

Texas Christian University

CATALOGUE 1911-1912

**With Announcement of Courses
for 1912-1913**

PRESS of THE T. C. U. PRINT SHOP
Fort Worth, Texas
1912

CALENDAR

SESSION 1912-1913

1912

Fall Term Opens.....Tuesday, September 11
 Enrolment and Classification...Tues and Wed., September 10-11
 Convocation Sermon Sunday, September 15
 Thanksgiving Holiday Thursday, November 21
 President's Reception Thursday, November 21
 Fall Term Ends Saturday, December 14

1913

Winter Term Opens Wednesday, January 8
 Washington's Birthday Holiday.....Saturday, February 2
 Winter Term Ends Saturday, March 15
 Spring Term Opens Tuesday, March 18
 Joint Session of Literary Societies.....Saturday, June 1
 Baccalaureate Sermon Sunday, June 2
 Fine Arts Recitals,.....Monday and Tuesday, June 9-10
 Class Day Exercises.....Wednesday, June 12
 Alumni Banquet Wednesday Evening, June 12
 Commencement Exercises Thursday, June 13

FOREWORD

Texas Christian University stands pre-eminently as a representative of that ideal of education which believes in thorough physical, mental, moral, and spiritual culture. Striving for the most broad and scholarly intellectual training, it at the same time inculcates the highest possible moral ideals and, as the only substantial basis for them, a definite and positive religious environment. The atmosphere of the school is in no sense narrowly sectarian, but is vigorously and energetically Christian. Believing the highest type of character to be embodied in the Christ of Galilee, we endeavor by precept and example to hold His life up before our students for realization and embodiment in their own careers. We believe that the supreme need of the present age is for positive Christian manhood and womanhood. Texas Christian University exists for the purpose of meeting, as far as possible, this need.

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BOARD OF TRUSTEES

EXECUTIVE BOARD

Term Expires 1913

- H. M. DURRETT Fort Worth, Texas
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- J. L. CASSELL Fort Worth, Texas
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Officers of Board

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- C. W. GIBSON Vice-President
- E. M. WAITES Secretary

BOARD OF TRUSTEES

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E. B. RANDALL	Fort Worth,	Texas
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J. M. REIGER	Comanche,	Texas
W. D. REYNOLDS	Fort Worth,	Texas
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G. F. STEARNS	Taylor,	Texas
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J. M. VINCENT	Fort Worth,	Texas
E. M. WAITES	Fort Worth,	Texas
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S. M. HAMILTON

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GEORGE W. COLE

BUILDING AND GROUNDS

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S. P. BUSH

AUDITING

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FACULTY

J. J. HART, Chairman

F. G. JONES
J. L. CASSELL

R. L. COUCH
V. Z. JARVIS

FACULTY

FREDERICK D. KERSHNER, M. A.,

President of the University.

(B. A., Kentucky University, 1899; M. A., Princeton University, 1900; Graduate Study in Italy and England, 1903; *ibid.*, Germany, 1911; Staff Lecturer for the American Society for the Extension of University Teaching, 1902-'06; Dean of Kee Mar College, 1902-'05; Dean of the American University, 1906-'08; President of Milligan College, 1908-'11; President of Texas Christian University, 1911—).

WILLIAM B. PARKS, A. M.,

Dean of the University; Professor of Chemistry and Physics.

(B. S., Add-Ran University, 1886; A. M., *ibid.*, 1892; Ph. D., 1894; Student Vanderbilt University, 1884-'85; Graduate Student, *ibid.*, first term, 1886-'87; Harvard University, Summer of 1888; University of Virginia, Summer of 1890; University of Chicago, Autumn and Winter Quarters, 1802-'03; Summer Term, 1808; Professor of Natural Sciences, Add-Ran Christian University, 1887-'99; Professor of Natural Sciences, Randolph College, 1800-'01; Professor Natural Sciences and Mathematics, College at Hereford, 1803-'04; Professor in Texas Christian University, 1804—).

CLINTON LOCKHART, A. M., Ph. D.,

Professor of Greek and Hebrew.

(A. B., Kentucky University, 1886; A. M., *ibid.*, 1888; Graduate in Classical Course, College of the Bible, 1886; Graduate Student Yale Divinity School, 1887-'88; Ph. D., Yale University, 1894; President Columbia College, Kentucky, 1892-'93-'94-'95; President Christian University, Missouri, 1895-1900; Professor of Biblical Literature, Drake University, 1900-'06; President Texas Christian University, 1906-'10; Professor Greek and Hebrew, Texas Christian University, 1911—).

JAMES B. ESKRIDGE, A. M., Ph. D.,*Professor of Latin.*

(A. M., University of Chicago; Ph. D., Cumberland University; Associate Principal East Side Academy, Nashville, Tenn., 1891-'94; President Bedford College, Tenn., 1894-'96; Principal Springfield Collegiate Institute, Tenn., 1896-'97; Professor of Latin and Mathematics in University School, Montgomery, Ala., 1897-'98; Professor of Latin in Texas Christian University, 1898—).

EGBERT R. COCKRELL, A. M., LL. M.,*Professor of History and Political Science.*

(A. B., Texas Christian University; A. M., Drake University; LL. B., Iowa College of Law; LL. M., Iowa College of Law; Graduate Student, University of Chicago, Summer Terms of 1901-'02; Graduate Student of Columbia University for the school year of 1903-'04, and Winter and Spring of 1905; Attorney at Law, Bozeman, Mont., 1898; Professor in Texas Christian University, 1899-1903; Assistant Pastor First Church of Christ, New York City, 1904-'05; Professor in Texas Christian University, 1906—).

ELLSWORTH EUGENE FARIS, A. M.Professor of Philosophy.*

(S. B., Add-Ran University, 1894; A. M., 1907; Graduate Student University of Chicago, 1901-'02, and Spring and Summer Quarters, 1906; Principal of Preparatory Department, Add-Ran University, 1894-'95; Missinoray to Congo Free State, 1895-1904; Assistant Editor Christian Courier, 1904-'06; Professor of Philosophy in Texas Christian University, 1906—).

*On leave of absence.

CHARLES I. ALEXANDER, A. B., B. S.,*Professor of Mathematics.*

(A. B., Add-Ran Christian University, 1901; B. S., University of Texas, 1902; Graduate Student, University of Chicago, 1902-'03; Professor of Mathematics, Jarvis College, 1903-'05; Vice Principal and Professor of Mathematics, Hoitt's School, Menlo Park, Cal., 1905-'06; Graduate Student, Stanford University, 1905-'06; Professor of Mathematics, John Tarleton College, 1906-'08; Professor of Mathematics, Texas Christian University, 1908—).

JOHN W. KINSEY, A. B.,*Professor of Education.*

(A. B., Add-Ran Christian University, 1900; Graduate Business Department, *ibid.*, 1895; Special Student in Education, University of Texas, Summers of 1906 and 1907; Principal of Commercial Department, Stephenville (John Tarlton) College, 1894-'95; Several Years Principal and Superintendent of Public Schools; Professor of Education, Texas Christian University, 1909—).

HARRY TRUMBULL SUTTON, A. B., B. S., B. O.,*Professor of Homiletics and Church History.*

(B. S., Valparaiso University, 1888; A. B., Northwestern Christian College, 1893; B. O., Drake University, 1902; Graduate Student, University of Nebraska, 1896-'97; Professor of Oratory, Cotner University, 1895-'07; Professor of Oratory and English Literature, Southern Oregon State Normal, 1907-'08; Professor of English, Eugene Bible University, 1908-'09; Professional Reader of Biblical Literature, 1909-'10; Professor Homiletics and Assistant in Oratory, Texas Christian University, 1910—).

W. I. BIRGE, A. B., A. M.,*Professor of Biology and Geology.*

(A. B., University of Texas, 1909; A. M., *ibid.*, 1910; Assistant Professor Biology and Geology, Texas Christian University, 1910-'11; Professor of Biology and Geology, *ibid.*, 1911—).

OLIVER L. LYON, A. M., Ph. D.,*Professor of English Language and Literature.*

(B. S., Valparaiso University, 1887; B. O. and B. A., *ibid.*, 1888; Ph. B., DePauw University, 1894; A. M., *ibid.*, 1895; Ph. D., Boston University, 1896; Graduate Illinois State Normal, 1900; Professor of English and History in Steelville Normal School, Mo., 1888-'91; Professor of Natural Sciences in Greencastle High School, Ind., 1891-'95; President of Steelville Normal School and Professor of English and History, 1896; Professor of Sociology and Assistant in English, Illinois Wesleyan University, 1900-'05; Minister First Christian Church, Newman, Ill., 1905-'07; Professor of English Literature, Oklahoma Christian University, 1907-'11; Head of the English Department, Texas Christian University, 1911—).

C. A. EXLEY, A. B.,*Assistant Professor of Philosophy.*

(A. B., University of Nebraska, 1904; Graduate Student, University of Chicago, 1904-'11; Assistant Professor of Philosophy, Texas Christian University, 1911—).

H. F. PAGE, A. M.,*Assistant Professor of English.*

(A. B., Wake Forest College, 1910; A. M., Harvard University, 1911; Assistant Professor of English, Texas Christian University, 1911—).

MARGARETE L. SARGENT,*Professor of Modern Languages.*

(Bierstedtsche Toechterschule, Rostock, Mecklenburg. Graduate Selecta, Magdeburg. French Seminary, Riviera. Saechsisches Lehrer Seminar, Dresden. Principal of German Department in Public Schools, Pomeroy, Ohio, 1887-'93; Professor Modern Languages of Fort Worth University, 1906-1911; Professor of Modern Languages, Texas Christian University, 1912—).

FRANK ARTHUR JOHNSON, (Leipzig and Dresden),*Director of Conservatory of Music; Pianoforte.*

(Pupil of Herrmann Scholtz, Dresden; Pupil of Uso Seifert, Dresden; Pupil of Johannes Weidenbach, Leipsig; Royal Conservatory of Music, Leipsig).

HARALD R. TECHAU, (Leipzig and Dresden),*Pianoforte.*

(Pupil of Hermann Scholtz, Dresden; Pupil of Eugene Krantz, Rudolph Remmel and Herrmann Vetter of the Royal Conservatory of Music in Dresden; Pupil of Adolf Ruthardt, Paul Quasdorf, S. Jadassohn, Robert Teichmueller, and Carl Wendling of the Royal Conservatory of Music in Leipsig).

FRANK C. AGAR, (Warren Conservatory),*Voice Culture.*

LUCY AULT, (Cologne),

Violin and Pianoforte.

(Conservatory of Music, Cologne).

CLYDE BATSELL REEVES, A. B., B. O.,

Principal School of Oratory.

(B. A. and B. O., Grayson College, Texas, 1900; Graduate Student, Emerson College of Oratory, Boston, 1900-'01; Student, Harvard University under Dr. Sargent, 1901; Student under Leland T. Powers, 1902; Student, New England Conservatory, 1903; Student, University of Chicago, Summer 1905 and 1907; Principal School of Oratory, Grayson College, 1901-'07; Principal School of Oratory, Texas Christian University, 1907—).

DURA BROKAW-COCKRELL, A. B.,

Principal of School of Painting and Drawing.

(A. B., Drake University, 1896; Graduate, Drake School of Art, 1896; Principal of School of Art, Texas Christian University, 1899-1903; Graduate Student, Chicago Art Institute, Summer Terms of 1901 and 1902; Graduate Student, International Academy of Design, New York Art School and the Art Students' League, 1903-'05; Principal of School of Art, Texas Christian University, 1900—).

J. A. DACUS, M. Acc'ts.,

Principal of College of Business.

(Student of the University of Arkansas, 1893-'94; Graduate Student Draughon's Business College, Nashville, 1895; Principal of Commercial Department, Martin Institute, Jefferson, Ga., 1895-'96; Principal Shorthand Department, Draughon's Business College, Texarkana, 1896; Proprietor Pottsville Business College, Pottsville, Pa., 1897-'99; Organizer of McKinney Business College, McKinney, Texas, 1900; Proprietor of Dacus' Business College, Dallas, Texas, 1903-'05; Principal of the College of Business, Texas Christian University, 1905-'07; Principal of the College of Business, Texas Christian University, 1910—).

