once and accept this opportunity.

The following scholarships have been established:

Ballard, W. R.	Seattle, Wash.
Black, Frank D.	Seattle, Wash.
Carson, Dr. John F., Central Presbyterian Church.....	Brooklyn, N. Y.
First Presbyterian Church	Spokane, Wash.
Johnston, Mrs. J. B.	Oroville, Wash.
Johnson, Mrs. J. J.	Montesano, Wash.
Lane, Thadeus S.	Spokane, Wash.
Laurie, Rev. James A.	Wenatchee, Wash.
McClure, Margaret	Spokane, Wash.
Port Blakeley Presbyterian Church.....	Port Blakeley, Wash.
Powell & Ross	Hoquiam, Wash.
Reid, James C.	Tacoma, Wash.
Smith, Mr. and Mrs. C. E. (2 clergy)	Spokane, Wash.
South Park Presbyterian Church	Seattle, Wash.
Stewart, James Gordon	Seattle, Wash.
Toevs, G. I.	Spokane, Wash.
Wenatchee Elders	Wenatchee, Wash.
Wenatchee Trustees	Wenatchee, Wash.
Whitworth, F. H.	Seattle, Wash.
Zimmer, Mrs. Carrie M.	Seattle, Wash.

WHITWORTH COLLEGE, Spokane, Wash.:

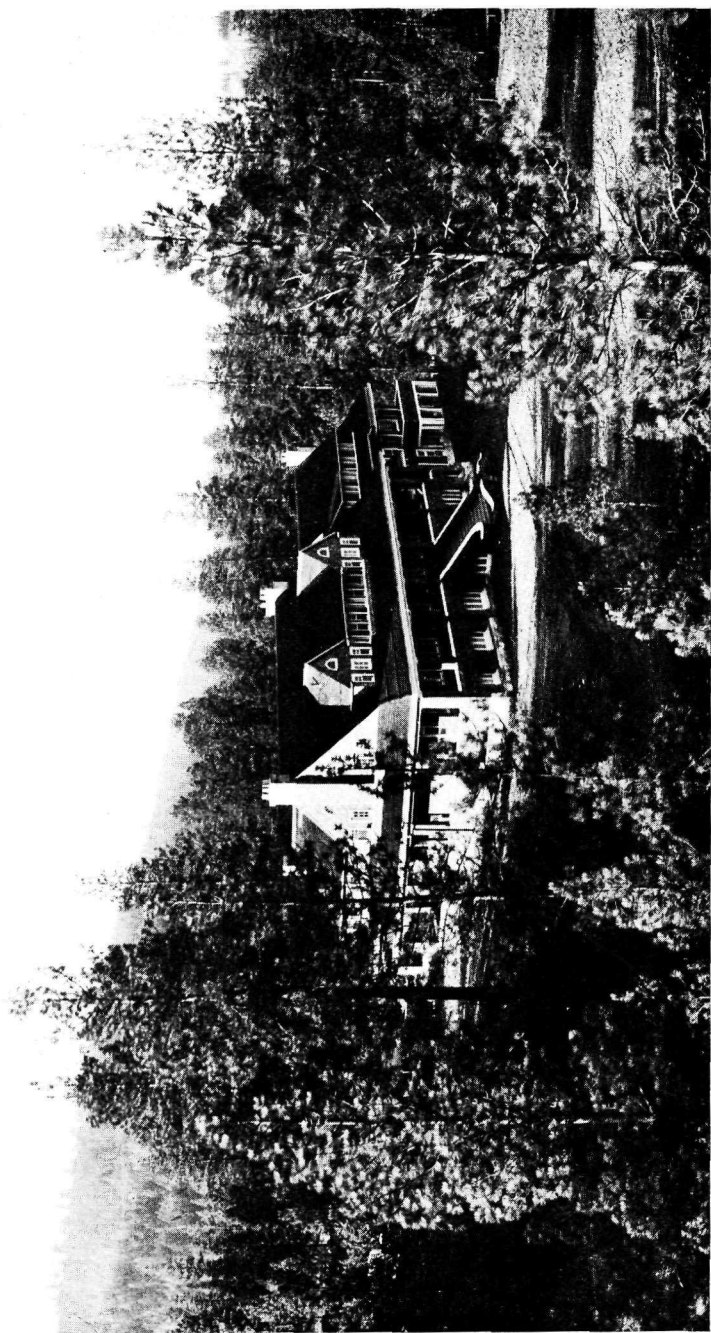
Name of Scholarship

I HEREBY subscribe for one four-year Scholarship in Whitworth College, Spokane, for which I will pay \$75.00 per annum, payable

.....

Signed.....

Date..... Address.....



SPOKANE COUNTRY CLUB (In vicinity of College)

Whitworth College, Spokane, is hereby authorized to require all persons who are beneficiaries of this, and each succeeding scholarship established by this scholarship, to sign the following:

For and in consideration of the advantages received or to be received by me from the acceptance of the..... four years' scholarship in Whitworth College, on or before 10 years from date of my graduation or leaving said college, I agree to subscribe for and establish a scholarship in Whitworth College, Spokane, for the same length of time that I was beneficiary of a scholarship in said college, and to pay for the same at the rate of \$75.00 per annum, payable quarterly.

Perpetuate your name by doing something that will advance the Kingdom of Righteousness and at the same time bring honor to yourself. Give us your note for \$1,500 payable from your estate after death, and we will establish a scholarship under your name in perpetuity. The interest on the \$1,500 will educate young men and women from now on as long as the world stands. See the good come from your generous act while you are living, and estimate, IF YOU CAN, the endless good of sending men and women into the world who have been educated by your act under Christian influence.

THE WHITWORTH FEDERATION

Frederic D. Metzger, '06, President.
Mrs. W. B. Mitchell, '09, Vice-President.
Mrs. L. F. Phipps, '09, Secretary.
Henry Longstreth, Jr., '10, Treasurer.

The Federation is composed of members of the Alumni Association, former students of college standing who have attended Whitworth at least one year, and members of the existing Junior and Senior classes. Its object is to promote interest in the college and to maintain a close relationship between former students and those now in college. Despite the fact that this body has been in existence less than three years, it has accomplished both these things to a marked degree. Every loyal Whitworthian, and there are many of them, will aid the Federation by applying for membership.

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 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 policies 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 regular courses of four years leading to the degree of Bachelor of Arts and Bachelor of Science.
- II.—The School of Music, offering courses in Voice, Piano, Organ, Stringed Instruments, Theory and History of Music.
- III.—The Courses in Art.
- IV.—The Courses in Elocution and Dramatic Art.

THE COLLEGE

Admission

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.

A student may enter either by diploma from an accredited high school, or by examination.

Blank Forms of Application may be obtained by applying to the **"Registrar of Whitworth College, Spokane, Washington."**

The applicant need not wait till the opening of the college but may obtain the blank form of application, by mail, at any time during the vacation and send the application at once to the college. The college invites correspondence pertaining to these matters of admission and classification, for it facilitates enrollment, and assists the applicant in his future plans.

All students contemplating a college course are cordially invited to visit the college, where the President will be pleased to meet and discuss matters of mutual college interest with them. When a visit is impracticable write for catalogue and full particulars.

Accredited High Schools

Applicants from accredited high schools should present, with their application, their diplomas and a certificate (signed by the proper authority) concerning the applicant's preparation in the special studies that are prerequisite to the college course that he wishes to pursue.

No examinations are required of students entering from accredited high schools.

Schools Not Accredited

Students coming from schools not accredited are advised to bring certificates (signed by the proper authority) concerning all the work done, the names of the principal textbooks used and the years when the several studies were taken. This certificate will be considered on its merits and will facilitate classification of the student.

Admission on Examination

Unless admitted on diploma or on a certificate approved by the college the applicant will be required to take an examination in the subjects as outlined below.

Advanced Standing

Students from other colleges must present certificates of honorable dismissal and also a certificate (signed by the proper authority) of the work done preceding that of the class he wishes to enter.

Without such certificate advance standing may be obtained by examination.

Admission With Condition

In some cases, by special action of the faculty, a student may be admitted to the Freshman class with condition.

These condition credits must not exceed three semester credits and must be removed before the beginning of the Sophomore year.

Teachers Admitted Without Examination

No examination is required of teachers holding certificates in the State of Washington, though they will be enrolled with conditions on any subjects not included in teachers examinations, but which are prerequisite to any college course.

The Entrance Credit Defined

A unit represents a year study in a secondary school, for a term of thirty-six weeks at four (60 minute) or five (45 minute) periods per week.

Outline of requirements for admission to courses leading to graduation with the Degree of Bachelor of Arts, or the Degree Bachelor of Science:

	For the Degree B. A.	For the Degree B. S.
English	*4 credits	3 credits
History and Social Science.....	1 credit	1 credit
Chemistry, Physics or Biology.....	1 credit	2 credits
Mathematics	2 credits	*3 credits
Latin, German, French.....	3 credits	2 credits
Electives	4 credits	4 credits
	15 credits	15 credits

*In English (for B. A. degree) 3 credits will be accepted if applicant presents one extra credit in history, modern languages or other subject approved by the committee.

*In mathematics (for B. S. degree) 2 credits will be accepted if applicant presents one extra credit in history, modern languages or other subject approved by the committee.

*Students who intend to major in any of the courses leading to the B. A. degree should present three credits in Latin, and those who intend taking a premedical course in college should present two credits in Latin.

Choosing a Major—Each student, except those classified as specials, must by the end of the Freshman year, choose a major subject in which at least three full years' work (24 credits) must be done to obtain a degree. In these cases the major professor is the student's advisor and in consultation with him the correlated minor subjects should be outlined.

After a student has chosen and duly entered upon a course, in no case may he change this course without special permission of the faculty, and this must be done before the beginning of the Senior year.

Special Students—Persons who are twenty-one years of age and who are not applicants for a degree may enroll for special studies upon satisfactory evidence that they are fully qualified to carry on the work. Their study list must receive the approval of the committee on enrollment and the instructors in charge of the desired studies.

Accredited High School Defined

By law of the State of Washington a "State Board of Higher Education" has been created, consisting of the State Superintendent of Public Instruction, the President of the State University, the President of the State College and the Principals of the Normal Schools. In compliance with the request of any four-year high school, wishing to be placed on the accredited list, the State Board of Higher Education will appoint an examiner for said school. The report of his examination together with his recommendation assist the State Board of Higher Education in determining the merits of the school. Any high school placed on the accredited list may be re-examined at any time, if deemed necessary, by request of any institution of higher learning.

A diploma from an accredited high school admits, without examination, to Whitworth College, though the applicant may be conditioned in some study that is a prerequisite to the college course that he wishes to enter.