C. H. ROBERTS, A. B.,

Principal of the Academy.

(Student Kansas University; B. S., Kansas Normal College, 1887; A. B., Kansas Normal College, 1889; Principal Public Schools, Dighton, Kan., 1889-1893; Abingden, Ill., 1894-'96; Buena Vista, Colo., 1896-'97; Superintendent of City Schools, Kingfisher, Okla., 1897-1902; Professor of History and Political Science, Central State Normal School, Edmond, Okla., 1902-'08; Principal Logan County High School, Guthrie, Okla., 1908-'10; Principal of Academy of Texas Christian University, 1910—).

MRS. JOHN W. KINSEY,

Instructor in the Academy.—(Mathematics).

JAMES MILLER,

Instructor in the Academy.—(English).

E. R. BENTLEY,

Instructor in the Academy.—(Science).

P. M. FAULKNER,

Instructor in the Academy.

BOYD WILSON,

Instructor in the College of Business.—(Bookkeeping).

CLARA WHITMAN,

Instructor in the College of Business.—(Shorthand).

OTHER OFFICERS OF THE UNIVERSITY

JAMES F. ANDERSON,
Business Manager.

C. I. ALEXANDER,
Secretary of the Faculty.

W. M. WILLIAMS,
Endowment Secretary.

NELL ANDREW,
Librarian.

MRS. L. E. MCKINNEY,
Lady Principal.

MRS. TERRY KING,
Matron.

ELIZABETH HENDERSON,
Superintendent Piano Practice.

Registrar.

C. M. KEITHLEY,
Office Secretary.

GEORGE W. SAAM,
Physical Director.

WILLIS STEWART,
Athletic Coach.

NOTE.—Professors in the College of Medicine are listed under that Department.

STANDING COMMITTEES OF THE FACULTY

CLASSIFICATION AND ADVANCED STANDING

*Dean Parks, Chairman**Professor Exley**Professor Eskridge*

BULLETIN

*Professor Anderson, Chairman**Professor Page**Professor Kinsey*

PUBLICATIONS

*Professor Cockrell, Chairman**Professor Lyon**Professor Exley*

LIBRARY

*Professor Eskridge, Chairman**Miss Birge**Miss Reeves*

AFFILIATED SCHOOLS

*Professor Kinsey, Chairman**Professor Roberts**Professor Alexander*

CHAPEL

*Professor Sutton, Chairman**Professor Dacus**Professor Roberts*

CURRICULUM AND SCHEDULE

*Professor Lockhart, Chairman**Professor Cockrell**Professor Parks*

ATHLETICS

*Professor Alexander, Chairman**Professor Dacus**Professor Sutton*

DEPARTMENTS OF THE UNIVERSITY

- I. Add-Ran College of Arts and Sciences
- II. College of the Bible
- III. College of Fine Arts
- IV. College of Business
- V. College of Medicine
- VI. The Academy

AFFILIATED COLLEGES

- I. Hereford College, Hereford, Texas
- II. Midland College, Midland, Texas

Add-Ran College
of
Arts and Sciences

FACULTY

FREDERICK D. KERSHNER, M. A.,
President of the University.

W. B. PARKS, A. M.,
Dean of the University; Professor of Physics and Chemistry.

CLINTON LOCKHART, Ph. D., LL. D.,
Professor of Greek and Hebrew.

JAMES B. ESKRIDGE, A. M., Ph. D.,
Professor of Latin.

EGBERT R. COCKRELL, A. M., LL. M.,
Professor of History and Political Science.

*ELLSWORTH E. FARIS, A. M.,
Professor of Philosophy.

CHARLES I. ALEXANDER, A. B., B. S.,
Professor of Mathematics.

JOHN W. KINSEY, A. B.,
Professor of Education.

W. I. BIRGE, A. M.,
Professor of Biology and Geology.

O. L. LYON, A. M., Ph. D.,
Professor of English Language and Literature.

H. F. PAGE, A. M.,
Assistant Professor of English.

C. A. EXLEY, A. B.,
Assistant Professor of Philosophy.

MARGARETE L. SARGENT,
Professor of Modern Languages.

*On leave of absence.

ITS RELATION TO THE UNIVERSITY

The College of Arts and Sciences is the central college of the University. From the Academy (and the High Schools) it differs in methods and in grade of work, since it deals with more advanced students; but, like them, it aims at the development of the whole nature of the student, at the enlargement of his capacity, at stimulation of his intellectual and spiritual growth. From all the other colleges and schools of the University it is to be distinguished, inasmuch as they aim at more or less of specialization. To students who have such work in mind, the College of Arts and Sciences offers general training as a foundation for their special work. To students who have no such purpose of specialization it offers general culture and a liberal education.

ENTRANCE REQUIREMENTS

Students holding graduating diplomas from the Academy of Texas Christian University, or from approved Colleges and High Schools, are admitted to the College of Arts and Sciences without examination. Students coming from approved Colleges or High Schools must present statements of their work, made out by the proper authorities on our official blank which may be obtained from our Registrar on request. All other students must give satisfactory evidence that they have completed work equal in amount and value to the course prescribed in the Academy, or pass in the entrance examinations. In all cases, if a student, after being permitted to enter a college class in any department, fails to demonstrate his ability to carry the course with satisfaction to the professor in charge, he may be required to enter the Academy and prepare himself for pursuing the course with advantage.

Students entering for the first time will furnish to the chairman of the Classification Committee evidence of good moral character and of class standing from latest instructors. Those bringing certificates or diplomas from correlated or affiliated schools will be classified without examination; others will be examined. After classification the student will be registered at

the Registrar's office and upon the payment of all fees will be given a matriculation card which serves as evidence of membership in the University. Registration being once complete, a change of same will be permitted only with consent of the Registrar and on the payment of a fee of one dollar for each instance of change. In case changes are necessitated by the University, a fee will be charged.

ORDER OF PROCEDURE

1st. Presentation of credentials to chairman of Classification Committee.

2nd. Classification; (a) By examination; (b) By certificate or diplomas from correlated or affiliated schools. Our books (to be obtained from Registrar) must be filled out and signed by proper authorities.

3rd. Registration and matriculation completed at Registrar's office.

ENTRANCE EXAMINATIONS

Fourteen units are required for admission to Freshman standing. A unit course of study, as here used, means a course that covers a school year of at least thirty-five weeks, with recitations per week of not less than forty-five minutes each.

Examinations may be required on the following branches:

English	3 units
Mathematics	3 units
History and Civics	3 units
Foreign Languages	3 units
Sciences	2 units

The question of accepting substitutes for any branches required must be submitted to the Committee on Classification before date of examinations.

The following descriptive lists will be suggestive of the subjects of entrance examinations:

Mathematics.—1. Beginning Algebra, covering an elementary treatment of the subject; 1 unit.

2. Advanced Algebra, through Logarithms, Progressions and the Binomial Formula; 1 unit.

3. Plane Geometry, including simple original exercises and problems; 1 unit.

History and Civics.—1. Ancient History, such a course as that given in Myers' Ancient History; 1 unit.

2. Modern History, a course equivalent to that in Myers' Mediaeval and Modern History; 1 unit.

3. History of England (or some other leading nation of Europe); 1 unit.

4. Civil Government, including the elements of federal and state government; $\frac{1}{2}$ unit. American History; $\frac{1}{2}$ unit.

English.—1. Grammar, the principles of the language as given in any good text, with ability to write sentences with good grammar and spelling; 1 unit.

2. Rhetoric and Composition, as presented in standard works on the subject, such as Scott and Denny, Lockwood and Emerson, or Markley. An original theme may be assigned to test style, diction, paragraphing and accuracy of expression; 1 unit.

3. English and American Literature. History of the leading authors, their periods and productions, such as given in Simonds, Halleck, or Pattie and Newcomer. See reading required in the Academy of this University; 1 unit.

Latin.—1. Elements of Latin Grammar, simple exercises in prose composition, translation of Latin sentences such as those in Hale's First Year in Latin; 1 unit.

2. Second Year Latin, Caesar's Gallic Wars, with more advanced composition and tests in grammar; 1 unit.

3. Readings in Sallust's Catiline and Caesar's Civil Wars, with tests of grammar and etymology; 1 unit.

Greek.—1. Translation and composition of simple sentences with the elements of Greek grammar. Xenophon's Anabasis, at least twenty pages; 1 unit.

2. Xenophon's Anabasis continued, seventy-five to one hundred and twenty pages, or other Attic prose of equivalent amount. Translations, questions of grammatical forms and constructions; 1 unit.

German.—1. Elementary grammar, including the conjugation of weak and more usual strong verbs; declension of articles, adjectives, pronouns and nouns commonly used; model auxiliaries

and commoner usages of syntax; 1 unit.

2. Reading of two hundred pages of simple prose and able to read at sight easy prose; translation into German of simple English sentences or easy connected prose. Pronunciation and accuracy is desired and ability to understand simple derivations in German; 1 unit.

French.—1 and 2. Work similar to that in German also except that about four hundred pages of reading are required; 1 or 2 units.

Sciences.—*Physiography.*—Half a year's work, covering the leading features of the subject; $\frac{1}{2}$ unit.

Physics.—Work must cover recitation and class-room demonstration, as covered by such a text as Carhart and Chute's High School Physics, or Gage's Elementary Physics. Also, individual laboratory work comprising forty exercises selected from such books as Adam's, or Chute's Manual; 1 unit.

TIME OF EXAMINATIONS

In all branches covered by the Summer School, examinations can be had at the close of the Summer Term. Examinations in all branches will be offered at the University during the first week in May, or on Wednesday of the first week of the Summer Term.

CLASSIFICATION OF COLLEGE STUDENTS

To have full Freshman standing, the student must offer 14 entrance units, $12\frac{1}{2}$ of which are prescribed; such student shall continue to be ranked a Freshman until he shall have completed 50 credits of required College work.

The student who offers all of the prescribed work, excepting foreign language, and an amount sufficient to raise the number of units to 14 may be ranked an irregular Freshman.

A student may be ranked a conditioned Freshman if he offers not less than 10 of the $12\frac{1}{2}$ prescribed units and an additional amount sufficient to raise the number of units to 12; such student shall not be entitled to vote in his class, and arrangements must be made to remove the conditions without delay.

To have Sophomore standing all work of Freshman shall have

been completed; such ranking shall hold until all required work of Freshman and Sophomore classes or ranking shall have been completed and an additional amount sufficient to aggregate 100 credits.

To have Junior standing all work required of Sophomores shall have been completed; this ranking shall hold until 150 credits shall have been completed.

To have Senior standing all work required of Juniors shall have been completed; this ranking shall hold until graduation.

A student may be advanced from one class to another of the foregoing classes at the end of any term.

Undergraduate students whose work does not fall under one of the foregoing groups are ranked as unclassified students.

To have graduate standing all work required for the bachelor's degree shall have been completed.

REQUIREMENTS FOR GRADUATION

In prescribing the requirements for graduation, the Faculty accepts the idea of an elective system, but imposes certain modifications in order that the interests of the students and of the institution alike may be safeguarded.

The requirements for graduation may be presented best in sections:

FIRST.—Each student is required to take the following courses:
Mathematics—Courses 1, 2 and 5.

Chemistry—Course 1.

English—Courses 8, 9, 10, 15 and 16.

History—One year.

Foreign Languages—Either Ancient or Modern; one year of continuous work (not the first year in any case).

Philosophy—Courses 1, 3 and 4.

English Bible—Either Old or New Testament History complete.

Biology—One year.

From the courses of the College of the Bible, Christian Evidences, or some satisfactory equivalent.

SECOND.—Each student is required to elect by the end of his Sophomore year a "major department." Then, in consultation

with the head of the major department, he shall elect a "department." The heads of these two departments shall form an advisory committee for the student during the remaining years of his course.

In his major department the student shall take each term at least one study, but not more than two. His total of credits in this department shall equal at least forty-eight, at most, fifty.

In his minor department the student shall take a minimum of one branch per term during at least three out of four years of college work. (The three years need not be continuous). His total credits in this department shall equal at least thirty, at most forty-five.

THIRD.—Each student is required to make before graduation a total of two hundred credits.