MINIMUM GENERAL REQUIREMENTS FOR GRADUATION

The following credits are required of all candidates for graduation:

	Semesters	Credits
English	4	16
Mathematics	2	8
Biology, Chemistry or Physics.....	2	8
Modern Languages	4	16
Social Science	2	8
Bible	8	8
Physical Training	4	4
Required		66
Majors		24
Minors		16
Free Electives		26
Total number for graduation.....		132

GRADUATION

A study occurring one hour per week through one semester is counted one unit.

To graduate requires, inclusive of Biby Study and Physical Culture, 132 units.

To graduate Cum Laude requires an average grade of 90 per cent, no grade to fall below 80 per cent.

To graduate Magna Cum Laude requires an average grade of 95 per cent, no grade to fall below 90 per cent.

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

The marking system in use records the student's standing in percentage, the lowest passing percentage being 75. Absences from recitation count as failures unless the work is made up to the satisfaction of the instructor.

The required number of hours of recitation expected of the regular student is 16 hours a week. This may be raised to 18, by arranging with the office at the time of registration; but no student will be permitted to take over 18 hours a week, without faculty action.

Removal of Conditions—Members of the graduating class must have their record clear of conditions by the end of the first semester of the senior year.

All conditions must be made up in the semester immediately following that in which the work reported as conditioned was done, except by special permission of the instructor in charge the time for making up the condition may be extended to the second semester following in case (1) the course for which the condition was imposed is not repeated until the second semester, and (2) it is con-

sidered necessary that the student make up part, or all, of the work at the time the class is repeated. Any conditions not made up within a year from the time it was imposed shall be counted a failure which cannot be made up.

COURSES OF INSTRUCTION THE BIBLE

Courses

The importance of this study can hardly be overestimated. College students all over the country are found to be deficient in even an ordinary knowledge of the Bible. It is the determination of Whitworth College, and of every other like college, that no student shall get out from its walls lacking in this respect. Accordingly, Bible study is required of every student that enters Whitworth, and that every year, as long as the student attends. There is no exception to this rule. This is one of the things for which a Christian college stands, and without which it would be robbed of one reason for existing.

Courses from among the following are conducted each year:

- 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 a 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 as the chief text.
- 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, environments; 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.
- VI.—The Founding of the Christian Church, as given in the Acts of the Apostles and the Pauline Epistles.
- VII.—Biblical Introduction dealing with the authenticity of the Bible; the sources; the story of the manuscripts; the steps up to the latest revision of our English Bible; a scheme of general Bible History; the formation of the canon and current criticism.
- VIII.—History of Missions. Covering the history, biography and present status of missions, with collateral reading and research work to acquire information as to the various mission fields, their conditions and needs.

- IX.—Bible Doctrine, which is the gathering together of the Scripture passages setting forth the great facts as to God, His character and attributes; Christ, His person and work; Holy Spirit; his personality and offices; Man, his creation, fall, redemption and future destiny; Church, its purpose and work.
- X.—Outline View of the Bible, presenting the Bible as One Book made up of several separate books closely related to one another and constituting a complete whole, really an organism, and giving a comprehensive knowledge of the Bible as to its development and natural groupings of its several books.

PHILOSOPHY AND EDUCATION

Courses

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.

First Semester. Three Hours.

- II. and III.—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 by lectures. A portion of the work is occupied with an analysis of the complex mental processes in the light of advanced experimentation. James' Psychology is the basis, with Hopkins, Baldwin, Ladd, McCosh, Dewey and others as reference works.

Both Semesters. Three Hours.

- IV.—Ethics. This course presents a treatment both theoretical and practical, with a view of ascertaining 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 issued as a guide.

Second Semester. Three Hours.

- V. and VI.—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, Aristotile'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 Throughout the Year.

VII.—Movement of Thought in the 20th Century. Special course or Seniors. Courses IV and V are pre-requisites. Leading speculative theories of the past century are critically analyzed with a view to a clear conception of recent philosophic investigation and to cultivate philosophizing.

Second Semester. Three Hours.

VIII.—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.

Either Semester. Credit to be determined.

IX and X—Principles of Education.

First Semester. Three Hours.

XI.—Philosophy of Education. Open to Seniors and Juniors only. The semester includes a study of the duties and relationships of School Superintendents, Principals and Special Supervisors and Teachers. Given alternate years. Offered in 1916-1917.

Classes in other educational subjects will be formed according to the following rules of the State Board of Education. The principal of alternating subjects will be employed.

Rules Concerning the Law Requiring Twelve Semester Hours In Professional Study of University and College Graduates

Pursuant to a request of the State Board of Education, a conference was held in the office of State Superintendent Josephine Preston, on July 3, 1915, to discuss the law requiring twelve semester hours in professional study in an accredited institution, of university and college graduates, and to determine the subjects in which credits shall be accepted, or in which examination may be taken in lieu of such college work. One or more representatives were present from each of the accredited institutions of higher learning of the State of Washington.

It was decided that for the purpose of administration, the work in Education shall be organized under five groups including such courses as the following:

Group 1. Science of Education	{ Principles of Education Philosophy of Education Educational Psychology Science of Education Theory and Art of Teaching
Group 2. History of Education....	{ History of Education in the United States General History of Education History of Special Phases or Periods including Educational Classics Rural Schools, Industrial Schools Secondary Schools, Elementary Schools Kindergartens
Group 3. Childhood and Adolescence	{ General Course in Child Study Adolescence Genetic Psychology
Group 4. School Administration..	{ Organization Administration Supervision Management Secondary Education Elementary Education Kindergarten
Group 5. Method	{ General Methods Observation and Practice Teaching under competent supervision Cadet Teaching under competent supervision

It was decided that not fewer than two credits of any group offered by the candidate and not more than four credits may be accepted from any one group.

Applicants who have a part of the required credits may be examined in the subjects in which they have no credits, an examination in one subject being the equivalent of four credits.

HISTORY AND SOCIAL SCIENCE

Courses

- I.—General History. The Medieval and Early Modern Periods from the fall of the Western Empire to the Peace of Westphalia.
First Semester. Three Hours.
- II.—General History. A continuation of Course I.
Second Semester. Three Hours.
- III.—General History. The Modern Period from the accession of Louis XIV until the present.
First Semester. Four Hours.

- IV.—General History. A continuation of Course III.
Second Semester. Four Hours.
- V.—Constitutional History of England. Growth of the English Constitution, with constant comparisons with American usages.
First Semester. Four Hours.
- VI.—Constitutional History of the United States.
Second Semester. Four Hours.
- VII.—Political Science. The origin, growth, functions, and present forms of the state with discussions of practical political problems. Alternates with Course VI.
Second Semester. Four Hours.
- VIII.—Economics. The text is Seligman's Principles of Economics. Lectures, field work, and discussions of practical problems are included in this course.
First Semester. Four Hours.
- IX.—Sociology. A careful survey of the subject as a whole, establishing the mutual relations of the social sciences, and tracing the laws and development of human society, with practical investigations and discussions.
Second Semester. Four Hours.
- X.—Seminar Course. Offered in special cases to those sufficiently grounded in the fundamentals of these subjects. The course deals largely with present-day problems. A thesis is required. Credit to be determined by amount of work done.

GREEK Courses

- I. and II.—Beginning Greek (Bonner and Burgess text: Books I and II of Xenophon's Anabasis; prose composition.
Five Hours Throughout the Year.
- III.—Xenophon's Anabasis, book III. Plato: Apology and Crito; Grant's Age of Pericles; prose composition.
First Semester. Four Hours.
- IV.—Homer: Four books of the Iliad or Odyssey; lectures and supplementary reading.
Second Semester. Four Hours.
- V and VI.—Greek Drama. Sophocles' Antigone and Oedipus Tyrannus, Euripedes' Medea, Aristophanes' Frogs will be read; study of other plays in translation. Pre-requisite, Courses III and IV.
Three Hours Throughout the Year.
- VII and VIII.—Greek Oratory. Selected oration of Lysias; Demosthenes' De Corona; selections from Isocrates; lectures and supplementary reading. Pre-requisite, Courses III and IV.
Three Hours Throughout the Year.
- IX and X.—Greek Testament. The class will read selections from the Gospels, Acts of the Apostles, or Pauline Epistles; notes and lectures. Open to those who have had courses I and II.
One Hour Throughout the Year.

LATIN Courses

I and II.—Cicero and Livy. Cicero's *De Amicitia* and *De Senectute* will be read, and Livy, books XXI and XXII; Mackail's *Latin Literature*; prose composition.

Four Hours Throughout the Year.

III.—Epistolary Latin. Selections will be read from the letters of Cicero and Pliny; supplementary reading in Johnson's *Private Life of the Romans*, and other works of reference; prose composition. Open to those who have completed Course I. Not given 1916-17.

First Semester. Four Hours.

IV.—Horace, Odes and Epodes. Special attention will be given to finished translations; prosody; Roman antiquities. Not given 1916-17.

Second Semester. Four Hours.

V.—Tacitus, *Germania* and *Agricola*; supplementary reading; prose composition. The course alternates with Course III.

First Semester. Four Hours.

VI.—Horace, *Satires* and *Epistles*. The course alternates with Course IV.

Second Semester. Four Hours.

VII and VIII.—Teachers' Training Course. A review of secondary school Latin. Selections will be read from Caesar, Cicero, and Vergil, which are not ordinarily taught in the high school. Advanced prose composition; lectures and discussions.

Two Hours Throughout the Year.

DEPARTMENT OF MODERN LANGUAGES GERMAN Courses

I.—Beginning German (for college students who have had no preparatory German). Spanhoofd's *Elementarbuch der Deutschen Sprache*; Worman's *First Book* (for sight reading and pronunciation drill); Grammar by topics explained in blackboard lectures. Students use grammar topic cards instead of grammar text. These cards are used in class, for quick reference. Class conducted in German.

First Semester. Four Hours.

II.—Grammar. Topic card system (as in I); Guerber's *Maerchen und Erzählungen*, I, II; *Im Vaterland*. Class conducted in German.

Second Semester. Four Hours.

III.—Introduction to German Literature. Reading of short stories, plays and poems; German handwriting first introduced. Class conducted in German.

First Semester. Four Hours.

IV.—Lectures on Schiller's Life and Works. Class text, Wilhelm Tell. Second half semester, German newspapers and magazines used as text; grammar review (topics). Class conducted in German.

Second Semester. Four Hours.

XXI.—Scientific German. Reading of science vocabularies in chemistry, physics, biology, medicine, etc. No text book used. Class uses German journals. Science vocabularies compiled. Simple experiments in physics, chemistry, etc., made with demonstrations in German. Laboratory system: Students are not taught in a class, but in groups or as individuals. The instructor assists each member, individually, at his table, in the translation of the journal catalogue, machinery description or other such text selected by the student in the science study he is pursuing. Tollhausen's or Rohrig's Technical Dictionaries. Catalogues and descriptions furnished by German manufacturers of chemical apparatus, etc.

First or Second Semester. Three Hours.

V.—German Literature. Recent writers, novelists, German drama, assigned reading and reports.