(By the term credit is meant one hour of recitation or one hour of laboratory work per week for one term).

FOURTH.—Additional credits may be imposed upon candidates for graduation as a penalty for improper conduct. No student may be graduated who is guilty of any gross offense, or who fails to make a satisfactory adjustment of his financial affairs with the institution.

FIFTH.—The degree of Master of Arts will not be conferred upon any candidate whose grade in his work for the Master's degree falls below an average of B in any subject.

GRADUATE WORK

Texas Christian University has at present no organized department for graduate work. Provision is made, however, for such students as, after receiving the A. B. degree, wish to take an additional year of literary work. On a student's completion of a year (forty-five credits) of resident work the University will confer on him the degree of Master of Arts. It is stipulated, however, that such work must be made up of Junior and Senior College Courses, and that whatever supplementary work may be imposed in any case, in order that the course may be entitled to graduate credit, must also be satisfactorily completed. Also, an approved thesis will be required before the candidate is accepted for graduation; this thesis must be handed in before May 1st.

ELECTIVES FROM THE COLLEGE OF THE BIBLE

Candidates for the degree of A. B. are permitted to elect as many as forty-five credits from the studies offered in the College of the Bible, to be selected from the following: Hebrew, New Testament Greek, Later Jewish History, Church History, Old Testament History, New Testament History, Essentials of Christianity, Old Testament Introduction, New Testament Introduction, Messianic Prophecy, Textual Criticism of the New Testament, Philosophy of Religion, Law of Moses, Monuments and the Bible, and Literature of the Old Testament. In case Hebrew is elected as part of the "foreign language" study in the course leading to A. B. it will be deemed a regular branch in the College of Arts.

Candidates for the degree of A. M. are permitted to elect as many as twenty credits from any studies in the foregoing list, except the first year in Hebrew; but no studies used in the course for Bachelor of Arts may be recounted for Master of Arts.

COURSES OF INSTRUCTION

DEPARTMENT OF GREEK

PROFESSOR LOCKHART

1. *Elementary Greek (twelve credits)*. Year, 4 hours.
The accomplished student of the Greek language will have (1) a working vocabulary of the language; (2) knowledge of its grammatical principles; (3) an ability to use this vocabulary and apply these principles, whether for a literary or an exegetical purpose. To make as large a beginning as possible toward these ends, in the simplest and briefest form consistent with thoroughness, and yet to secure a complete introduction to Attic Greek, is the object of this course.
2. *Composition and Reading (four credits)*. Fall, 4 hours.
Further selections from the Anabasis, with sight translations daily; prose composition, with a review of the most important principles of Syntax.
3. *Reading Course (four credits)*. Winter, 4 hours.
Goodwin and White's Selections from Xenophon and Herodotus, consideration of dialects, word study and Syntax.
4. *Composition and Style (four credits)*. Spring, 4 hours.
Plato. The Apology and Crito, with word study, style and form, analysis and discussion.
5. *Homer's Iliad or Odyssey (four credits)*. Fall, 4 hours.
Three books are translated. Special attention is given to scansion, mythology, and the manner of life in the Homeric age.
6. *Greek Oratory (four credits)*. Winter, 4 hours.
(Introduction to Greek Oratory). Jebb's Selections from Attic Orators.
7. *Greek Oratory (four credits)*. Spring, 4 hours.
Demosthenes. On the Crown. Word study, style analysis and discussion.

8. *Greek Tragedy (three credits)*. Fall, 3 hours.
Sophocles, Aeschylus, Euripides, study of the Greek theater, presentation of the drama and of prosody.
9. *Aristotle (three credits)*. Winter, 3 hours.
Constitution of Athens and Nichomachian Ethics.
10. *Later Greek (three credits)*. Spring, 3 hours.
Passages from Plutarch and Lucian.

DEPARTMENT OF LATIN

PROFESSOR ESKRIDGE

1. *Reading Course (four credits)*. Fall, 4 hours.
Ovid. Selections from Ovid. His influence on modern literature, with an introduction to classical mythology. Or Virgil's Aeneid, Books I-V. Rapid review of forms, together with prose composition and prosody.
2. *Reading Course (four credits)*. Winter, 4 hours.
Cicero. Orations Against Catiline, Sallust's Catiline, or Jugurtha. Tacitus Annales, or Germania et Agricola. Livy, Book I. Introduction to the Syntax of the Latin verb, by lectures and recitations.
3. *Reading Course (four credits)*. Spring, 4 hours.
Cicero. De Senectute, or De Amicitia. The relation of these works to other writings of Cicero will be noticed. Or Cicero's Letters, Abbott's Selections, or Martial and Pliny; Selected Epigrams and Letters. Private life among the Romans. Further study of the Latin verb, together with a critical study of the growth and development of the Subjunctive mood.
4. *Reading Course (four credits)*. Fall, 4 hours.
Horace. Odes and Epodes. Or Catullus. Latin versification; memorizing of selections.
5. *Roman Satire (four credits)*. Winter, 4 hours.
Horace, Books I-II, or Juvenal; Selected Satires of Persius will be read by the instructor as occasion may demand. Attention will be given to the origin and development of Satire. Syntax by lecture and recitation.

6. *Roman Comedies (four credits)*. Spring, 4 hours.
 Captives and Trinummus of Plautus, followed by some play from Terence. A comparative study of these authors from both the morphological and the literary sides. Manners and customs among the Romans, by lectures and recitations. The versification of Plautus and Terence.
7. *Rhetorical Treatises (four credits)*. Fall, 4 hours.
 Horace, *Ars Poetica*; Cicero, *De Oratore*, or *Brutus*, or Quintilian, Book X, or Tacitus, *Dialogus de Oratoribus*. Elementary principles of literary criticism; the debt of these writers to Greek sources.
8. *Roman Philosophy (four credits)*. Winter, 4 hours.
 Lucretius, *De Rerum Natura*; or Cicero *De Natura Deorum*, or *De Finibus and Tusculanæ*, or Seneca, selections. The place of Roman Philosophy in the history of Philosophy.
9. *Allen's Fragments of Early Latin (four credits)*. Spring, 4 hours.
 Merry's Fragments of Roman Poetry. Egbert's Latin Inscriptions.

An additional year's course for work leading to the degree of Master of Arts will be arranged to meet the student's requirements.

DEPARTMENT OF MODERN LANGUAGES

PROFESSOR SARGENT

GERMAN

1. *Elementary German (twelve credits)*.
 Fall, Winter and Spring, 4 hours.
 Essentials of German by Vos, *Glueck Auf* by Mueller and Wenckebach; Bacon's *Im Vaterland*.
2. *Second Year German (twelve credits)*.
 Fall, Winter and Spring, 4 hours.
 Continuation of German Grammar; Collar's *Shorter Eysenbach*; Storm's *Immensee*; Schiller's *Wilhelm Tell*, and

about one hundred pages of supplementary reading.

3. *Third Year German (nine credits).*

Fall, Winter and Spring, 3 hours.

Bernhard's *Deutsche Litteraturgeschichte*; Analytical Study of Schiller's *Lied von der Glocke*, Lessing's *Minna von Barnhelm*, Goethe's *Hermann und Dorothea*.

FRENCH

1. *Elementary French (twelve credits).*

Fall, Winter and Spring, 4 hours.

Chardenal's *Complete French Course*; Brooks, Snow and Lebon's *Easy French*; *Anecdotes Faciles*; Carter's *French Word-Lists*; *Voyage de M. Perrichon*.

2. *Second Year French (twelve credits).*

Fall, Winter and Spring, 4 hours.

Continuation of *French Grammar*; Halevy's *L'Abbe Constantin*; Feuillet's *Le Roman d'un Jeune Homme Parvue*.

3. *Third Year French (nine credits).*

Fall, Winter and Spring, 3 hours.

French Syntax and Composition by Vreeland and Koren; Blouet's *Class Book of French Composition*; Souvestre, *Un Philosophe Sous Les Toits*, and other gems of French literature.

SPANISH

1. *Elementary Spanish (fifteen credits).*

Fall, Winter and Spring, 5 hours.

Grammar, pronunciation, written exercises, oral drill. Traub's *Spanish Verb*; Worman's *First Spanish Book*; Worman's *Second Spanish Book*; *Lengua Castellana*, by Marion, and Des Garennes. *Lecciones DeLenguape Español Ingles*. *Cuentos Castellanos*, by Carter and Malloy. Calderon's *La Vida es Sueño*. Alarcon's *El Capitan Veneno*. Witten and oral exercises.

2. *Advanced Spanish (twelve credits).*

Fall, Winter and Spring, 4 hours.

The following courses in the Spanish novel of the nine-

teenth century will be offered: Galdos' *Marianela*, *Perfecta*; Alarcon, *El Sombrero de Tres Picos*; Valde Capitan, Ribot, José. Collateral reading; Valera, *El endador Mendoza*, *Pepita Jiminez*. Spanish Composition Ramsey's *Spanish Grammar*. *History of Spanish literature*.

3. *Modern Spanish Drama (nine credits)*.

Fall, Winter and Spring, 3 hours

Study and interpretation of the masterpieces of the modern Spanish drama. Works of Lopez de Ayala, Echegaray, Tamayo y Baus, Nunez de Arcés, Moratin, etc.

DEPARTMENT OF ENGLISH

PROFESSOR LYON

ASSISTANT PROFESSOR PAGE

1. *Anglo-Saxon (three credits)*. Fall, 3 hours

Grammar and simple exercises in modernization. Professor Page.

2. *Anglo-Saxon II (three credits)*. Winter, 3 hours

Selected readings both in prose and in verse. Professor Page.

3. *Middle English (three credits)*. Spring, 3 hours

Selected readings, prose and verse. Relation of Middle English and Anglo-Saxon considered; dialectical peculiarities discussed. Pre-requisite, Anglo-Saxon. Professor Page.

4. *Chaucer (three credits)*. Fall, 3 hours

Selections from his chief poems, especially the *Canterbury Tales*. Discussion of the art, life and times of the poet. Professor Lyon.

5, 6, 7. *Advanced Etymology (six credits)*. Year, 2 hours

This is invaluable to the English student who desires to enlarge his vocabulary, and to see the origin and development of his mother tongue. Professor Lyon.

8, 9, 10. *Rhetoric (nine credits)*. Year, 3 hours

Since the ability to say just the right thing in the proper way is the most practical result of education, the

composition will receive more emphasis than the science of Rhetoric. The laws of Rhetoric after being thoroughly mastered will be applied weekly to standard prose and poetic selections. Themes at least weekly, and sometimes daily. Special attention given to Narration, Description, Exposition, Argumentation, Style, Diction, and Figures of Speech. Prerequisite, High School English three years. Required. Professor Page.

11, 12. *American Literature (six credits).*

Fall and Winter, 3 hours.

This course is devoted to a careful study of the works of the leading American poets and prose writers. The universal principles of Literature are applied in the study of poems. The relation of American to English and the world's literature is brought out. Carefully prepared notebooks required in all courses in literature. Professor Lyon.

13. *Literary Criticism (three credits).*

Spring, 3 hours.

This is a study in the constructive principles of criticism. These universal standards are to literature what the categories are to philosophy. The aim is: (1) to see clearly why writings take rank and are considered as real literature; (2) to cultivate a taste for genuine literature. Critical application of these principles to American and English Literature. Professor Lyon.

14. *The Short Story (three credits).*

Fall, 3 hours.

The technique of short story writing. Themes required regularly. Assigned readings in the masters of the short story. Professor Page.

15, 16. *English Literature (six credits).*

Winter and Spring, 3 hours.

A survey of English Literature with a study of representative selections from the epic, the lyric, the drama, the essay, and the novel. Theses on topics connected with the literature read, giving the student opportunity to apply the fundamental principles of composition to essay writing. Required. Professor Page.

17, 18. *Tennyson and Browning (six credits).*

Winter and Spring, 3 h

Critical study of the poems of each author to reflect ideals, characteristics, and philosophy of life. The relation of the authors to the life and literature of the Victorian Period. A careful study of Browning's peculiar philosophy. Professor Lyon.

19, 20, 21. *Shakespeare (nine credits).*

Year, 3 h

Critical study of a number of the leading plays. An intensive study of the remainder of his plays, along with careful working out of Moulton's Moral System of Shakespeare. Some attention will be given to the origin and development of the drama. Critical papers. Professor Lyon.

22. *Poetics (three credits).*

Fall, 3 h

A critical study of lyric poetry from the standpoint of occasion, theme and mood. The origin and development of English verse forms chronologically considered. Regular exercises in analysis and criticism. Professor Page.

23, 24. *Modern English Drama (six credits).*

Winter and Spring, 3 h

The closet drama of Tennyson, Browning, and Swinburne. The principal plays of Ibsen, Jones, Pinero, Shaw and writers of the Irish School. Professor Page.

25, 26. *Seminar (six credits).*

Fall and Winter, 3 h

This is a course in research work. Such literary papers are studied as the origin and development of the novel, drama, the epic, the essay, the elegy, romanticism. The student may pursue research work in any advanced phase of literary study. Papers read before the class for discussion. Open to advanced students only. Professor Lyon.

27. *English Poets of the Nineteenth Century (three credits)*

Spring, 3 h

Page's Anthology is used. Critical analysis of the poetry. Collateral reading and written reports required. Professor Lyon.

28. *Milton and His Age (three credits).*

Fall, 3 h

The greater poems of Milton will be read, with

lections from other authors of the period as throw light upon the struggle between Puritan and Cavalier. Professor Page.

29. *The English Novel (six credits).*

Winter and Spring, 3 hours.

Lectures on the development of the novel accompanied by a study of the representative novelists. Professor Page.

DEPARTMENT OF HISTORY, SOCIAL AND
POLITICAL SCIENCE

PROFESSOR COCKRELL

HISTORY

1. (a) *History of England (six credits).*

Fall and Winter, 3 hours.

(b) *Government of England (three credits)*

Spring, 3 hours.

2. *History of Greece (three credits).*

Fall, 3 hours.

3. *History of Rome (six credits).*

Winter and Spring, 3 hours.

4. *History of the Middle Ages (three credits).*

Fall, 3 hours.

5. *History of Modern Europe (six credits).*

Winter and Spring, 3 hours.

6. *History of the United States (nine credits).*

Fall, Winter and Spring, 3 hours.

ECONOMICS

7. *Economics (six credits).*

Fall and Winter, 3 hours.

SOCIOLOGY

8. *Sociology (three credits).*

Spring, 3 hours.

PUBLIC LAW

9. *American Government (three credits).*

Fall, 3 hours.

10. *Political Science and Comparative Constitutional Law (six credits).*

Winter and Spring, 3 hours.

11. *International Law (three credits).*

Fall, 3 hours.

12. *American Diplomacy (three credits).*

Winter, 3 hours.

ADVANCED ECONOMIC AND SOCIAL STUDIES

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| 13. <i>The Trust Problem (two credits).</i> | Fall, 2 hr. |
| 14. <i>Labor Problems (two credits).</i> | Winter, 2 hr. |
| 15. <i>City Problems (two credits).</i> | Spring, 2 hr. |

DEPARTMENT OF PHILOSOPHY

PROFESSOR EXLEY

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| 1. <i>Elementary Psychology (four credits).</i> | Fall, 4 hr. |
| An introduction to the structural and functional aspects of human behavior. | |
| 3. <i>Elementary Logic (four credits).</i> | Winter, 4 hr. |
| An introduction to the formal and functional aspects of reasoning. | |
| 4. <i>Elementary Ethics (four credits).</i> | Spring, 4 hr. |
| An introduction to the history, theory and practice of moral conduct. | |
| 5. <i>History of Philosophy (four credits).</i> | Fall, 4 hr. |
| An introduction to the philosophical problems from primitive times to the middle ages. | |
| 6. <i>History of Philosophy (four credits).</i> | Winter, 4 hr. |
| An introduction to the philosophical problems from the middle ages to the enlightenment. | |
| 7. <i>History of Philosophy (four credits).</i> | Spring, 4 hr. |
| An introduction to the philosophical problems from the enlightenment to the twentieth century. | |
| 8. <i>Social Psychology (four credits).</i> | Fall, 4 hr. |
| A critical study of the nature and development of social and psychic processes of the group. | |
| 9. <i>Advanced Psychology (four credits).</i> | Winter, 4 hr. |
| A critical consideration of the methods and problems of social psychology. | |
| 10. <i>Advanced Psychology (four credits).</i> | Spring, 4 hr. |
| A continuation of Course 9. | |
| 11. <i>Problems of Philosophy (four credits).</i> | Fall, 4 hr. |
| A critical and systematic consideration of the persistent problems of philosophy. | |

12. *Philosophy of Religion (four credits)*. Winter, 4 hours.
A philosophical interpretation of the beliefs, concepts and dogmas which are distinctive of the religious attitude.
13. *Philosophy of Religion (four credits)*. Spring, 4 hours.
A continuation of Course 12.
14. *Plato (four credits)*.
Source study, lectures and a thesis. Not given in 1912.
15. *Descartes, Locke and Hume (four credits)*.
Source study, lectures and a thesis. Not given in 1913.
16. *Kant (four credits)*.
Source study, lectures and a thesis. Not given in 1913.

DEPARTMENT OF MATHEMATICS

PROFESSOR ALEXANDER

1. *Solid Geometry (five credits)*. Fall, 5 hours.
Preparation for this class includes a thorough knowledge of Algebra at least through quadratic equations, and a mastery of Plane Geometry. The methods of Plane Geometry are continued; original work is emphasized, very few, if any, of the exercises of the text being omitted. Analogies between Solid and Plane Geometry are noticed. Required of all students.
2. *Plane Trigonometry (five credits)*. Winter, 5 hours.
This course consists of a study of the trigonometric functions and anti-functions, together with a large number of formulas dealing with their relations; the solution of the right and oblique triangle, and construction of logarithmic tables. Practical problems of considerable number and variety are solved. Required of all students.
3. *Surveying (five credits)*. Spring, 5 hours.
All ordinary problems of the practical surveyor, including land surveying, triangulation, topographic and profile leveling, city surveying, etc., are given careful study. A liberal amount of field practice with a good surveyor's transit is required.

4. *Spherical Trigonometry (two credits).* Fall, 2 hr.
Right and oblique spherical triangles are solved. Practical application is made to the celestial sphere, a considerable number of astronomical problems being worked out.
5. *College Algebra (four credits).* Spring, 4 hr.
A course intended for those desiring a more extensive knowledge of Algebra than is usually obtainable in the school, covering such subjects as permutations and combinations, theory of equations, determinants, complex numbers, partial and continued fractions. Required of advanced students.
6. *Plane and Solid Co-ordinate Geometry (twelve credits).* Fall, Winter and Spring, 4 hr.
The work in this course consists of a thorough discussion of the relation of the equation to the locus; translating geometric conditions into algebraic terms. Conic sections and other curves are studied by means of both Cartesian and polar co-ordinates. Prerequisites, Courses 1, 2 and 4.
7. *Descriptive Geometry (four credits).* Fall and Winter, 2 hr.
Orthographic projection. Intersection of planes and solids, intersection of solids, and development of surfaces. This course is designed to meet the needs of those desiring to do technical work along Mathematical lines. Prerequisites, Courses 1 and 6. Offered in alternate years.
8. *Astronomy (three credits).* Winter, 3 hr.
This course is largely descriptive, intended primarily as a culture course. A few practical problems, elementary in character, requiring a knowledge of Courses 2 and 4, are solved.
9. *History of Mathematics (three credits).* Spring, 3 hr.
To appreciate any subject, something of its history should be known. This course attempts, in a brief way, to show the development of the science of Mathematics through the centuries down to the present time, showing that Mathematics is the most highly developed and exact of all the sciences. It is not the stale, dead thing that it is commonly

posed to be, but is a living, growing science, vitally connected with the progress and development of these modern times. Offered in alternate years.

10. (a) *Differential Calculus* (eight credits).

Fall and Winter, 4 hours.

No subject in the college curriculum gives one a greater appreciation of the logical beauty and vigor and the practical utility of a mathematical course than does the calculus. In this course a large number of formulas for differentiation are developed and these applied to the solution of a great variety of problems.

(b) *Integral Calculus* (four credits). Spring, 4 hours.

A continuation of Course 10 (a). The integral is studied from the twofold standpoint of anti-differentiation and the process of summation. After developing standard forms of integration, attention is given to problem-solving, a large number, which are encountered in the studies of physics and mechanics, being chosen.

11. *Theoretical Mechanics* (nine credits).

Fall, Winter and Spring, 3 hours.

This course, aside from its own practical value, is intended to reinforce the knowledge obtained from the courses in Calculus. It may be taken by Seniors or candidates for the degree of Master of Arts, who have had Course 10 (a) and 10 (b). Offered alternate years.

DEPARTMENT OF CHEMISTRY AND PHYSICS

DEAN PARKS

1. *General Inorganic Chemistry* (twelve credits). When taken in Junior or Senior years, nine credits. Fall, 3 hours recitation and 4 hours of laboratory work.

(a) A study of the non-metals by text-book, lectures and laboratory work.

(b) A study of the metals. Recitation, lectures and laboratory work. Texts as above. Winter, 3 hours of recita-

tion and 4 hours of laboratory work.

(c) A course supplementary to (a) and (b). See above. Spring, 3 hours of recitation and 4 hours of laboratory work.

The aim of Course 1 will be to give a definite idea of the basic principles of Chemistry, and not only to lay the foundation of a broader and deeper knowledge of the subject but also to supply that which is needed by all who wish to secure a liberal education.

2. *Qualitative Analysis (six credits).*

Fall, 1 hour of recitation and 6 hours of laboratory work.

(a) Lectures and recitations accompanying the laboratory. The work begins with the study of the classification of re-agents, is followed by the separation of the simpler bases into groups and ends with the separation of acids. Prerequisite, Course 1.

(b) *Advanced Qualitative Analysis.* Winter, 9 hours of laboratory work.

Mainly laboratory work in systematic analysis with occasional lectures and recitations.

3. *Advanced Inorganic Chemistry (four credits).*

Fall, 4 hours of recitation

This course consists of a more advanced study of inorganic chemistry. Such subjects as the periodic law, dissociation theory and other modern views will receive emphasis.

4. *Quantitative Analysis (nine credits).* Fall, 1 hour of recitation and 6 hours laboratory work.

(a) Chiefly laboratory work in gravimetric and volumetric analysis. Prerequisite, Course 1.

(b) *Advanced Quantitative Analysis.*

Winter, 9 hours of laboratory work

A continuation of Course 4, dealing more particularly with gravimetric analysis.

(c) *Advanced Quantitative Analysis.*

Spring, 9 hours of laboratory work

A continuation of Course 4, dealing with special volumetric methods.

5. *Organic Chemistry (three credits).*

Spring, 3 hours of recitation.

A consideration of the principles of Organic Chemistry, dealing with the more important hydrocarbon compounds. Prerequisite, Course 1.

6. *Physical Chemistry (two credits).*

Fall, 2 hours of recitation.

This course deals with such topics as the atomic theory, the periodic law, methods of molecular determination, and electrolytic dissociation. Prerequisites, Physics 1 and Chemistry 4.

7. *History of Chemistry (two credits).* Spring, 2 hours.

A course tracing the rise and development of modern Chemistry. Prerequisite, Course 1.

8. *Special Methods in Quantitative Analysis (three or six credits).*

Fall, Winter or Spring, 9 or 18 hours laboratory work.

Each student in Chemistry is required to make a deposit of \$5.00 to cover breakage. At the end of the year this deposit, less the amount of breakage, will be refunded.

Laboratory fee in each of the foregoing courses, except Course 7, is \$5.00 per term.

II.—PHYSICS

1. *General Physics (twelve credits).* Fall, 4 hours.

(a) A course in which are presented largely from the experimental standpoint the most important principles involved in the study of mechanics and heat. The instruction is given by means of text-books and lectures, fully illustrated by class-room experiments, and supplemented by recitations and written examinations. Open to those who have had Elementary Physics and Trigonometry.

(b)

Winter, 4 hours.

A continuation of the above course treating of magnetism and electricity.