First Semester. Four Hours.

VI.—Lectures on Klopstock, Lessing, Goethe (first half semester). Lectures on German traditions, the sources of operas, as Lohengrin, Tannhaeuser, Rheingold, Walkyrie, Goetterdaemmerung, Tell, etc. (second half semester). Required Written reports in German.

Second Semester. Four Hours.

VII.—Lectures on German life, history, government, commerce. Class reports in German on German current events. German newspapers and magazines used as text in class.

First Semester. Four Hours.

VIII.—Lectures on German Origin. Gothic, old High German, Middle High German. Critical study of German grammar.

Second Semester. Four Hours.

IX.—Methods of Teaching German.

Second Semester. One Hour.

X.—Seminar.

German conversation is used in all courses except XXI, and forms a part of semester's credit.

German composition through the written exercises, but especially through the reports of lectures. These reports are corrected in presence of student, and must be kept and resubmitted in file at end of semester as a part of semester's credit.

FRENCH**Courses**

I.—Beginning French (for college students who have had no preparatory French). Henin's Methode; Worman's First Book, and other simple progressive books for rapid sight reading and pronunciation drill. (French-English Grammar text not introduced till second semester). Grammar by topics explained, as needed in blackboard lectures. Students use grammar topic card instead of grammar text. These cards are used in class for quick reference. Class conducted in French.

First Semester. Four Hours.

II.—Grammar. Topic card system (as in I). Guerber's Contes et Legendes, I, II; Une Semaine a Paris (Bacon). French-English grammar for translation exercises and as reference text for topic system. Class conducted in French.

Second Semester. Four Hours.

III.—Introduction to French Literature. Reading of short stories, plays and poems. Class conducted in French.

First Semester. Four Hours.

IV.—Lectures on Victor Hugo's Life and Works. Class text, Les Miserables. Second half semester, French newspapers and magazines used as text. Grammar review (topics). Class Conducted in French.

XXI.—Scientific French. (Same method as in German—see German XXI.)

First or Second Semester. Three Hours.

V.—French Literature. Recent writers, novelists, French drama; assigned reading and reports in French.

First Semester. Four Hours.

VI.—Lectures on Moliere, Racine, Corneille, Voltaire, Dumas (first half semester). Lectures on French traditions, the sources of the opera (second half semester).

VII.—Lectures on French life, history, government, commerce. Class reports in French on French current events. French newspapers and magazines used as text in class.

First Semester. Three Hours.

VIII.—Lectures on French Origin. Provençal. Critical study of French grammar.

Second Semester. Three Hours.

IX.—Methods of Teaching French.

Second Semester. One Hour.

X.—Seminar.

French conversation is used in all courses except XXI.

French composition acquired through the written exercises (French II), but especially through the reports of lectures. These reports are corrected in presence of student and must be kept and resubmitted in file at end of semester as a part of semester's credit.

SPANISH Courses

- I.—Beginning Spanish. Worman's First Book (for sight reading and pronunciation drill); First Book in Spanish, Roessler and Remy; Introduccion a la Lengua Castellana (Marion); Cuentos Alegres Tobaada). Grammar by topics explained in blackboard lectures. Students use grammar topic cards instead of grammar text. These cards are used in class for quick reference. Class conducted in Spanish.
First Semester. Four Hours.
- II.—Grammar. Topic and card system (as in I). Hills and Fords' Grammar for reference and exercises. Spanish short stories (Hill and Reinhardt); Spanish and English conversation (Pinney). Class conducted in Spanish.
Second Semester. Four Hours.
- III.—Arithmetic; Geography. Neuva Aritmetica Elemental (Silver, Burdett y Compania; Geografia Elemental (Appleton). Spanish newspapers used as text. Lectures on the Spanish-American countries, their government, industries, commerce, social life.
First Semester. Four Hours.
- IV.—Introduction to Spanish Literature. Recent writers. Lectures. Pepita Jimenez (Valera).
Writers of the 16th century (second half semester). Lectures. Texts from Calderon and Cervantes.
Grammar Review. Lo Esencial del Lenguaje Castellano.
Second Semester. Four Hours.
- Spanish XXI.—(Same method as in German and French; see German XXI.)
All classes, except XXI, are conducted in Spanish.

ITALIAN Courses

- I.—Beginning Italian. Blackboard lectures on pronunciation and grammar. Conversation. Drill on expressions used in music. Text for reference and exercises, Italian Principia I. Bowen's Italian Reader.
First Semester. Two Hours.
- II.—Short Plays and Stories. First texts, La Locandiera and Il vero Amico. Class conducted in Italian.
Lectures on the traditions upon which the Italian operas are based.
Lectures on Italy, the government and social life.
Second Semester. Two Hours.

Note:—For those wishing to pursue the study of Italian further, a course, "Introduction to Italian Literature," will be defined and the books recommended.

FRENCH**Courses**

I.—Beginning French (for college students who have had no preparatory French). Henin's *Methodes*; Worman's *First Book*, and other simple progressive books for rapid sight reading and pronunciation drill. (French-English Grammar text not introduced till second semester). Grammar by topics explained, as needed in blackboard lectures. Students use grammar topic card instead of grammar text. These cards are used in class for quick reference. Class conducted in French.

First Semester. Four Hours.

II.—Grammar. Topic card system (as in I). Guerber's *Contes et Legendes*, I, II; *Une Semaine a Paris* (Bacon). French-English grammar for translation exercises and as reference text for topic system. Class conducted in French.

Second Semester. Four Hours.

III.—Introduction to French Literature. Reading of short stories, plays and poems. Class conducted in French.

First Semester. Four Hours.

IV.—Lectures on Victor Hugo's Life and Works. Class text, *Les Miserables*. Second half semester, French newspapers and magazines used as text. Grammar review (topics). Class Conducted in French.

XXI.—Scientific French. (Same method as in German—see German XXI.)

First or Second Semester. Three Hours.

V.—French Literature. Recent writers, novelists, French drama; assigned reading and reports in French.

First Semester. Four Hours.

VI.—Lectures on Moliere, Racine, Corneille, Voltaire, Dumas (first half semester). Lectures on French traditions, the sources of the opera (second half semester).

VII.—Lectures on French life, history, government, commerce. Class reports in French on French current events. French newspapers and magazines used as text in class.

First Semester. Three Hours.

VIII.—Lectures on French Origin. Provençal. Critical study of French grammar.

Second Semester. Three Hours.

IX.—Methods of Teaching French.

Second Semester. One Hour.

X.—Seminar.

French conversation is used in all courses except XXI.

French composition acquired through the written exercises (French II), but especially through the reports of lectures. These reports are corrected in presence of student and must be kept and resubmitted in file at end of semester as a part of semester's credit.

SPANISH Courses

I.—Beginning Spanish. Worman's First Book (for sight reading and pronunciation drill); First Book in Spanish, Roessler and Remy; Introduccion a la Lengua Castellana (Marion); Cuentos Alegres Tobaada). Grammar by topics explained in blackboard lectures. Students use grammar topic cards instead of grammar text. These cards are used in class for quick reference. Class conducted in Spanish.

First Semester. Four Hours.

II.—Grammar. Topic and card system (as in I). Hills and Fords' Grammar for reference and exercises. Spanish short stories (Hill and Reinhardt); Spanish and English conversation (Pinney). Class conducted in Spanish.

Second Semester. Four Hours.

III.—Arithmetic; Geography. Nueva Aritmetica Elemental (Silver, Burdett y Compania; Geografia Elemental (Appleton). Spanish newspapers used as text. Lectures on the Spanish-American countries, their government, industries, commerce, social life.

First Semester. Four Hours.

IV.—Introduction to Spanish Literature. Recent writers. Lectures. Pepita Jimenez (Valera).

Writers of the 16th century (second half semester). Lectures. Texts from Calderon and Cervantes.

Grammar Review. Lo Esencial del Lenguaje Castellano.

Second Semester. Four Hours.

Spanish XXI.—(Same method as in German and French; see German XXI.)

All classes, except XXI, are conducted in Spanish.

ITALIAN Courses

I.—Beginning Italian. Blackboard lectures on pronunciation and grammar. Conversation. Drill on expressions used in music. Text for reference and exercises, Italian Principia I. Bowen's Italian Reader.

First Semester. Two Hours.

II.—Short Plays and Stories. First texts, La Locandiera and Il vero Amico. Class conducted in Italian.

Lectures on the traditions upon which the Italian operas are based.

Lectures on Italy, the government and social life.

Second Semester. Two Hours.

Note:—For those wishing to pursue the study of Italian further, a course, "Introduction to Italian Literature," will be defined and the books recommended.

DEPARTMENT OF ENGLISH

Courses

- I and II.—Rhetoric and Composition. Effectiveness and skill in English composition are the objects sought in this course. Daily themes and a study of some of the best modes in English prose constitute the chief work of these courses.
Both Semesters. Four Hours.
- III and IV.—History of English Literature. A general survey of English Literature and its relation to the times in which it was produced are the objects of this course.
Both Semesters. Four Hours.

Electives Open to Juniors and Seniors

- V.—Modern Poetry. A study will be made of the best poems from the Lyrical Ballads of 1798 to the present time, with especial emphasis upon Wordsworth, Keats, Shelley, Tennyson and Browning.
First Semester. Four Hours.
- VI.—American Literature. A rapid survey of American Literature is the general design of this course.
One Semester. Two Hours.
- VII.—Greek Tragedy and Epic. A study of the Greek masterpieces in the best English translations. The nature of this course will be extensive rather than intensive, with the aim of stimulating interest in these classics.
One Semester. Two Hours.
- VIII.—Shakespeare Course. Eighteen of Shakespeare's plays are read and a careful study made of a few of the greatest ones.
One Semester. Four Hours.
- IX.—Novel Course. Development of the English novel in the 19th century. Eighteen of the best English novels are used as a basis of lectures covering this field.
One Semester. Four Hours.

ELOCUTION AND DRAMATIC ART

The end and aim of all our work is the harmonious growth of the whole being—Froebler.

This department aims to teach the dignity and worth of the art of expression, to broaden the intellect of the student, to strengthen his imagination, and to develop his personality. The development of the individuality of each person is the key-note of the method, and all systems founded upon imitation are discouraged. Art is founded upon the laws of nature. Nature must not be confounded with habit. Habit produces mannerisms and colloquialisms, which the work seeks to eradicate.

The student is led to create ideals from a comprehensive study and a keen appreciation of fine literature. To express knowledge is to more thoroughly understand it; and the greater his understanding, the greater will be his accuracy and power in delivery.