(c)

Spring, 4 hours.

A continuation of the above course dealing with sound and light.

2. *Laboratory Physics (four credits).*

Winter and Spring, 4 hours of laboratory work.

Experiments in different branches of the subject, selected from leading manuals. The student is required to keep a permanent record of all work done. Prerequisite, Course 1. Two hours in the laboratory are equivalent to one of recitation.

3. *The Dynamo (three credits).*

Winter, 3 hours.

History, theory and design of dynamos and motors. Prerequisite, Course 2.

4. *Spectroscopy (two credits).*

Spring, 6 hours laboratory work.

A study of the theory and practice of spectrum analysis with a comparison of various spectra. Laboratory reference book, Stewart and Gee.

A laboratory fee of \$3.00 is charged for each of the foregoing courses per term.

DEPARTMENT OF BIOLOGY AND GEOLOGY

PROFESSOR BIRGE

A.—BOTANY

1. *Elementary Botany (twelve credits).*

The object of this course is to give the student a general knowledge of the various groups of the Plant Kingdom. It is intended primarily for beginners and for those who wish to get a comprehensive view of the subject. The work involves a knowledge of the cells, tissues, tissue systems, and the relationship of the different groups of plants, and the important physiological processes of plants.

Fall Term: Algae and Fungi.

Winter Term: Liverworts, Mosses and Ferns.

Spring Term: Gymnosperms and Angiosperms.

Two lectures and four hours laboratory each week. Field trips,

2. *General Morphology, Histology, and Cytology of Vascular Plants (twelve credits)*. Two lectures and four laboratory hours per week. Fall, Winter, Spring, 4 hours.
3. *Classification and Distribution of Flowering Plants*, with special reference to the Flora of Texas and the Southwest. (*Nine credits*). Lectures two hours (at the pleasure of the instructor) and laboratory four hours per week. Fall, Winter, Spring, 3 hours.
4. *Bacteriology (four credits)*. Spring, 2 hours. Laboratory, 2-4 hours.

A general introduction to the subject with emphasis on general rather than special work.

B.—ZOOLOGY

1. *General Zoology (twelve credits)*. Fall, Winter and Spring, 4 hours.

In this course particular emphasis is placed on Invertebrate Zoology. In addition to the anatomy of the adult forms of animal life, such general subjects as the geographic distribution of animals, practical economic relations, heredity, variation, selection, and the classification of animals will be considered.

2. *Histology and Embryology (twelve credits)*. Fall, Winter, Spring. Lectures two hours, laboratory four hours per week.

C.—GEOLOGY

The work offered in Geology extends through the session of three terms, three hours per week in recitation and two hours per week in laboratory, library or field. The lantern will be used freely in the lecture room. A careful study of the first chapter of Genesis will be required in connection with the regular class work. Especial attention will be given to the study of the development of the North American continent.

1. (a) *General Geology (twelve credits)*. Fall, Winter, Spring, 3 hours. Laboratory, 2 hours.

Lectures, recitations and field work, covering the work offered by preparatory texts.

(b) *Dynamic and Structural Geology* (twelve credits)

Fall, Winter, Spring, 3 hours. Laboratory, 2

Especial study given to atmosphere, aqueous, igneous and organic agencies; stratification, metamorphism, denudation, and mountain structure.

(c) *Historical Geology* (three credits). Spring, 3 hours

Covering the Archean, Paleozoic, Mesozoic, Cenozoic, and Phychozoic eras. Especial attention given to comparative life forms in fossil remains leading to a discussion of the evolution of life on the globe. In this connection a study of certain sacred literature is offered.

2. *Anthropology* (four credits). Spring, 4 hours

This course is offered to Seniors who have had Geology 1, and Zoology 1.

DEPARTMENT OF EDUCATION

PROFESSOR KINSEY

TEACHERS' CERTIFICATES

Since Texas Christian University is ranked as one of the institutions of the first class in Texas, we wish to call the attention of teachers and others who wish to prepare themselves for teaching to the opportunity offered by the present certificate law.

All persons completing four full courses in the College of Arts and Sciences and one full course in education and pedagogy are thereby entitled to a first grade State Certificate, valid for a period of four years. Persons completing the courses leading to the A. B. degree or any equivalent bachelor's degree, or some higher academic degree, including in these courses four courses in education and pedagogy are entitled to the permanent State Certificate.

The permanent State Certificate may also be received by a person who has taught in Texas for a period of at least a

years and has received an academic degree from Texas Christian University.

FREE EMPLOYMENT BUREAU

In connection with the Department of Education is conducted a free employment bureau for the benefit of the students of Texas Christian University, and during the past few years we have not been able to supply the demand for teachers.

1. *Primary Methods (three credits).* Fall, 3 hours.

To meet the growing demand for efficient primary teachers this course is offered. In this course special attention will be given to the teaching of the various primary branches, most especially those of reading, writing, spelling, nature and number work. These subjects will be presented from the standpoint of the individual child, as well as from that of the class as a unit, and constant study will be made of Child Psychology in presenting these subjects. It is expected that considerable practice teaching and observational work will be done by those taking this course.

2. *The History of Education (nine credits).*

Fall, Winter and Spring, 3 hours.

This course will include a careful study of the various phases of ancient, medieval, and modern history of education, giving special attention to particular types and movements. It will also include a comparative study of the educational system of England, France, Germany, and America. Considerable time during the first term will be devoted to Greek and Roman education. A good text-book will be used, theses and much collateral reading required.

3. *Philosophy of Education (six credits).*

Fall and Winter, 3 hours.

This course will deal with some of the more important psychological and philosophic principles upon which our educational systems rest. Text-books will be used, lectures given, and theses required.

4. *Psychology of Education (Elementary) (six credits).*

Fall and Winter, 3

5. *School and Class Management (three credits)*

Fall, 3

It will be the purpose of this course to give special attention to basic principles and to the common problems with which every teacher should be familiar. In developing this study, many problems of every-day happenings will be treated, as well as the whole subject, from a logical and scientific standpoint. A constant study of the common school laws, especially those of Texas, will be made by students taking this course. Collateral readings will be assigned and thesis required.

6. *Seminar (six credits).* Fall, Winter and Spring, 2

In this course will be considered many of the current educational problems of the day, special study given to current literature by each member of the class, and investigation of educational situations of the various countries made.

7. *Psychology of Education (Advanced Course) (six credits)*

Winter and Spring, 3

This course is intended to make application of psychological principles that bear directly upon the important phases of the teaching processes. A text-book will be used, lectures given, collateral readings and thesis required.

8. *Methods of Teaching (three credits).* Winter, 3

The purpose of this course is to make a careful study of the methods and processes of teaching and to make application of these to some of the common branches.

9. *Educational Sociology (three credits).* Spring, 3

10. *Child Study (four credits).* Spring, 4

A study of the development of the child, the influence of environment, and many phases of the adolescent period. Lectures and collateral readings will be based, to some extent, on such works as "Warner's Study of Child Development," Kirkpatrick's "Fundamentals of Child Study," Oppenheimer's

"Development of Children," and Hall's "Aspects of Child Life and Education."

11. *Secondary Education (three credits)*. Spring, 3 hours.

The history of secondary school organization, courses of study, time allotted to the various departments of the schools of America, as well as of other leading countries, will be considered. Lectures given, collateral reading and theses required.

12. *School Supervision*.

An advanced course in school supervision will be offered during any term that the demand may justify, hours and credits to be arranged according to time devoted to and character of work done in this subject, the usual time, however, being three hours per week.

The College
of
The Bible

FACULTY

FREDERICK D. KERSHNER, M. A.,

President of the University.

Professor of the English Bible.

CLINTON LOCKHART, Ph. D., LL. D.,

Professor of Hebrew and Exegesis.

O. L. LYON, A. M., Ph. D.,

Professor of Biblical Literature.

HENRY TRUMBULL SUTTON, A. B., B. O.,

Professor of Homiletics and Church History.

C. A. EXLEY, A. B.,

Professor of Ethics and the Philosophy of Religion.

EDWARD OWERS,

Professor of Bible School Pedagogy.

INTRODUCTORY STATEMENT

The College of the Bible is designed to furnish instruction in the Sacred Scriptures and such allied subjects of study which will best equip the student for the active work of the ministry.

The minister of the Gospel should be the one man in the community most thoroughly equipped for leadership, and entirely conversant with the needs and demands of his own time. The Christian ministry has lost its influence frequently because it has failed to enlist the sympathy of those who are most interested in the world's work, as it is being carried on today. It is not enough that the minister should know Church History and the philosophy of the Middle Ages; but he must also be conversant with the history of the twentieth century, and the problems of thought and life which are perplexing men now on the scene of action. The up-to-date minister is the only successful minister.

Two considerations, therefore, enter into the construction of a ministerial curriculum. The first is that the Bible should be taught comprehensively, thoroughly, and with absolute faith in its message as the only saving power for the world. A College which does not exalt the Bible is worse than a non-believer. The student who wants to preach must, first of all, know what to preach. He must have a firm conviction that he has a positive message; otherwise men will not heed him. There is no field in the world which offers such splendid opportunities for service as the Christian ministry, but it is only a calling for the man who does not know what he believes and why he believes it.

The second consideration is that the minister must not only know the Bible, but he must know men. He must know how to believe in his message, and he must also know those to whom his message applies. This demands that the minister should be in touch with the currents of present day thought and the interests of men of today. The smell of the cloister must not be about the preacher; but he must, on the contrary, be a man among men. When the minister knows his message and has an abounding faith in it, and when he also knows sympathetically those to whom his message must come, his work cannot but be a successful one.

The Bible College of the Texas Christian University endeavors to supply as fully as possible the two fundamental requirements indicated above. Our courses are so arranged as to give a comprehensive and complete analysis of the Bible, and the student is also taught how to apply the Bible to the needs of today. The College offers two courses of study.

(1) A classical Course, requiring the degree of Bachelor of Arts from a creditable college of liberal arts, and leading to the degree of Bachelor of Divinity in the College of the Bible; and (2), an English course, requiring a prescribed attainment in academic studies, and leading to a diploma indicative of creditable English work in the College of the Bible. The former will signify a high rank in ministerial education, and is designed to prepare the messenger of faith for the most successful services in the church; and the latter will afford an honorable preparation for preaching the word, for teaching in Bible schools and missions, for the organization and direction of co-operative work of all kinds in the church; hence, for the manifold ministries of preachers, preachers' wives and other helpers, missionaries, Bible school and Endeavor workers, ministers' clerks and amanuenses, leaders of every form of religious music, and many other classes of men and women that desire to be useful in the Christian life. It is hoped that thus the work of the College may be thorough, yet broad and adaptable to the ever varying needs of the future church.

TERMS OF ADMISSION

To be admitted to the Classical Course, a student must have at least a Sophomore standing in the College of Liberal Arts, and must have completed the History of Israel (15 credits), Life of Christ (8), Apostolic History (4), Hermeneutics (4), English Exegesis (8), in the College of the Bible.

(By the term "credit" is meant one hour of recitation per week for one term).

To be admitted to the English Course, a student must have Freshman standing in the College of Arts and Sciences, less foreign languages and Geometry, or, otherwise, pursue delin-

quent branches in the Academy during the first year in college. With consent of the faculty, a student may select studies for which he is prepared without regard to standing.

No applicant will be admitted if known to be without Christian character, or to have a dishonorable record in college.

GRADUATION

A candidate for the degree of Bachelor of Divinity must, in addition to entrance requirements, complete a course of 90 credits in this College, of which 39 shall be elective and 51 in the following branches: Homiletics (9), New Testament (24), Hebrew (24), and Church History (9). Of credits in branches taught in this College and counted for the degree of Bachelor of Arts, no more than 36 may be recounted toward the degree of Bachelor of Divinity. Of credits from this College counted for Master of Arts, 20 may be recounted for the degree of Divinity. In no case may more than 36 credits be recounted from the College of Arts.

A candidate for graduation in the English Course must complete in this College the sum of 90 credits, of which 51 shall be elective and 39 in the following branches: History of English Literature (15), Life of Christ (8), Hermeneutics (4), Apostolic History (4), English Exegesis (8); and in the College of Arts, Psychology and Evidence of Christianity.