The artist must communicate his ideas through voice and action, and therefore these must be brought into harmony and co-ordination with the mind. A pure resonant, flexible voice and a well poised, alert and mobile body are the results of correct usage, which can only be required by practical and constant perseverance in the study of vocal and physical training. Whitworth College affords such a course, that through the assimilation of the principles of vocal and physical training the student acquires clear enunciation, modulation of voice and freedom from nervous restraint, improves his health and evolves physical expression. Every means is employed to produce intelligent and magnetic reciters and impersonators and thorough and competent teachers. Finally, the aim is to give real—not superficial—culture; for true expression has for its highest ideals not merely dramatic display, but the complete development of the individual.

ELOCUTION AND DRAMATIC ART

Courses of Study

Physical Training:

Freedom, control, alertness, co-ordination and harmony of body.
Poise and carriage of body. Stage deportment.

Dramatic Action:

The principles of pantomimic expression. Study of agents of body. Laws of space, time, motion. Representative action.
Emotional action. Picturesque signs of deaf-mute language.

Pantomime:

Studies in emotions. Original impersonations. Individual sketches.

Vocal Training:

Breathing, tone-placing, articulation, flexibility, resonance.

Vocal Expression:

Impression—expression. Sight reading. Bible and hymn reading. Study of excerpts for developing the imagination. Analysis of selections from standard authors. Emphasis, color, emotional values.

Impersonation:

Studies from life. Studies from literature. Original conceptions.

Dramatic Interpretation:

Adaptations from current literature. Selections from standard authors. Dramatic analysis and representation of scenes from Shakespeare. Dramatic rendering of poems from Browning.

Criticism and Recitation:

Preparation of poems from standard literature for class criticism. Criticism on individual selections specially prepared for public presentation.

Impromptu and Public Speaking:

Observation. Personification. Discourse. Extemporaneous debates.

Oratory:

Study of masterpieces of oratory.

Dialect:

Irish, Scotch, Lancashire, Dutch, Negro, etc.

Original Work:

Adapting short stories and entire books for public presentation.
Dramatizing for stage representation. Criticism on original productions.

Stage Business:

Staging of scenes from Shakespeare and Dickens. Practise in staging and coaching. Production of farces and plays.

(For terms see "Expenses, page 23.")

DEPARTMENT OF MATHEMATICS

Courses

Courses I to V form a sequence which should generally be taken in the order named before any of the more advanced courses. Courses VII-XIII may then be taken in any order.

Course I or II is required of all candidates for the A. B. degree; I and II of all candidates for the B. S. degree; I-V and twelve hours selected from VI-XIII of all candidates for the B. S. degree pursuing the Mathematical course.

Courses IV and V are the most important of the mathematical courses, and should be taken by all students who desire a conception of the power and wide usefulness of mathematics. Their subject matter permeates all higher mathematics and finds countless applications in engineering and other scientific problems.

Courses I-V will be given every year. Not more than eight hours of the remaining courses will be given in any single semester.

I.—Plane Trigonometry. The trigonometric functions and their properties. Use of logarithms. Solution of triangles. Trigonometric equations. Circular measure. History of trigonometry. Numerous applications. Pre-requisite: Plane Geometry and at least one year of Algebra. Required of all candidates for a degree.

Both Semesters. Four Hours.

✓ II.—College Algebra. Review of elementary Algebra with emphasis on fundamental principles. Development of functional notation. Progressions. Variation. Complex numbers. Binomial Theorem. Logarithms. Permutations and Combinations, Series. Determinants. Elementary theory of equations. Graphic methods used constantly. Pre-requisite: Course I. Required of all candidates for a degree.

First Semester. Four Hours.

III.—Analytic Geometry. Equations of curves in rectangular and polar co-ordinates. Algebraic study of the conic sections and more common higher plane curves. General equation of second degree. Introduction to Solid Analytic Geometry. Pre-requisite: Courses I and II. Required of all candidates for the B. S. degree.

Second Semester. Four Hours.

IV.—Calculus I. Theory of limits. Differentiation and integration of the algebraic and elementary transcendental functions. Simpler applications to geometry, algebra, physics and mechanics. Pre-requisite: Course III. Required of all candidates for the B. S. degree.

First Semester. Four Hours.

V.—Calculus II. Further study of differentiation and integration, especially of functions not considered in Course I. Improper and multiple integrals. Series. Methods of approximation. More advanced applications. Pre-requisite: Course IV. Required of all candidates for the B. S. degree in the Mathematical course.

VI.—Mechanics. An elementary course, treating the general principles of forces and their effects, without the use of Calculus. Prerequisite: Course I.

Second Semester. Two Hours.

VII.—Solid Analytic Geometry. Systems of co-ordinates. Equations of line and plane in space. Systematic study of the quadric surfaces.

Either Semester. Four Hours.

VIII.—Theory of Equations. Theory of determinants. Complex numbers. General properties of polynomials and of equations. Solution of higher degree equations.

Either Semester. Four Hours.

IX.—Advanced Calculus. Theory of integration. Advanced applications to geometry of plane and space. Study of hyperbolic, Beta, and Gamma functions. Introduction to Fourier Series.

Either Semester. Four Hours.

X.—Elliptic Integrals. Lectures on the development of the Legendre theory of integration. Extension to the elliptic functions. Applications.

Either Semester. Four Hours.

XI.—Ordinary Differential Equations. Solution of the more common types of differential equations, especially of the first and second order. Geometric interpretation. Application to geometry, physics and astronomy.

Either Semester. Four Hours.

XII.—History of Mathematics. Readings and reports on the development of the science. Thesis required. Emphasis on relation of history to pedagogy of mathematics. Open to students at option of instructor.

Either Semester. Two Hours.

XIII.—Pedagogy of Secondary Mathematics. A course for students intending to teach High School mathematics.

Either Semester. One or Two Hours.

The college does not propose, at the present time, to attempt to establish courses and give degrees in the various engineering professions. Such technical and diversified instruction will be added later. The object of these beginning courses is to lay the foundation for a high class technical school in connection with Whitworth College and for the present to make it possible for young men who desire to take up engineering work, to get the first two years of their college training near home; thus saving the much greater expense made necessary by beginning in the large technical schools of the east. These outlined courses in engineering correspond to the work given in the first two years at recognized engineering schools. Advanced work will be offered in Science, Mathematics and Civil Engineering to students who desire to make the full four-year course leading to the degree of Bachelor of Science.

In any event the student is advised to complete a four-year course whenever it is at all possible. Work classed as general studies can thus be dispensed with and more time given to specialized discourse. A full knowledge of these general studies (History, English, Languages, Political Science, etc.), acquired in the four-year course at Whitworth College, but not necessarily required in technical schools, will be of great value in further study and in actual engineering practice.

SCIENTIFIC GERMAN AND FRENCH

Students will receive instruction in German and French according to Laboratory System, which is known as Scientific German or French and is given to meet the requirements of any technical school selected for Junior and Senior year. Each student is occupied as in a laboratory and assisted personally in acquiring well a special vocabulary relating to his chosen science.

The following are explanations and outlines of courses:

ENGINEERING COURSES

Applied Mathematics

- I.—Plane Surveying. A course of three one-hour exercises each week throughout the first term of the second year, consisting of lectures and recitations on the various surveying methods, supplemented by exercises in the field and drafting-room. The field work consists of the manipulation and use of the chain, compass, transit and level. Actual surveys are made along with the necessary computations and scale of drawings, profiles, and contour maps.
- II.—Advanced Surveying. Lectures and exercises on triangulation, astronomical observations for azimuth, latitude and time; precise leveling, stadia and plane-table surveys. These exercises are supplemented by field work, computations and map work.

Two Hours per Week, both Semesters.

III.—Railroad Engineering. A short course in the study of railroad curves and earth work and their application in location and construction. The course is supplemented by field and office work.

Three Hours per Week for One Semester.

IV.—Hydraulic Engineering. A short course covering the principles of hydrostatic and hydrodynamic pressure, the flow of water through pipes, open channels, and over weirs; with special attention to problems in irrigation. The work is supplemented by field work in steamgaging.

Three Hours per Week for One Semester.

V.—Applied Mechanics. A short course in the study of statics, consisting of the general methods and applications of statics, including the determination of reactions, and stresses in frames; of distributed forces, center of gravity and moment of inertia, with special attention to problems in timber construction.

Four Hours per Week for One Semester.

VI.—Mechanism. A brief course in the study of levers, pulleys, links, and various mechanical devices.

One Hour per Week for One Semester.

VII.—Mechanical Drawing. The use of instruments and a study of various geometrical constructions.

Either Semester. Two Hours.

VIII.—Descriptive Geometry. Projection of points, lines and planes; intersections of simple geometrical forms; rotation of points, lines and planes; development.

Either Semester. Two Hours.

DEPARTMENT OF HOME ECONOMICS

The courses offered by the Department of Home Economics are designed to serve two purposes:

(1) To offer a four-year course to those who wish to specialize in Home Economics, and

(2) To offer elective courses to all young women of the college, as part of their general college training.

The work is divided into two specific lines:

Domestic Science includes the study of food materials, household sanitation and hygiene, home nursing and problems of scientific household management.

Domestic Art includes the study of textile fabrics, practice in hand and machine sewing, art needlework, millinery, study of child life, as well as house planning and home decoration.

High School or Academy Physiology is a pre-requisite to the work in Domestic Science, and entrance requirements for the above course are the same as for the scientific courses.

Students will provide themselves with at least two white aprons large enough to cover both waist and skirt, plain in style and button fastening, also two small towels and one washable holder, which will button onto apron at the side.

HOME ECONOMICS

Courses

Domestic Science I and II.—Study of Food Principles. Processes of the manufacture of foods are considered as well as the combinations of different kinds. Simple meals are planned, prepared and served for a given sum.

2 Classes and 2 Laboratory Periods.

Domestic Science III and IV.—Continuation of Domestic Science I, taking up more advanced cookery. Invalid Cookery is studied and trays prepared.

2 Laboratory Periods.

Domestic Science V and VI.—Advanced Cookery, meals for special occasions. Preparation of various dishes in specified time.

2 Laboratory Periods; 2 Classes in Home Nursing.

Domestic Science VII and VIII.—Practical experiment in dietetics. Senior luncheons. Demonstrations.

2 Classes; 2 Laboratory Periods.

Domestic Art I and II.—Hand sewing, involving the simple stitches. Machine work on simple garments. History and study of textile fibers.

2 Laboratory Periods.

Domestic Art III and IV.—Drafting. Dressmaking. History of Costumes. Art Needle-Work and Millinery.

3 Laboratory Periods (Fee \$1.00)

Domestic Art V and VI.—House sanitation, involving the situation, surroundings, construction, heating, lighting, ventilation, water supply and drainage. House planning, decoration and furnishing. Second Semester, study of child life.

3 Classes.

Home and Social Economics I.—A study of the problems of today which affect the woman, the child and the home. Lectures and reference work. This course is accredited also under the Department of History and Social Science.

3 Classes.

CHEMISTRY

Courses

I.—General Chemistry. Lectures, recitations and laboratory work. Text-book, Alex. Smith's Chemistry for Colleges. The laboratory work consists of a selection of representative experiments, qualitative and quantitative, taken from Smith and Hale's laboratory outlines, also a selection of preparations from raw materials from the standpoint of synthetic chemistry.