COURSES OF INSTRUCTION

DEPARTMENT OF THE ENGLISH BIBLE

PRESIDENT KERSHNER

1. *Old Testament History (eight credits).*

Fall and Winter, 4 hours.

A careful study of the historical material from Genesis to II. Chronicles, with collateral studies in the history of Egypt, Babylonia, Assyria and Palestine. Lectures and text of the Bible, American Standard Edition.

2. *Later History of the Jews (four credits).*

Spring, 4 hours.

A collation of historical facts in Jewish history, beginning with the Babylonian Exile, and extending to the Fall of Jerusalem under Titus. Lectures and assigned reading.

3. *New Testament History (twelve credits).*

Fall, Winter and Spring, 4 hours.

The four Gospels studied in chronological order with lectures and assigned topics. A careful exegesis of select portions of the text in English, with emphasis on the peculiar life and teaching of Jesus.

4. *Apostolic History (twelve credits).*

Fall, Winter and Spring, 4 hours.

Historical and exegetical study of Acts of Apostles, with further history of the church to the end of the first century, gathered from the Epistles and extra-Biblical sources. Lectures and assigned reading.

DEPARTMENT OF BIBLICAL INTERPRETATION

PROFESSOR LOCKHART

PROFESSOR LYON

The following branches of work are offered to students who have completed the English Bible, a knowledge of the Hebrew and Greek languages not being required.

1. *Hermeneutics (four credits).*

Fall, 4

The fundamental principles of interpretation, with special reference to the inductive method, will be presented in a text-book. Numerous passages of Scripture thoroughly illustrating the various rules of interpretation will be presented in class-room discussions. Text-book: "Principles of Interpretation."

2. *Exegesis, Earlier Epistles of Paul (eight credits).*

Winter and Spring, 8

Selected Epistles from the earlier writing of the Apostle Paul will be presented in lectures, with numerous questions to be investigated by reference to the library. Introduction to the Epistles, including the related history of the Apostolic work with the churches to which the Epistles are addressed, the date of writing, and the conditions of the church at the time. Also a careful exegesis of the text, using the American Revised Version, as a basis of study, with occasional statements concerning the Greek text on points of doubtful interpretation.

3. *Exegesis, Later Epistles of Paul (eight credits).*

Winter and Spring, 8

Work similar to the exegesis of earlier epistles, covering the more important epistles that belong to the later period of the Apostle's ministry.

4. *Messianic Prophecy (nine credits).*

Fall, Winter and Spring, 9

A general survey of the work of Old Testament prophets and its bearing upon their Messianic announcements. An exegetical study of all the leading passages of the Old Testament that are usually regarded as Messianic. Each prophecy is considered in the light of the time and the conditions

under which it arose and its place in the progress of Messianic development. The relation of the prophetic messages to the development of Christianity is carefully considered.

5. *Literature of the Old Testament (twelve credits).*

Fall, Winter and Spring, 4 hours.

A study of the literary character of all parts of the Old Testament, together with a more minute study of the Psalms and the Book of Job. Given on demand. Professor Lyon.

DEPARTMENT OF HEBREW

PROFESSOR LOCKHART

1. *Beginning of Hebrew and Aramaic (twelve credits).*

Fall, Winter and Spring, 4 hours.

A thorough mastery of the first eight chapters of Genesis by the inductive method, using Harper's text-books. Reading from later chapters of Genesis and I. Samuel. A thorough study of the grammatical elements of the Hebrew language, and a familiarity with the vocabulary of the most frequently used words in the Old Testament. A course is given in the Aramaic of parts of Ezra and David.

2. *Hebrew Readings and Syntax (twelve credits).*

Fall, Winter and Spring, 4 hours.

Extensive readings in the historic and poetic books of the Old Testament, with a thorough study of Harper's Hebrew Syntax. This will include one term of careful exegetical study of the Hebrew text.

3. *Hebrew Readings in the Prophets (nine credits).*

Fall, Winter and Spring, 3 hours.

Exegetical work on the Hebrew text in Isaiah, Hosea, and Nahum, with attention to the historical conditions under which early prophecy was written, and to the textual criticism of the passages selected.

4. *Law of Moses (six credits).*

Fall and Winter, 3 hours.

Lectures on the origin, nature, codification, and meaning

of the Law, with reasons for its peculiarities and objections on its value. A comparison of the Laws of Hammurabi.

5. *Monuments and the Bible (three credits)*. Spring, 3 hours.
A study of the Assyrian, Babylonian, Egyptian and Ptolemaean monuments as recently discovered and translated with their bearings on the contents of the Bible.

DEPARTMENT OF BIBLICAL GREEK

PROFESSOR LOCKHART

1. *New Testament Greek (twelve credits)*.

Fall, Winter and Spring, 4 hours

A course preliminary to Greek Exegesis, including investigation of peculiarities of LXX. and New Testament grammar and syntax, with readings from the Septuagint and various parts of the Greek New Testament. Weights and Hort's Greek Testament, Conybeare and Stock's edition from LXX. and Burton's Moods and Tenses, with reference to Buttman and Winer. This course must be preceded by two years of work in Classical Greek.

2. *Greek Exegesis (twelve credits)*.

Fall, Winter and Spring, 4 hours

Rapid translation and interpretation of Paul's Epistles followed by a special study in the Book of Romans, including analysis, word study, translation, study of moods, phrase and statement of the thought and argument. This course must be preceded by the course above named.

3. *Hellenistic Greek (nine credits)*.

Fall, Winter and Spring, 3 hours

Readings from the Septuagint, Apocrypha, Philo, the writings of the Twelve, and other sources which belong to the transitory Hellenic age of Greek literature, including comparisons between the Septuagint and the Greek New Testament. Given on demand.

4. *New Testament Introduction (three credits).*

Fall, 3 hours.

A brief course including a history of the text and canon of the Greek New Testament so far as it relates to the integrity and genuineness of the books, together with special introduction to the Letters of Paul.

5. *Textual Criticism and Selected Readings (nine credits).*

Fall, Winter and Spring, 3 hours.

Methods of presentation of Gospel truth; history of Greek manuscripts, uncial and cursive.

Difficult passages selected from all parts of the Greek New Testament, involving Greek Exegesis.

Quotations from the Old Testament, involving the use of the Hebrew Bible, LXX., Latin Version, and the Greek New Testament.

DEPARTMENT OF CHRISTIAN DOCTRINE

PRESIDENT KERSHNER

PROFESSOR EXLEY

1. *Essentials of Christianity (nine credits).*

Fall, Winter and Spring, 3 hours.

A careful study of the fundamental features of the message of Christ. The Gospel as interpreted in terms of present day needs. The organization and characteristics of the New Testament Church. Lectures with Kershner's "Religion of Christ" as a guide book. Assigned collateral reading and theme work. President Kershner.

2. *Evidences of Christianity (six credits).*

Fall, Winter and Spring, 2 hours.

An examination of the claims of atheism, pantheism, and agnosticism, together with the basis of theistic belief. The claims of Christ as the Messiah of Israel and the Son of God tested by scientific principles involved in the history of his work and of the church.

3. *Philosophy of Religion (eight credits).*

Winter and Spring, 4

A philosophical interpretation of the beliefs, concepts and dogmas which are distinctive of the religious faith. Professor Exley.

DEPARTMENT OF CHURCH HISTORY

PROFESSOR SUTTON

1. *Early Church History (three credits).*

Fall, 3

Winter, 3

History of the development of Christianity from the Apostolic days to the supremacy of the Papacy and the rise of the Monastic orders.

2. *The Period of the Reformation (three credits).*

Church history from the days of Huss to those of the Counter Reformation. Careful study of the distinctive features of the work of Luther, Calvin, Arminius and others.

3. *Modern Church History (three credits).*

Spring, 3

The rise of Jansenism, the Wesleyan movement, and other history during the nineteenth century.

4. *History and Plea of the Disciples (four credits).*

Spring, 4

A course of lectures reviewing briefly the establishment and character of the leading Protestant Churches, their background and condition of the rise and progress of the Disciples. A careful statement of their principles and pleas, together with their fitness to the present and future course of lectures with special investigation in the life

DEPARTMENT OF HOMILETICS

PROFESSOR SUTTON

1. *Homiletics (nine credits).*

Fall, Winter and Spring, 3 hours.

A course on the preparation of sermons, including the theory of sermonic composition and criticism of sermons prepared by the student. Text-book and class drills.

2. *Church Ministries (four credits).*

Fall and Winter, 2 hours.

A course of lectures with assigned readings in the library, covering the ministries of the preacher outside of the pulpit, the conducting of various organizations and services in connection with the local church.

3. *Christian Missions (three credits).*

Fall, Winter and Spring, 1 hour.

A course of study embracing the history of missions, their success and demands. The University library will have a collection of books on missions, and these will be freely used.

DEPARTMENT OF BIBLE SCHOOL PEDAGOGY

PROFESSOR OWERS

1. *Bible School History (three credits).*

Fall, Winter and Spring, 1 hour.

This course will take up the practical bearing of the Bible School on national, commercial, social and spiritual life.

2. *Bible School Management (three credits).*

Fall, Winter and Spring, 1 hour.

This course includes the general organization of the school, department officers and teacher-training, finances, etc. Text-books will be used; special lectures and demonstrations will be given.

3. *Missions (three credits)*. Fall, Winter and Spring, 1 hr

The application of the modern missionary movement to the vitalizing of the Bible School. Text-books will be used as a reading course, and special lectures given.

PREACHING AND OTHER EMPLOYMENT

Experience has abundantly proved that any training for ministry that does not include actual touch with the people through the pulpit during the collegiate course must be seriously defective. The College, however, mindful of its own reputation and desirous of the greatest good to the churches, and seeking the best interests of the students, discourages regular employment by men who are incompetent to do creditable sermons, and the faculty reserves the right to withhold any student from any religious service for which he is believed to be unprepared. Churches in and around Fort Worth are numerous, and there is probably no greater opportunity for preaching by competent students anywhere than near to this University. Ministerial students that have a fair degree of instruction often prove to be most successful preachers, and by their evangelistic zeal and zealism under the advice of their teachers are able to strengthen churches and convert many to the faith.

Since Monday is not a day of recitation in the University, students have time to return from places of preaching without losing work in the class-room. Those who can give evidence of ministry acceptable to the churches will do well to write the President in advance of coming, and an effort will be made to put them in communication with congregations desiring preachers. It is confidently believed that no successful preacher will fail of employment.

Students who desire to pay part or all of their expenses for manual labor either in the college or in the city will be aided by the President concerning opportunities for employment. Many young men and women, who would be otherwise unable to enjoy the privilege of collegiate education, are able in this way to advance side by side with their wealthier companions.

ACCOMMODATIONS

The buildings of the University are large and commodious, and afford pleasant rooms for students and teachers near to the College boarding hall where meals may be obtained. The Girls' Home furnishes good rooms for ladies who may attend the College of the Bible.

Goode Hall has been built for young men preparing for the ministry. It is a building in which lodging is provided at a nominal price and board at cost, subject to the approval of the Trustees. Under this arrangement expenses are very light.

The tuition fee of students of the College of the Bible for the year is \$25.00, and the matriculation fee for the year is \$12.50. Both fees are payable in advance, and no fee will be refunded. An industrious man can earn part of his expense; and thus, whatever his financial status may be, the advantages of the College are placed within his reach.

ENDOWMENT

Through the liberality of Mr. L. C. Brite of Marfa, Texas, the Bible College now has one chair, that of the English Bible, completely endowed. There ought to be a number of other chairs provided for in the same way. Owing to the low fees and meagre receipts characteristic of all work of the kind, the Bible College makes an especial appeal for endowment. There should also be a number of named scholarships for the benefit of worthy young men of limited means who may desire to prepare themselves for the ministry of the Gospel.

The College
of
Fine Arts

FACULTY

FREDERICK D. KERSHNER, M. A.

President of the University.

F. ARTHUR JOHNSON,

Director of Conservatory of Music; Pianoforte and Harmony.

HAROLD R. TECHAU,

Pianoforte.

FRANK C. AGAR,

Voice Culture,

LUCY AULT,

Violin and Pianoforte.

CLYDE BATSELL REEVES, A. B., B. O.,

Principal of School of Oratory.

DORA BROKAW COCKRELL,

Principal of School of Painting.

ORGANIZATION

The College of Fine Arts is composed of the Conservatory of Music, the School of Oratory and the School of Painting and Drawing. It is esteemed no less important to provide an art atmosphere and to impart a culture in the arts than to give instruction in literature and science. The aim should be a broad and earnest education rather than a mere commercial one. This College is not a private institution run for financial gain but a philanthropic effort to inspire and direct genius to its noblest endeavor, and so to make a genuine contribution to the betterment of mankind. With such a purpose, the University endeavors to provide the best possible equipment and the most competent teachers available at the least possible cost to the student.

BUILDINGS AND EQUIPMENT

The new buildings of the University provide ample and convenient rooms for every department of the College. Liberal new equipment is now purchased. Every piano comes from the factory of Wm. Knabe & Co., to the studios. The latest models have been supplied for the drawing tables, and special rooms facilitate practice in public speaking. Every reasonable encouragement to successful training in these branches is afforded.

CONSERVATORY OF MUSIC

The Music Faculty is strictly one of European schooling. Every member has enjoyed the best of opportunities for music study in the leading conservatories and with the foremost piano teachers in Germany.

EQUIPMENT

The University has purchased direct from the factory twenty-five Knabe upright pianos for practice purposes and one grand piano for recital and concert purposes. The piano

rooms are sound-proof, well ventilated, steam heated and well lighted. The practice pianos are kept in good tune. There are also several violin practice rooms in the Music Hall. A practice monitor keeps a record of the student's attendance and work.

PIANOFORTE

PROFESSOR JOHNSON, PROFESSOR TECHAU, AND MISS AULT

First Grade.—Gurlitt, Op. 83; Koehler, Op. 50; Doernig, Op. 76; Duvernoy, Op. 716; Burgmueller, Op. 100.

Second Grade.—Brauer, Op. 15; Dussek, Op. 20; Clementi, Op. 36, 37, 38; Sartorio, Op. 214; Loeschorn, Op. 65; Diabelli, Op. 151, 168; Lemoine, Op. 37; Reinecke, Op. 77.

Third Grade.—Duvernoy, Op. 120; Doering, Op. 8; Kuhlau, Op. 20, 55, 59; Berens, Op. 61; Doering, Op. 38; Czerny, Op. 821; Bertini, Op. 29, 32; Reinecke, Op. 47; Koehler, Op. 60.

Fourth Grade.—Krause, Op. 2; Haydn and Clementi Sonatas; Czerny, Op. 299; Greig, Op. 19, 28, 43; Herrmann Scholtz, Op. 2, 3, 7; Berens, Op. 88; Heller, Op. 45, 46, 47; U. Seifert, Op. 48.

Fifth Grade.—Hasert, Op. 50; Loeschorn, Op. 66; Doering, Op. 24; Clementi, Haydn, Mozart and Beethoven Sonatas; Modern Compositions by Greig, Tschaikowsky and Moskowski.

Sixth Grade.—Loeschorn, Op. 67; Czerny, Op. 337; H. Scholtz, Op. 31, 65; MacDowell, Op. 51; Compositions by Sinding, Rheinberger, Schumann and Chopin.

Seventh Grade.—MacDowell, Op. 39; Bach Two-part Inventions; Cramer Studies; Kleinmichel, Op. 57; Compositions by Mendelssohn, Three-part Inventions; Clementi, Gradus ad Parnassum; More Difficult Compositions of MacDowell, Chopin, Schumann and Beethoven.

Eighth Grade.—Czerny, Op. 740; Cramer Studies continued; Bach Three-part Inventions; Clementi, Gradus ad Parnassum; More Difficult Compositions of MacDowell, Chopin, Schumann and Beethoven.

Post-Graduate.—Chopin Studies; Moscheles, Op. 70; Bach, Well-Tempered Clavichord; Concertos by Mozart, Beethoven, Mendelssohn, Greig, Schumann and Tschaikowsky.

REQUIREMENTS FOR GRADUATION

In this department the requirements for graduation follows:

Eight grades, as stated in the Catalogue, must be completed also the full course in Harmony.

A recital played from memory must be given by each graduate. The program must consist of at least nine compositions three of which must be of the same grade of difficulty as of the following list. These three compositions may or may not be chosen from this list. This will be decided by the instructor according to the needs of the pupil: Any Bach Prelude, Fugue from the well-tempered clavichord; and Beethoven Sonata.

The more difficult Haydn, Mozart, Clementi, Hummel and other classic sonatas.

Schumann, Op. 12, Op. 18, Op. 21; WWeber, Op. 68, Op. 70, Op. 75, Perpetuum mobile; Chopin, Ballade, Op. 47, Nocturnes, Preludes, Impromptus, Berceuse, Op. 57.

Mendelssohn, Op. 14, Op. 16; Grieg, Op. 35, Op. 65, Op. 68, In the Whirl of the Dance, Op. *posth*; Herrmann Scholz, Op. 65, Op. 71.

All music graduates will be required to qualify for admission in the Freshman class in English, General History and Elementary Physics.

A course of study is offered to those desiring to qualify for the B. Mus. degree.

A Certificate of Proficiency will be granted to music graduates who have complied with all requirements for graduation including the eighth grade and the graduating recital. Such graduates however, must have played at least twice in student recitals.

MUSIC CREDITS FOR PIANOFORTE

Realizing the value of music study to general education the faculty of the University has decided to allow fifteen credits toward the A. B. degree for work completed in this department as per schedule below. Such credits are, however, available only to graduates of the University.

to graduates of the Conservatory of Music:

First Grade	1 credit
Second Grade	1 credit
Third Grade	1 credit
Fourth Grade	1 credit
Fifth Grade	2 credits
Sixth Grade	2 credits
Seventh Grade	2 credits
Eighth Grade	2 credits
Full course in Harmony	2 credits

THEORY OF MUSIC

PROFESSOR JOHNSON

Harmony (Jadassoh's Method).—This course includes the following subjects: Intervals; Triads and their inversion; Chords of the Seventh and their Inversions; Altered Chords; Suspensions; Organ Point; Passing and Changing Notes; Modulations and Cantus Firmus. All music students who desire to graduate are required to complete this course.

Counterpoint.—This course requires knowledge of Harmony.

VOICE CULTURE

PROFESSOR AGAR

Grade I.—Voice production according to the principles of Italian masters, embracing the fundamental knowledge of proper breathing, correct formation of the vowels; control of breath; and an understanding of tone resonance which is most essential for equalizing the Voice. Physiology of the Voice, Elementary exercises according to the ability of the pupil; Panofka, Book I, Easy Songs.

Grade II.—Scales and various technical exercises for the cultivation of flexibility, Concone, Panofka, Book II, Sieber, English Songs and Ballads.

Grade III.—Former work continued with more attention to pure tonal quality. Marchesi, advanced studies in connection with a higher grade of songs.

Grade IV.—Nava, Vaccai and Viardot Studies; Songs by English and German Composers, with particular care taken to enter the vowel and consonant articulation, phrasing, etc.

Grade V.—Lamperti Studies and more difficult voices continued; collection Luetgen, Mendelssohn Songs.

Grade VI.—Lamperti Daily Studies, Scales, Arpeggiato, Portamento, Legato, Lablache, Trill Studies, Song Arias, French Composers.

Grade VII.—Studies by Aprile, Bordogni, S. Marchesini, Lamperti Bravura, Pietro del Winter, Italian pronunciation, Songs with special attention given to the control of the breath. Solfeggi fugati, Porpora, 1686-1767.

Grade VIII.—A general review of all former work with accurate attention given to correct pronunciation, intonation, etc.

Graduates in Voice must have completed eight grades as stated in the Catalogue and have a general knowledge of English and Modern Music; four grades in Pianoforte; the full course in Harmony and proficiency in Sight Singing.

The graduate must be able to sing Arias from Operas and Oratorios from memory and songs by composers of modern times as Schubert, Schumann, Franz, Grieg, Massenet and Tchaikowsky.

All music graduates will be required to qualify for entrance in the Freshman class in English, General History and Elementary Physics.

The Post-Graduate Course is a continuation of former work of a higher standard enlarging the repertoire.

The Conservatory of Music has its various clubs open free to the music students: The Glee Club, a mixed quartet, a male quartet and a girls' quartet.

A class in Sight Singing will be organized and held twice a week.

Music credits toward the A. B. degree for Voice:

First Grade	1 credit
Second Grade	1 credit
Third Grade	1 credit
Fourth Grade	1 credit
Fifth Grade	2 credits
Sixth Grade	2 credits
Seventh Grade	2 credits
Eighth Grade	2 credits
Full course in Harmony	2 credits
Four Grades in Piano	2 credits
Sight Singing	1 credit

VIOLIN

MISS AULT

First Grade.—Half-toné system, Op. 2, Book I; Bow-Technic, Books I-II, by O. Sevcik, First Position.

Second Grade.—Scales and Studies in all Major and Minor Keys, Op. 39, Books I, II and III, by J. Dont; Exercises by Kayser, Book I, by H. Ries; Violin Duets, Op. 8, by Pleyel.

Third Grade.—Schradiack's Exercises; Position Studies, by H. Sitt; Studies in combining the Lower Positions, Op. 38-a and 38-b, by J. Dont; Solos by C. Bohm, G. Papini, etc., with piano accompaniment.

Fourth Grade.—Sitt Scales and Arpeggios; Schradiack's Exercises continued; Preparatory Studies to Kreutzer and Rode, by J. Dont, Op. 37; Violin Duets, Op. 38, by Mazas; Solos of medium difficulty by Modern Composers.

Fifth Grade.—Sitt Scales continued; Studies by Kreutzer, not including Double Stopping; Concerto by Accoly; Mittell Classics.

Sixth Grade.—Double Stopping Etudes by Kreutzer; Studies by Fiorillo; Sevcik Violin Technique, Op. 1, Part I; Exercises in Double Stoppings by Sevcik; Solos in line with De Beriot's *Aairs Varies* and *Scene de Ballet*.

Seventh Grade.—Studies by Rovelli; Concertos by Rode, No. 4 and No. 7; Viotti, No. 23; Sonatas by Haydn and Mozart; Sevcik, Op. 1, Part II.

Eighth Grade.—Caprices by Rode; Concertos by De Bériot; Sonatas by Beethoven; Morceau de Salon.

Ninth Grade (Post-Graduate).—Studies by Gayinle (Vingtquatre Matinees); Concertos by Bach, Mozart and Delssohn; Solos by Wieniawski; Sevcik, Op. 1, Part II.

Tenth Grade.—Etudes and Caprices by J. Dont; Op. 35; Caprices by Paganini; Studies d'Artiste by Mazas; Solo Sonata by Bach; Concertos by Beethoven, Vieuxtemps and Bruch; by Ernst and Sarasate.

REQUIREMENTS FOR GRADUATION

Eight grades, as stated in the Catalogue, must be completed. The full course in Harmony and two grades in Piano. A minimum of eight grades must be given by each graduate.

In this department the requirements for graduation are as follows:

The program must consist of a Concerto in line with Beriot's; a classical Sonata, Beethoven, Mozart, or Haendel; a number of shorter compositions by modern and classical composers.

Students will be required to qualify for entrance in the first man class in the following subjects: General History, Elementary Physics and English.

Music credits toward the A. B. degree for Violin:

First Grade	1 credit
Second Grade	1 credit
Third Grade	1 credit
Fourth Grade	1 credit
Fifth Grade	2 credits
Sixth Grade	2 credits
Seventh Grade	2 credits
Eighth Grade	2 credits
Full course in Harmony	2 credits
Two Grades in Piano	1 credit

NOTE.—An Orchestra will be organized,

NORMAL COURSE IN PIANOFORTE

A Normal Course will be offered for all prospective teachers. This course will be under the immediate supervision of the Director. The students receiving instruction will be selected from a class of beginners in pianoforte. The prospective teacher will be instructed in the manner and method of teaching by the Director. At the discretion of the Director, the lessons for the beginner will be given by the prospective teacher. A number of competent students taking advanced work in pianoforte with the assistance of the Director will carry forward this work for the school year.