2 Lectures and 2 Laboratory Periods. First Semester.

- II.—General Chemistry. Continuation of Course I. Laboratory work consists of synthetic preparations, followed by an introduction to qualitative analysis, using Baskerville and Curtman's Qualitative Analysis.
2 Lectures and 2 Laboratory Periods. Second Semester.
- III.—Qualitative Analysis. Lectures and Laboratory Work. Text-books: Baskerville and Curtman Qualitative Analysis, and Stieglitz's Theoretical Qualitative Analysis. Pre-requisites: Courses I and II.
1 Class and 3 Laboratory Periods per Week.
First Semester.
- IV.—Quantitative Analysis. An introduction to the theories and practice of analysis both gravometric and volumetric. Talbot's Quantitative Analysis and Newth's Chemical Analysis. Pre-requisites: Courses I, II and III.
1 Lecture and 3 Laboratory Periods per Week.
Second Semester.
- V.—A Course in General Organic Chemistry. Three lectures and two laboratory periods per week. The laboratory work consists of a selection of experiments in the preparation of organic compounds taken from "A Laboratory Manual of Organic Chemistry," Jones. All students who are preparing to enter a school of medicine are required to take this course. Pre-requisites: Courses I, II, III and IV.
Course Offered in 1916-17. First Semester.
- VI.—Sanitary and Applied Chemistry. Recitations and laboratory work, covering the chemistry of cooking, cleaning and sanitation. This course is designed to meet the needs of the young women in the Home Economics Department.
2 Classes and 2 Laboratory Periods per Week.
Second Semester.
- VII.—Pedagogical Chemistry. Lectures, reports and discussions of the following topics: Aims, Methods, Sources of Material, Laboratory Equipment, Laboratory Instructions, Modern Text Books and Laboratory Manuals. Pre-requisites: Courses I, II, III, IV and V. Also Physics I and II, and Education. Courses offered every alternate year.
Two Hours. First Semester.
- VIII.—Quantitative Analysis. A laboratory course of either 9 or 12 hours per week and is a continuation of Course IV. Students who are intending to major in mining engineering or in chemical engineering should take this course. Course offered in 1916-17.
3 or 4 Laboratory Periods per Week. Second Semester.
- IX.—Seminar. Special Subjects in Chemistry. Students suitably prepared in the general principles of chemistry such as having covered the equivalent of Courses I, II, III, IV, V and VIII, will be permitted to work out special subjects, either by thesis or by laboratory investigation or both, under the direction of the department. Suitable credit will be arranged for.

PRE-MEDICAL COURSE

Inquiries are frequently made about the kind of course one should take in college for admission to post-graduate work in a school of medicine. There seems to be no recognized pre-medical course, for the reason that there are so many classes of medical schools. All of the first-class medical schools require for entrance the completion of a course in an accredited college. This undergraduate course must include certain credits in Chemistry, Physics, Biology, Mathematics, German, French and English.

Whitworth College graduates who have in recent years elected medicine as their post-graduate work have gone to the Johns Hopkins School of Medicine. They have all been accepted with full credit and have been gratifyingly successful.

The College offers the following outlined courses, leading to the B. S. degree, which fully satisfy the present medical requirements at John Hopkins', and other institutions of equal standing.

In addition to the Mathematics and Physics required for entrance to the Engineering Courses, the Pre-medical course requires two Years of Latin.

Pre-Medical Course in Outline

FIRST YEAR

First Semester		Second Semester	
	Hours		Hours
Inorganic Chemistry	2	Inorganic Chemistry	2
Chemistry Laboratory	6	Chemistry Laboratory	6
English	4	English	4
Mathematics	4	Mathematics	4
German	4	German	4

SECOND YEAR

First Semester		Second Semester	
	Hours		Hours
Qualitative Analysis	2	Qualitative Analysis	2
Chemistry Laboratory	9	Chemistry Laboratory	9
Mathematics	4	Mathematics	4
French	4	French	4
German	4	German	4

THIRD YEAR

First Semester		Second Semester	
	Hours		Hours
Human Physiology	2	Histology	2
Physiology Laboratory	6	Histology Laboratory	6
English	4	English	4
Physics	3	Physics	5
Physics Laboratory	6	Physics Laboratory	6
Elective	4	Elective	4

FOURTH YEAR

First Semester		Second Semester	
	Hours		Hours
Botany	2	Botany	2
Botany Laboratory	6	Botany Laboratory	6
Organic Chemistry	2	Embryology	4
Chemistry Laboratory	6	2 Electives	8
2 Electives	8		

One semester equals 18 weeks.

DEPARTMENT OF BIOLOGY**Courses**

The aim of the courses in Biology outlined below is to acquaint the student with the laws governing life as well as with the habits of growth and history of life of representative forms. These courses must not be understood to be exhaustive but to be a necessary foundation for exhaustive study along many lines. Seminars are arranged for those qualified. All courses include two lectures and six hours laboratory work per week. Outside reading assigned where necessary.

Lectures, 2 Hours; Laboratory, 6 Hours, in All Classes.

I.—Elementary Botany. Only for those who have had no botany in high school. A study of roots, stems, leaves and seeds.
Four Credits. First Semester.

II.—Elementary Botany. Continuation of Course I and open to new students entering second semester and to others who have had no previous work in botany. Types of plants from lowest to highest.

Four Credits. Second Semester.

III.—General Botany. Pre-requisite: Biology I or II. A study of lower plants.

Four Credits. First Semester.

IV.—Taxonomy. Pre-requisite: Biology III. Analysis and classification of spermalophytes.

Four Credits. Second Semester.

V.—General Zoology. For those who have had no zoology in high school.

Four Credits. First Semester.

VI.—General Zoology. Open to students entering second semester. An outline of animal kingdom and study of examples of principal phyla.

Four Credits. Second Semester.

VII.—Invertebrate Anatomy. The structure of invertebrates, including lectures on typical forms and field work and outside reading.

Four Credits. First Semester.

VIII.—Vertebrate Anatomy. A study of vertebrate organology. Dissection of amphibian reptile, bird and mammal and comparison of analogous parts.

Four Credits. Second Semester.

IX.—Human Anatomy and Physiology. A text-book subject accompanied by dissection of a mammal for comparative purposes. It is recommended that VIII be taken before IX whenever possible.

Four Credits. First Semester.

X.—Human Anatomy and Physiology. Pre-requisite: IX, of which the course is a continuation.

Four Credits. Second Semester.

XI.—General Histology. A study of the scientific methods of slide making, including the study of killing and fixing fluids, stains, mounting and clearing reagents. All structure and function considered. Pre-requisite: VI, VII, VIII or IX. Elementary.

Four Credits. First Semester.

XII.—Embryology. Pre-requisite: Biology XI.

Four Credits. Second Semester.

The instructor reserves the privilege of alternating the course outlined above to meet the needs of the department.

DEPARTMENT OF PHYSICS

I.—General Physics. Experimental lectures and laboratory work in Mechanics and the Properties of Matter, Sound and Heat. The outline as given by Reed and Guthrie is followed and special topics in outside reading are required each week. Pre-requisites: High School Physics, and Mathematics I and II.

3 Classes and 2 Laboratory Periods. First Semester.

II.—General Physics. Continuation of Course I. Magnetism, Electricity and Light.

3 Classes and 2 Laboratory Periods. Second Semester.

III.—Electricity, Magnetism and Heat. A course in electrical measurements and a review of heat.

2 Classes and 2 Laboratory Periods per Week.

First Semester.

IV and V.—General Physics. Lectures, recitations and laboratory work in Mechanics, Sound, Heat, Magnetism, Electricity and Light. This course is designed to meet the needs of students who have not taken Physics in the high schools. This course must be taken, or its equivalent, before taking Courses I and II.

2 Classes and 2 Laboratory Periods Per Week.

Both Semesters.

VI.—The Teaching of Physics. A course for those who desire to teach physics in the high schools, consisting of lectures, reports and discussions of subject matter, text-books, methods, selection of laboratory work and laboratory manuals, laboratory arrangement, ordering apparatus, and other practical matters will be discussed.

3 Class Periods per Week. Second Semester.

GEOLOGY

General Geology, an introductory course in dynamical, structural and historical geology. Three credits are given in this course, consisting of two or more hours per week of recitation and lecture, the remaining time being spent in the laboratory. Hand specimens of the common rocks are studied, as well as selected folios of the

atlas of the U. S. Geological Survey. Le Conte's Elements of Geology is used as a text.

Special Courses—Students preparing for teachers' examinations will have the privilege of forming classes for review of Physical Geography and other sciences.

DEPARTMENT OF ART

Instructor—Katherine U. Taft, pupil of Dwight W. Tyron (Smith College), Rose Turner (Boston).

Courses

Art I and II.—Drawing in light and shade from casts. Sketching from life. Painting from still life.

First Semester. Two Hours.

Art III and IV.—Drawing from life and painting from still life. Out-of-door sketching.

Second Semester. Two Hours.

Art V.—Theory of Design—hue, tone and color harmonies. Craft work in leather. Decorative China.

Free to all Art Students.

Both Semesters. One Hour.

Art. VI.—General History of Art. The Masterpieces of Architecture, Sculpture and Painting.

The course begins with Egypt and follows the main stream of European civilization to the Italian decadence. The Greek and Renaissance periods receive the chief emphasis.

A fee of \$1.50 per semester is charged for illustrative material which becomes the property of the student. No required text-books.

Both Semesters. One Hour.

(For terms see "Expenses," Page 22.)

HISTORY AND SOCIAL SCIENCE

Freshman Year

First Semester	Hours	Second Semester	Hours
History I	3	History II	3
English	4	English	4
Mathematics	4	Mathematics	4
Modern Language	4	Modern Language	4
Bible	4	Bible	1

Sophomore Year

History III	4	History IV	4
Science	4	Science	4
English	4	English	4
Physical Training	1	Physical Training	1
Bible	1	Bible	1
Electives	2	Electives	2

Junior Year

History V	4	History VI or VII.....	4
Philosophy (Psychology).....	3	Philosophy (Ethics)	3
Physical Training	1	Physical Training	1
Bible	1	Bible	1
Electives	7	Electives	7

Senior Year

History VIII	4	History IX	4
Bible	1	Bible	1
Electives	11	Electives	11

GREEK**Freshman Year**

First Semester		Second Semester	
	Hours		Hours
Greek I	5	Greek II	5
Latin I	4	Latin II	4
English I	4	English II	4
Mathematics I	4	Mathematics II	4
Bible	1	Bible	1

Sophomore Year

Greek III	4	Greek IV	4
Latin III	4	Latin IV	4
English III	4	English IV	4
Hist. and Social Science III..	3	Hist. and Soc. Science IV.....	3
Bible	1	Bible	1

Junior Year

First Semester		Second Semester	
	Hours		Hours
Greek V	3	Greek VI	3
Modern Languages I.....	4	Modern Languages	4
Hist. and Social Science VIII	4	Hist. and Social Science IX..	4
Science	4	Science	4
Bible	1	Bible	1

Senior Year

Greek VII	3	Greek VIII	3
Philosophy II	3	Philosophy III	3
Bible	1	Bible	1
Elective	8	Elective	8

LATIN**Freshman Year**

First Semester		Second Semester	
	Hours		Hours
Latin I	4	Latin II	4
Greek I	5	Greek II	5
English I	4	English II	4
Mathematics I	4	Mathematics II	4
Bible	1	Bible	1

Sophomore Year

Latin III	4	Latin IV	4
Greek III	4	Greek IV	4
English III	4	English IV	4
Hist. and Social Science III..	3	Hist. and Social Science IV..	3
Bible	1	Bible	1

Junior Year

Latin V	4	Latin VI	4
Modern Language	4	Modern Language	4
Hist. and Social Science.....	4	Hist. and Social Science IV...	4
Science	4	Science	4
Bible	1	Bible	1

Senior Year

Latin VII	2	Latin VIII	2
Philosophy II	4	Philosophy III	4
Bible	1	Bible	1
Elective	8	Elective	8

MODERN LANGUAGES

Freshman Year

First Semester

Second Semester

	Hours		Hours
*German I or French I or		German II or French II or	
Spanish I	4	Spanish II	4
English I	4	English II	4
Mathematics I	4	Mathematics II	4
Latin I	4	Latin II	4
Bible	1	Bible	1

Sophomore Year

*German III or French III or		German IV or French IV or	
Spanish III	4	Spanish IV	4
English III	4	English IV	4
Hist. and Social Science III..	3	Hist. and Social Science IV..	3
Language beside major.....	4	Language beside major.....	4
Bible	1	Bible	1

Junior Year

German or French V.....	3	German VI or French VI.....	3
Philosophy V	4	Philosophy-III	4
Language besides major.....	4	Language beside major.....	4
Biology or Chemistry or		Biology or Chemistry or	
Physics	4	Physics	4
Bible	1	Bible	1

Senior Year

German VII or French VII...	3	German VIII or French VIII	3
Language beside major.....	4	Language beside major.....	4
Bible	1	Bible	1
Elective	8	Elective	8

*Modern language requirements: 4 years of one language, as major; 3 years of language, other than major.

If major is German, student should take 4 years of German and 2 years in French and 1 year in Spanish (or Italian).

ENGLISH**Freshman Year**

First Semester		Second Semester	
	Hours		Hours
English I	4	English II	4
Greek, Latin, French, Spanish	4	Greek, Latin, French, Spanish	4
Mathematics I	4	Mathematics II	4
Bible	1	Bible	1
Chemistry I or Biology I or V	4	Science continued	4

Sophomore Year

English III	4	English IV	4
Greek, Latin, German, French or Spanish	4	Greek, Latin, German, French or Spanish	4
Hist. and Social Science	3	Hist. and Social Science	3
Public Speaking	4	Bible	1
Bible	1	Elective	4

Junior Year

English (Elective)	4	English (Elective)	4
Greek, Latin, German, French or Spanish	4	Greek, Latin, German, French or Spanish	4
Hist. and Social Science	3	Hist. and Social Science	3
Bible	1	Bible	1
Elective	4	Elective	4

Senior Year

English (Elective)	4	Elective	5
Greek, Latin, German, French or Spanish	4	English (Elective)	4
Philosophy IV or Philosophy II (Psychology)	3	Greek, Latin, German, French or Spanish	2
Bible	1	Bible	1
		Elective	8

MATHEMATICS**Freshman Year**

First Semester		Second Semester	
	Hours		Hours
Mathematics I	4	Mathematics II	4
English I	4	English II	4
Biology V	4	Biology VI	4
German or French I	4	German or French II	4
Bible	1	Bible	1

Sophomore Year

Mathematics III	4	Mathematics IV	4
Chemistry I	4	Chemistry II	4
History I	3	History II	3
German or French III	3	German or French IV	3
Bible	1	Bible	1

Junior Year

Mathematics V	3	Mathematics V	3
Physics I	4	Physics II	4
Philosophy I	3	Philosophy II	3
Elective	4	Elective	4
Bible	1	Bible	1

Senior Year

Mathematics (Elective)	4	Mathematics (Elective).....	4
English III	4	English IV	4
Social Science I.....	4	Social Science III.....	4
Elective	2	Elective	2
Bible	1	Bible	1

FIRST YEAR FOR ALL COURSES IN ENGINEERING AND NATURAL SCIENCE

First Semester

Hours

Second Semester

Hours

College Algebra	4	Mechanical Drawing	4
Inorganic Chemistry	2	Analytical Geometry	4
Chemistry Laboratory	6	Inorganic Chemistry	2
English	4	Chemistry Laboratory	6
*Trigonometry, Plane and Spherical	4	Mechanical Drawing	4
		Descriptive Geometry	4

*Semester of 16 weeks for this subject, and 18 weeks for all other subjects.

SECOND YEAR COURSE, MECHANICAL, CIVIL, ELECTRICAL ENGINEERING AND MATHEMATICS

Majoring in Mathematics

First Semester

Hours

Second Semester

Hours

Physics	3	Physics	5
Physics Laboratory	6	Physics Laboratory	6
German	3	German	3
Calculus	3	Calculus	3
Plane Surveying	4	Applied Mechanics	4
History	3	Engineering Drawing two periods	4
Mechanism	1		

SECOND YEAR COURSE FOR PHYSICAL AND CHEMICAL ENGINEERING

Majoring in Physics and Chemistry

First Semester

Hours

Second Semester

Hours

Physics	3	Physics	3
Physics Laboratory	6	Physics Laboratory	6
German or French	3	German or French.....	3
Calculus	3	Calculus	3
Mechanism	1	Chemistry,, Qualitative Analysis	2
Chemistry, Qualitative Analysis	2	Chemistry Laboratory	9
Chemistry Laboratory	9		

SECOND YEAR COURSE, SANITARY ENGINEERING Majoring in Chemistry

First Semester	Hours	Second Semester	Hours
Physics	3	Physics	5
Physics Laboratory	6	Physics Laboratory	6
Calculus	3	Calculus	3
German	3	German	3
Chemistry, Qualitative Analy- sis	2	Chemistry,, Qualitative Analy- sis	2
Chemistry Laboratory	9	Chemistry Laboratory	9
Plane Surveying	4	Engineering Drawing, t w o periods	4

SECOND YEAR COURSE, BIOLOGY AND PUBLIC HEALTH

Majoring in Biology

First Semester	Hours	Second Semester	Hours
General Biology, Lectures.....	2	General Biology, Lectures.....	2
Biology Laboratory	6	Biology Laboratory	6
Chemistry, Qualitative Analy- sis	2	Chemistry, Qualitative Analy- sis	2
Chemistry Laboratory	9	Chemistry Laboratory	9
Physics	3	Physics	5
Physics Laboratory	6	Physics Laboratory	6
German	3	German	3
Mathematics	3		

DEPARTMENT OF CHEMISTRY

Freshman Year

First Semester	Hours	Second Semester	Hours
Chemistry I	4	Chemistry II	4
English I	4	English II	4
Mathematics I	4	Mathematics II	4
German or French.....	4	German or French.....	4
Bible	1	Bible	1

Sophomore Year

First Semester	Hours	Second Semester	Hours
Chemistry III	4	Chemistry IV	4
Physics I	4	Physics II	4
German or French.....	4	German or French.....	4
English III	4	English IV	4
Bible	1	Bible	1

Junior Year

Chemistry V	4	Chemistry VI, VII or IX.....	4
Biology I or V.....	4	Biology II or VI.....	4
Philosophy II	3	Philosophy II	3
Elective	4	Elective	4
Bible	1	Bible	1

Senior Year

Physics III	4	Biology VII	4
Hist. and Social Science VIII	4	Hist. and Social Science IX..	4
Elective	8	Elective	8
Bible	1	Bible	1

BIOLOGY**Freshman Year**

First Semester		Second Semester	
	Hours		Hours
Biology I or V.....	4	Biology II or VI.....	4
English I	4	English II	4
Mathematics I	4	Mathematics II	4
German I or French I.....	4	German II or French II.....	4
Bible	1	Bible	1

Sophomore Year

Biology III or VII.....	4	Biology IV or VIII.....	4
Physics I	4	Physics II	4
German III or French III.....	4	German IV or French IV.....	4
English III	4	English IV	4
Bible	1	Bible	1

Junior Year

First Semester		Second Semester	
	Hours		Hours
Biology IX	4	Biology X	4
Chemistry I	4	Chemistry II	4
Hist. and Social Science I, III or V	3 or 4	Hist. and Social Science II, IV or VI.....	3 or 4
Bible	1	Bible	1
Elective	4	Elective	4

Senior Year

Chemistry III or Physics III..	4	Chemistry IV, V, VI or IX or Physics VI	4
Philosophy IV	3	Philosophy II	3
Hist. and Social Science VIII..	4	Hist. and Social Science IX..	4
Bible	1	Bible	1
Elective	4	Elective	4

HOME ECONOMICS**Freshman Year**

First Semester		Second Semester	
	Hours		Hours
Domestic Science I.....	4	Domestic Science II.....	4
Chemistry I	4	Chemistry II	4
Mathematics I	4	Mathematics VII	4
English I	4	English II	4
Bible	1	Bible	1

Sophomore Year

Domestic Science III.....	2	Domestic Science IV.....	2
Domestic Art I.....	2	Domestic Art II.....	2
Chemistry III.....	4	Chemistry VI.....	4
Biology IX.....	4	Biology X.....	4
English III.....	4	English IV.....	4
Bible.....	1	Bible.....	1

Junior Year

Domestic Science V.....	4	Domestic Science VI.....	4
Domestic Art III.....	3	Domestic Art IV.....	3
German I or French I.....	4	German or French II.....	4
Elective.....	4	Elective.....	4
Bible.....	1	Bible.....	1

Senior Year

First Semester		Second Semester	
	Hours		Hours
Domestic Science VII.....	3	Domestic Science VIII.....	3
Domestic Art V.....	3	Domestic Art VI.....	3
Home and Social Economics..	3	Home and Social Economics..	3
German III or French III.....	4	German IV or French IV.....	4
Elective.....	4	Elective.....	4
Bible.....	1	Bible.....	1

HOME ECONOMICS**Special Courses for Rural Teachers**

First Semester		Second Semester	
	Hours		Hours
Domestic Science I.....	4	Domestic Science II.....	4
Domestic Art I.....	4	Domestic Art II.....	4
Home Nursing.....	1	Home Nursing.....	1
Organization of Home Eco- nomics.....	1	Organization of Home Eco- nomics.....	1
Psychology.....	3	Pedagogy.....	3
Bible.....	1	Bible.....	1
Elective.....	3	Elective.....	3

WHITWORTH COLLEGE SCHOOL OF MUSIC

The School of Music at Whitworth College aims not only to educate pupils in the art of music, but also to instill in them a general appreciation of the artistic and beautiful. The art of music is so complex, and its mastery so difficult, that the study of one of its branches alone is not sufficient for the development of the serious musician. The music department, therefore, arranges a course of study for each branch of work, including theoretical studies which are necessary to the subject pursued, in addition to the general instrumental or vocal lessons.

The college endeavors to surround the student with a musical atmosphere which shall be at once a stimulus and a discipline. Through the inspiration afforded by general competition, public performance and the opportunity for systematic ensemble playing and

singing the student has a great advantage over one who does only private work.

In addition to these advantages, the rates of tuition, on account of conservatory methods, are much less than the artist-teacher would necessarily have to charge for private work alone.

The city offers many opportunities for hearing excellent local talent, series of splendid concerts being given annually by the Spokane Philharmonic Society, the Musical Art Society, and the Woman's Club. Eminent professional musicians, in visiting the Pacific Northwest, always include Spokane in their tours, the current seasons having afforded the students an opportunity for hearing the following world-famous artists: Olive Fremstad, Evan Williams, Alma Gluck, Efram Zimbalist, Rudolph Ganz, the Barrere Ensemble of Wind Instruments, Johanna Gadski, Emmy Destinn, The New York Symphony Orchestra, Josef Hoffmann, the Boston Opera Company and Ernest Schelling.

GENERAL INFORMATION

Music Diploma

Each course is designed to equip the student for a career as teacher or soloist, or both, and diplomas are granted accordingly. A high school education, or its equivalent, is necessary for a student working for a music diploma.

Special Certificates and College Credits

Special students (those not wishing to pursue a full course) may register for any study or combination of studies desired, and receive certificates giving them credit for the work done. The music department offers to assist its students in electing collateral subjects to apply on a college diploma. The following subjects are recommended to supplement a music course.

- I Year English.
- II Year History.
- III Year Physics.
- IV Year Elective.

Instruction

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

Scholarship

Two scholarships will be available to music students during the year 1916-17, one to a piano student and one to a voice student. Each scholarship shall include one-half hour lesson per week, and whatever class work is deemed advisable. For details, address the college.

OUTLINE OF THE COURSES OF MUSIC PIANO

(Full Course for Graduation)

*Practical Studies

Intermediate Grade, Two Years

Piano—All forms of technical exercises, scales, arpeggios, double thirds and octaves.

Studies by Czerny, Cramer, Clementi.

Pieces by Mozart, Haydn, Bach, Beethoven, and others.

Sight Playing.

Accompanying.

Recital Class, including concert department.

Advanced Grade, Two Years

Piano—Studies by Clementi, Chopin, Henselt, Liszt.

Pieces by Bach, Chopin, Beethoven, Schumann and modern composers.

Concertos by Mozart, Mendelssohn, Beethoven, Schumann, Rubinstein, and others.

Sight Playing.

Accompanying.

Recital Class.

*NOTE—For piano theoretical requirements see page 65.

ORGAN*

(Full Course for Graduation)

Elementary

*Practical Studies

Study of manual touch, pedal-playing and elementary registration.

Intermediate Grade, Two Years

Organ—Progressive study of registration.

Compositions for church service and concert performances.

Sight Playing.

Accompanying.

Recital Class, including concert department.

Advanced Grade, Two Years

Organ—Advanced course of organ composition from all schools.

Sight Playing.

Accompanying.

Recital Class.

*NOTE—For piano theoretical requirements see page 65.

*The completion of the Elementary grade of piano work is required for admission to the organ department.

VOICE

(Full Course for Graduation)

Practical Studies*Intermediate Grade, Two Years****Voice**—A systematic study of scales, intervals, legato, staccato and bel canto.

Studies by Concone, Vaccai, Viardot, etc.

Songs by the best masters.

Diction—Italian, French and German.**Piano.****Accompanying.****Chorus.****Recital Class**, including concert deportment.**Advanced Grade, Two Years****Voice**—A comprehensive study of Lieder, songs and arias from grand opera, and modern songs.**Piano.****Accompanying.****Chorus.****Recital Class.**

*NOTE—For vocal theoretical requirements see page 65.

VIOLIN

(Full Course for Graduation)

Practical Studies*Elementary**

Method: Sevcik

Violin—Mechanical exercises; Sevcik, O.; Op. I school of violin technics.

Part I.—Exercises in first position.

Part II.—Exercises in second to seventh positions.

Part III.—Shifting.

Part IV.—Exercises in double stops.

Op. 7—Preparatory trill studies.

Pieces—Elementary pieces by Bohm, C.; Sitt, H.; Papini, G.;

Schumann, R.; Scharwenka, X.; Moszkowski, M.; Saint-

Saens, C.; Bordherini, L.; Pierne, G.; Drdla, F.

Duets—Pleyel, I.; Op. B; Six Little Duets.

Intermediate Grade, Two Years***Practical Studies**

Method: Sevcik

Violin—Technical exercises and studies.

Sevcik, O., Op. 9—Preparatory exercises in double stops.

Op. 8—Shifting and preparatory scale studies.

Op. 2—School of bowing technic.

Pieces—Bohm, C.; Haesche, W.; Drdla, F.; Raff, J.; Tschet-
schulin, A.; Schubert, F.; Vieuxtemps, H.; Dvoran, A.;
Goens, D. van.; Rehfeld, F.; Beriot, Ch. de; Corelli, A.;
Wilhemj, A.; Wieniawski, H.

Sonatas—Mozart.

Concertos—Viotti, Op. 23; Rode, Op. 7; Mozart, Op. 121.

Duets—Mazas, Viotti.

Scales, arpeggios, double stops, octaves, tenths, chords, trills,
harmonics, pizzicato, staccato, spiccato, chromatic pas-
sages and orchestra studies.

Sonatas—Mozart, Haydn, Beethoven, Grieg, Sinding, Bach.

Concertos—Mendelssohn, Op. 61; Bruch, Op. 26; Spohr, Op. 2;
Beethoven, Op. 61; Saint-Saens, Op. 28; Sarasate, Op. 20;
Wieniawski, Op. 4.

Duets—Bach, Concerto, Dom., Spohr, Op. 48.

Sight Playing.

Piano.

Accompanying.

Recital Class, including concert department.

*For violin theoretical requirements see page 63.

VIOLONCELLO

(Full Course for Graduation)

Practical Studies

Elementary

Technical exercises.

Major scales in two octaves.

Studies and pieces by Dotzauer and Fitzenhagen.

Intermediate Grade, Two Years

Violoncello—

Technical exercises by Fitzenhagen and Cossmann.

Scales in three and four octaves.

Studies by Dotzauer, Lee Grutzmacher (Part I).

Concertinos and pieces by Romberg, Cossmann, Fitzenhagen,
etc.

Sight Playing.

Ensemble Playing.

Recital Class, including concert department.

Advanced Grade, Two Years

Violincello—

Technical exercises by Fitzenhagen, Klengel, etc.

Studies by Grutzmacher (Part II), Piatti, etc.

Sonatas by J. S. Bach

Concertinos and concert pieces by the best classic and
modern composers.

Sight Playing.

Ensemble Playing.

Recital Class.

Theoretical Studies for All Courses
Intermediate Grade, Two Years

Harmony.
Solfeggio and Dictation.
Lectures in Musical History.
*Languages—French, German, Italian.

Advanced Grade, Two Years

Theory.
Harmonic Analysis. (Not required for voice students.)
Solfeggio and Dictation.
Lectures on Orchestral Instruments.
Normal Course. (Fourth year.)
*Languages—French, German, Italian.
*The study of languages shall include one year of each, the language for the fourth year being elective.

TUITION

Piano, Voice or Violin—

For the semester, \$45.00; two half-hour lessons per week.

For the semester, \$25.00; one half-hour lesson per week.

Less than nine lessons, \$1.50 each half-hour lesson.

Rent of piano for the semester, \$4.00; one hour's practice daily.

Rent of piano for the semester, \$8.00; two hours' practice daily.

Elementary piano from assistant teacher, \$30.00; two half-hour lessons per week.

Less than nine lessons, \$1.00 each half-hour lesson.

Piano or Violin sight playing	\$10.00	Solfeggio and dictation.....	10.00
Harmony	15.00	Languages, each.....	10.00
Theory	15.00	College Electives, each.....	10.00
Harmonic analysis.....	20.00	Class lessons for the semester.	

***Subjects Free to Music Students Taking a Full Course**

Lectures on history of music. }
Lectures on orchestral instruments. } Alternate years.
Recital class and concert department.
Accompanying.
Chorus.
Diction—Italian, French and German (free only to voice students).
Normal course.

LIST OF STUDENTS**Seniors**

Campbell, Ruth.....	Puyallup, Wash.
Hill, Leslie C.....	Spokane, Wash.
Loughlen, Iva B.....	Puyallup, Wash.
Price, Lelia.....	Tacoma, Wash.
Sims, Mrs. Julia.....	Spokane, Wash.
Tanner, Minnie C.....	Spokane, Wash.
Wait, Wallace T.....	Puyallup, Wash.

Juniors

Bacher, Vernon A.....	Seattle, Wash.
Burge, Hazel May.....	Harrington, Wash.
Clark, Virginia Caroline.....	Wrangell, Alaska
Fancher, Albert H.....	Spokane, Wash.
Fancher, Charles H.....	Spokane, Wash.
Gunn, Thomas R.....	Wenatchee, Wash.
Larsen, Elizabeth.....	Bickleton, Wash.
MacClain, Lewis A.....	Spokane, Wash.
Miller, Ella.....	Spokane, Wash.
McGuire, Nina.....	Thornton, Wash.
Peth, Hazel.....	Mount Vernon, Wash.

Sophomores

Chase, Daisy.....	Grandview, Wash.
Crawford, Irene.....	Puyallup, Wash.
Heald, Hazel Vivian.....	Spokane, Wash.
Hill, Edna.....	Spokane, Wash.
Martell, Josephine.....	Spokane, Wash.
Miller, Margaret.....	Spokane, Wash.
Muir, Anna-Mary.....	Spokane, Wash.
Olsen, Harry T.....	Spokane, Wash.
Pierson, Laura Lucille.....	Farmington, Wash.
Podmore, John A.....	Harrington, Wash.
Steele, Robert T.....	Spokane, Wash.
White, Hazel.....	Spokane, Wash.
Young, Earle.....	Spokane, Wash.

Freshmen

Andrews, Hugh P.....	Spokane, Wash.
Baker, Violet.....	Spokane, Wash.
Berkheimer, Reuben H.....	Bremerton, Wash.
Blosser, Lauraine.....	Spokane, Wash.
Brown, Lillian M. E.....	Spokane, Wash.
Carlson, Alfred.....	Spokane, Wash.
Clark, Carl E.....	Cul de Sac, Idaho
Corbally, John E.....	Seattle, Wash.
Dalzell, Donald M.....	Spokane, Wash.
Donason, Dean A.....	Spokane, Wash.
Douglas, Martha B.....	North Yakima, Wash.

FRESHMEN—Continued

Harbaugh, Charles W.....	Sedro Woolley, Wash.
Harper, Helen.....	Spokane, Wash.
Hilscher, E. Durand.....	Spokane, Wash.
Hollister, Miles F.....	Spokane, Wash.
Hope, Romney.....	Creston, Wash.
Hopper, George T.....	Spokane, Wash.
Howell, T. John.....	Coulee City, Wash.
Inkster, Bernadine.....	Spokane, Wash.
Johnson, Bryan.....	Spangle, Wash.
Kelly, R. Lester.....	Kendall, Mont.
Knoll, Ferdinand M.....	Spokane, Wash.
La Fontaine, Merrill G.....	Spokane, Wash.
Madson, C. W.....	Liberty Lake, Wash.
Maegli, Albert E.....	Spokane, Wash.
Moore, Gladys.....	Davenport, Wash.
Myers, Irene.....	Spokane, Wash.
Otis, Clyde L.....	Hillyard, Wash.
Pederson, Russell F.....	Spokane, Wash.
Pierson, Floyd B.....	Farmington, Wash.
Potter, Howard.....	Spokane, Wash.
Roper, Lois.....	Spokane, Wash.
Schumacher, Viola.....	Spokane, Wash.
Sickafoose, Crystal.....	Spokane, Wash.
Sperber, Irene.....	Spokane, Wash.
Towson, Ira G.....	Spokane, Wash.
Weller, G. Carl.....	Spokane, Wash.
Woolery, Faye C.....	Rathdrum, Idaho

Postgraduates

Benner, Ralph E.....	Spokane, Wash.
Rue, Mable.....	Spokane, Wash.

Special College

Dunning, Myrtle.....	Harrington, Wash.
Riblet, Virginia.....	Spokane, Wash.
Schnebly, Edna.....	Ellensburg, Wash.
Scheurman, Elsie.....	Seattle, Wash.

Unclassified

Flint, Alden.....	Sweetwater, Idaho
Garland, Hazel B.....	Spokane, Wash.
Loughlen, Paul E.....	Puyallup, Wash.
McAllister, Dora.....	Spokane, Wash.
McCurry, Imoegan.....	Spokane, Wash.

Summary

Seniors	7
Juniors	11
Sophomores	13
Freshmen	38
Special College	4
Postgraduates	2
	—
Total Classified.....	75
Unclassified	5
	—
Total number of students.....	80

ALUMNI

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President.....	Kenneth Irwin Ghormley, '09
Vice-President.....	Frederic Dan Metzger, '06
Secretary.....	Edith Cavill Ware, '09
Treasurer.....	Henry Longstreth Jr., '10

1896

Frank C. Blackburn, A. B., D. D. S.....	Shelbyville, Ind.
Albert C. Stewart, A. B., M. D.....	Sedro-Woolley, Wash.
Calvin W. Stewart, A. B.....	Tacoma, Wash.
Sarah C. Stewart, A. B.....	4305 N. 42d St., Tacoma, Wash.
Fred W. Whitworth, A. B.....	San Francisco, Cal.
Robert Montgomery, B. S.....	Puyallup, Wash.

1898

Rev. William Davies.....	
Harold G. Gould, B. S.....	Howkan, Alaska
Ward B. Van Vechten, B. S., M. D.....	Tacoma, Wash.

1902

Mary Anna Hickman, A. B. (Mrs. Alvin Miller).....	
.....	4522 Sixth Ave. N. E., Seattle, Wash.

1904

Dorcas Elmira Clark, A. B.....	Everett, Wash.
Ethel Mary Kirkpatrick, A. B. (Mrs. W. W. Glenn).....	Prosser, Wash.
Zilpha Eugenie Phillips, A. B.....	Tacoma, Wash.
Ida Grace Sharp, A. B.....	Centralia, Wash.

1905

Dosu Doseff, B. S., M. D.....	Chicago, Ill.
Ruth Dunbar, A. B.....	Columbia University, N. Y.
Agnes Dora Mulkey, A. B., M. A.....	Seattle, Wash.
Lillian Gurine Stevenson, A. B., M. D.....	New York City

1906

Civilla Stowe Dennis, B. S. (Mrs. Otis Chablot)	Pacific Beach, Wash.
Frederic Dan Metzger, A. B.	Tacoma, Wash.
Anna Sander, B. S.	Ellensburg, Wash.
William Edward Sander, B. S.	Seattle, Wash.
Leila Frances Shaffer, A. B.	Waterville, Wash.

1907

John Willoughby Crandall, A. B., L. L. B.	New York City
Harriet Eveon Fraser, A. B.	Tacoma, Wash.
Sara Anna Ghormley, Ph. B. (Mrs. James Urquhart)	Chehalis, Wash.
Susie Emily Garretson, B. S. (Mrs. R. H. Richards)	Vancouver, B. C.
George Elmore McMaster, B. S.	Tacoma, Wash.
Anna McMaster, A. B. (Mrs. Warren Fusselman)	Seattle, Wash.
William John McCauley, B. S., M. D.	Ellensburg, Wash.
Carl Jay Norton, Ph. B.	Seattle, Wash.
George Rossman, B. S., L. L. B.	Portland, Ore.
Charles Rutherford Rodman, A. B., A. M.	Portland, Ore.
Agnes Streeter, A. B.	Tacoma, Wash.

1908

Andora Cox, A. B.	Tacoma, Wash.
Olga Johnson, A. B.	Dash Point, Wash.
Ralph Ayers, A. B., B. D.	Sialkot, India
Fitch Laurence Phipps, A. B., L. L. B.	Portland, Ore.
Percy Fred Colbert, B. S.	Tacoma, Wash.
Hoyao Oline, B. S.	Tokio, Japan

1909

Mary Cox, A. B.	Tacoma, Wash.
Mary Frances Beaven, Ph. B. (Mrs. W. B. Platt)	Portland, Ore.
Richard C. Doud, B. S.	Tacoma, Wash.
Laetitia Clark, A. B. (Mrs. Frederick Lawrence)	Tacoma, Wash.
Kenneth Irwin Ghormley, A. B.	Spokane, Wash.
David J. Guy, B. S.	Spokane, Wash.
Palmer Kennedy, A. B., L. L. B.	Tacoma, Wash.
Jessie K. LaWall, A. B. (Mrs. F. L. Phipps)	Portland, Ore.
William Lewis Paul, A. B.	Portland, Ore.
Pearla M. Robbins, B. S. Mrs. W. B. Mitchell)	Sumner, Wash.
Gertrude Rolleston, B. S. Mrs. R. Doud)	Tacoma, Wash.
Raphael S. Towne, B. S.	Sisters, Ore.
Joseph Turner, Ph. B., M. D.	New York City
Edith Cavill Ware, Ph. B.	Spokane, Wash.
Margareta E. Willert, A. B. (Mrs. Clare Anderson)	Salt Lake, Utah

1910

Monroe Green Everett, A. B.	Chicago, Ill.
Helma Rachel Hunter, A. B.	Kooskia, Idaho
Frances H. Lackey, A. B. (Mrs. William Paul)	Portland, Ore.
Henry Longstreth Jr., B. S.	Tacoma, Wash.
Madge Stockton Phelps, Ph. B.	Tacoma, Wash.
Grace Holden Redman, Ph. B.	Tacoma, Wash.
Mildred Smith, B. S.	Tacoma, Wash.
Mary Genevieve Wilcox, Ph. B.	Tacoma, Wash.

1911

Seamore A. Crandall, B. S.	Seattle, Wash.
Alma Clair Lesh, A. B. (Mrs. J. W. Moren)	North Yakima, Wash.
Bertha R. McCallum, A. B.	Ashford, Wash.
Carmen B. Mahlum, A. B.	Portland, Ore.
Genevieve Martin, B. S.	Tacoma, Wash.
Lula Una Martin, B. S.	Tacoma, Wash.
Maude Scott, A. B. (Mrs. Ira B. Hartman)	Kiona, Wash.
Mary Smith, A. B.	Marysville, Wash.
Sidney E. Whitworth, B. S.	Vaughn, Wash.

1912

Lillian Annette Allen, B. S.	Tacoma, Wash.
Emilie Arnston, A. B.	Alpha, Wash.
Sarah Regina Crandall, A. B. (Mrs. F. E. Day)	Tacoma, Wash.
Anna Maud Daub, A. B. (Mrs. D. Lee)	Topeka, Kansas
Robert Lincoln Kinkade, A. B.	Ephrata, Wash.
Lillian H. Nicholson, A. B.	Fern Hill, Wash.
Seiro Shibagaki, B. S.	Tacoma, Wash.
Sigurd A. Wold, B. S.	Pullman, Wash.

1913

Viva Claire Baldwin, A. B.	Fish Lake, Idaho
Oscar Harold Billings, A. B.	Seattle, Wash.
David Hjalmar Johnson, B. S.	Tacoma, Wash.
Margaret Longstreth, A. B.	Tacoma, Wash.
Flora M. Matheson, A. B.	Anacortes, Wash.
Shigezo Matsuoka, B. S.	Tokio, Japan
Hazel Iris Spinning, B. S.	Sumner, Wash.
Ruth C. Spinning, B. S.	Sumner, Wash.

1914

Ruth Anna Corey, A. B.	Fife, Wash.
Ralph Ghormley, B. S.	Tacoma, Wash.
Arthur Gunn Jr., B. S.	Wenatchee, Wash.
Bertha Fortmiller Lee, A. B.	Tacoma, Wash.
Malcolm Armour Murdock, A. B.	Long Beach, Wash.
Mary H. Nicholson, A. B.	Fern Hill, Wash.
Laurence Russell Turnbull, B. S.	Toronto, Canada
Frances Gertrude Wakefield, A. B.	Laura, Wash.
Augustus N. Williams, A. B.	Vale, Ore.
Clara Houghton Young, A. B.	Tacoma, Wash.

1915

Burmeister, Henrietta.....	Tacoma, Wash.
Gunn, Mary.....	Wenatchee, Wash.
Hoska, Ella.....	Tacoma, Wash.
Landis, Ore Irene.....	Spokane, Wash.
Lee, Ruth.....	Seattle, Wash.
Schnebly, Edith H.....	Ellensburg, Wash.
Takaku, George.....	Sakuyawa, Japan
Tunnard, Isabel.....	Tacoma, Wash.
Whitsitt, William S.....	Spokane, Wash.

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