The fee for patrons in this course will be:

Fall Term \$12.00

Winter Term 9.00

Spring Term 9.00

(Payable in advance).

No fee is charged prospective teachers for the Normal Course, providing they are paying tuition fees in pianoforte.

MISCELLANEOUS INFORMATION

HARMONY

No music student is well equipped without a thorough knowledge of Harmony. Courses are offered for class lessons or private lessons.

FACULTY CONCERTS

The Music Faculty will give occasional concerts during the school year. These concerts will be free to the music students. Hearing good concerts is a decided aid to the serious music student from an educational standpoint.

STUDENT RECITALS

Student recitals will be given. These are particularly beneficial in cultivating confidence for public playing or singing as all students will give their part of the program from memory.

Not only the advanced students but those in the easier will be given the opportunity to take part in recital programs.

MATRICULATION

Music students should matriculate on the first day of each term.

TUITION

Tuition is payable strictly in advance and the music student must present a matriculation card from the Registrar's office to the director before lesson hours can be assigned.

GRADUATION

In all but very exceptional cases, students already admitted when entering the Conservatory of Music will be required to spend two full years before they can graduate.

PRIVATE LESSONS

Private lessons of two half hours per week are given to students in Pianoforte, Voice Culture, Violin and Pipe Organ.

DIPLOMAS

A diploma is granted to music students completing a course.

BEGINNERS

Beginners are always welcome, and for such there will be no entrance requirements. Preparatory students will receive special attention and parents will find it greatly to their advantage to enroll their children in the Conservatory of Music.

ABSENCE FROM LESSONS

If students are absent from their lessons the lessons will be made up. If lessons are lost on account of the absence of the instructor the lessons will be made up.

CONSERVATORY ADVANTAGES

The Conservatory of Music offers exceptional advantages to the student who desires to study music as a profession and affords every facility to those who study music as a part of a liberal education.

TIME OF ENTRANCE

Music students may enter any of the departments at any time, but it is advisable to enter at the beginning of the school year.

STUDENT RECITALS

Pupils are required to take part in recitals when requested to do so by their instructor.

NATIONAL HOLIDAYS

The Conservatory of Music will observe all National holidays, and no refund will be granted for lessons missed on these days. Also, no refund for lessons missed during the regular examinations which occur on the last three days of each term.

LIBRARIES AND SOCIETIES

The city and college libraries and also the literary societies of the University are open to all music students.

PUBLIC PLAYING

Music students are required to have the consent of their instructor and the Director if they wish to take part in public concerts not given in connection with the Conservatory of Music.

SCHOOL OF ORATORY

CLYDE BATSSELL REEVES, PRINCIPAL

GENERAL OUTLINE

The instruction of the department will include the art of Public Speaking, the study of the basic principles which underlie the Philosophy of Expression, Physical Culture, Dramatic Training, Elocution and the writing and delivery of Formal Orations.

The aim of the work at all times, is to make natural readers and speakers and to discourage artificiality and imitation. Principles of thought and expression are established and applied by the student to selection of oratorical worth. The system teaches that there can be no right speaking without right thinking, and that the way to secure right thinking is to enlarge the powers of observation, memory and reason.

Stress is laid on originality in the interpretation of thought and emotion, expression determined by the thought rather than the form of sentence, rational gestures prompted by impulse and vocal culture that carries on voice-building and mind-training simultaneously.

In perfecting the young orator special attention is given to the cultivation of physical as well as vocal expression, to aid him in acquiring a cultured voice and a responsive body. The language by which man's inner life is read, is that of the body, the natural avenues of expression, voice and gesture, the two powers by which man reveals the entirety of his being." Such exercises are given as will strengthen and free the voice from all imperfections, and enable it to respond to the higher impulses of the soul.

The next important step after the cultivation of vocal expression is the study of physical expression or gesture. It is the purpose of the teacher to give exercises and movements which will create responsiveness in the nerve centers, and allow the body to move with perfect freedom and ease in response to mental concept. When the body is cultivated to responsiveness the right mental activity will create the right gesture.

COURSES OF INSTRUCTION

The School of Oratory offers two courses of instruction, viz:

1. Public Speaking and Debate.
2. Interpretative Reading.

COURSE I

Public Speaking and Debate.—Evolution of Expression, Voice, Gesture, Study of Masters and Masterpieces of Ancient and Modern Oratory, Writing and Delivery of Orations, Hymn and Bible Readings, Extemporaneous Speaking, Debate.

COURSE II

Interpretative Reading.—Evolution of Expression; Prose Forms, Expressive Study of Description and Narration. Poetic Interpretation; study of Epic, Lyric and Dramatic poetry with special references to the needs of the public speaker. Verse forms, tune and rhythm. Impersonation and Monologue, Dialect Studies, Arrangement of Programs, Abridgement and Adaptation of Selections for Public Reading, Writing of Introductions.

VOICE TRAINING IN COURSES I AND II

Physiology and Hygiene of Voice, Technical Vocal Training, Breath Control; tone projection, development of resonance, flexibility, freedom.

Text-Books Used.—Evolution of Expression, four volumes, Emerson; Perfection Laws of Art, four volumes, Emerson; Psychology of Voice and Gesture, Emerson; How to Teach Reading, S. H. Clarke; Expressive Voice Culture; Voice as interpreter of mental states, tone and power of tone, eradication of faults in use of voice. Articulation, color and form, relation of voice to imagination and emotion. Principles of Vocal Expression and Literary Interpretation, Clarke and Chamberlin.

DRAMATIC CLUB

Students of the Junior and Senior Oratory classes are eligible to membership in the T. C. U. Dramatic Club. While we do not offer any course of training for the stage, we believe that work

done in dramatics is of great value to the student of the form in that it develops ease and flexibility of movement, clearness of address and a deeper, fuller appreciation to dramatic literature.

RECITALS

Public recitals will be given by members of the department who are prepared, at regular intervals during the school year. The Literary and Debating Societies of the University furnish excellent opportunities for practice in public reading and speaking.

CONTESTS

Students of Oratory have splendid opportunities to measure their skill in the various oratorical contests held throughout the session. In the fall term is held a Declamatory Contest, under the auspices of the three literary societies. The annual preliminary trial for the representation of the University in the State Prohibition Contest comes during the winter term. In March is held a similar preliminary for the Inter-Collegiate Oratorical Contests. We believe that no school in the country has more enthusiastic interest in oratorical attainments than has Texas Christian University.

CLASS WORK

In every walk of life it is eminently essential that men and women should know something of the rules of, and have some practice in, public speaking. Whether one chooses for his profession law, medicine, theology, teaching or any other of the professions, he will find himself seriously handicapped if he has not spent some time upon the forms of public address. While a really great orator is as rare as a really great artist, yet all who possess a good literary foundation, strong determination and quick powers of thinking, may become good speakers. Constant practice based on hard thought and a constant effort to improve will make the tyro into a fair speaker, the fair speaker into an adept, sometimes the adept into a champion.

With these facts in mind, and for the purpose of reaching

bulk of the student body, we have added to the regular work of Oratory two classes in Public Speaking and Debate, offering the ground work of these subjects at a merely nominal figure. These classes will in no wise take the place of the usual private instruction, hitherto offered in this department, since individual training upon selections, declamations, orations and sermons can be given only in private lessons. Still this work will be of value to those who for various reasons find it impossible to take the course more in detail. Regular college credit will be given for these courses.

DIPLOMAS

Students who have satisfactorily completed the prescribed work in either course, made an average grade of B in the quarterly examinations, and further possess a literary education equal to that required for admission to Freshman standing in the College of Arts and Sciences, will receive the degree of Bachelor of Oratory.

SCHOOL OF PAINTING AND DRAWING

DURA BROKAW COCKRELL

Recognizing the fact that the study of art should be broad and comprehensive, that creates ability in every individual should be encouraged, that students should have opportunity to secure the greatest return for the time spent in study, this department has established courses which will not only develop skill in drawing, but will also acquaint students with the fundamental principles of art; with beauty of line, tone and color and with the best examples of the various phases of art in the world's history. The desire of the department is to offer the means of general culture, and a training that shall lead to fitness in the choice of life work.

COURSES OF INSTRUCTION

The branches of instruction are drawing and painting in antique, life and still-life, outdoor sketching and china painting. Pencil, charcoal, pen and ink, water color, and pastel are used as mediums.

Antique Class.—Drawing in charcoal from casts which are provided in the studio, including most of the classic models.

Life Class.—Drawing from the living model, including portrait sketches from the full figure with a view of illustrating anatomical studies of the head in charcoal with a view to portraiture.

Still-Life Class.—Painting from still-life which includes the representation and arrangements of objects such as vegetables, flowers, furniture and things of common interest.

Painting in Oil.—Oil is used as the fundamental medium for the expression of color and is employed in the still-life and portrait classes.

Water Color.—Water color is used very generally and is found to be a favorite medium for figures and landscapes.

Pastel.—This medium is used less than the others, but its familiarity with its use is required in the regular art course.

Decoration and Design.—Special attention is given to the decoration and original designing is encouraged. Pyrography and Stenciling are given if desired.

Out-Door Sketch Class.—Much importance is attached to the sketch class which meets in the open at least one day each week.

Art History.—Regular students are given free tuition in the Art History class. This class is very beneficial in creating an interest in all that pertains to art and in making one familiar with the best work of the old masters. The "History of Christian Art" is studied, alternating with "Present Day American Artists."

Drawing Class.—A drawing class is provided mainly to meet the needs of the public school children. This class meets two hours each week and gives its members training in the fundamental principles of art.

ART LECTURES

Art lectures and exhibitions will be provided for the students from time to time, and they may also have the benefit of the course of art lectures which is given in the city each winter.

EQUIPMENT

The Art School has well-lighted, well-ventilated and well-equipped apartments, so that there is an atmosphere of beauty and refinement in the surroundings which is very conducive to true art-culture. The studio is well provided with plaster casts, still-life models and reproductions of masterpieces for study. The country closely surrounding the campus is ideal for an outdoor sketching class; the most beautiful phases of nature are close at hand, inviting one's study.

CHINA KILN

The best china kiln is provided by the school, as well as all other conveniences for china decoration. Firing is done as often as the student requires, usually twice a week.

ART CLUB

An Art Club called "The Brushes" is organized for the benefit of all art students. This club has for its object the furtherance

of the general art interests of the school and is a source of benefit and pleasure to its members.

EXHIBITIONS

The best work of the students will be exhibited at least once each term, when visitors will be invited. At this time collective criticisms will be given, with recognition of good work by honorable mention.

HOURS FOR WORK

The classes meet five days a week for three hours, both morning and afternoon. The students are given all the help that is consistent with their advancement and care is taken to prepare them for a time when they must work alone.

DIPLOMAS OF GRADUATION

A diploma will be conferred upon students who have completed the full three years' course, which comprises work from elementary drawing up to portrait painting. Students will be given full credit for work done in other art schools on presentation of such drawings and letters as give evidence of ability to undertake the work desired.

The College
of
Business

FACULTY

FREDERICK D. KERSHNER, M. A.,
President of the University.

J. A. DACUS. M. Acct's.,
*Penmanship, Office Work, Banking, Advanced Shorthand, Court
Reporting.*

BOYD WILSON,
*Bookkeeping, Business Practice, Business Correspondence, Busi-
ness Spelling.*

CLARA WHITMAN,
Shorthand and Typewriting.

C. H. ROBERTS,
Commercial Law and Civil Government.

MRS. JOHN W. KINSEY,
English Grammar and Commercial Arithmetic.

GENERAL STATEMENT

The Principal of the College of Business gives his entire time to teaching and general supervision. He is assisted by competent teachers in the department, and several of the subjects in both Bookkeeping and Stenography are taught by the regular College professors. In point of equipment, courses, advantages, etc., the College of Business is second to no other similar department or Business College in this part of the country. It is complete within itself.

The purpose of the courses offered in the College of Business is to supply the facilities for the training of young men and women who desire to enter upon business careers; to impart that knowledge most valuable and essential to all persons seeking an honest living; and, in fact, practically to qualify young men and women for the stern realities of life. Its work is based on the belief that through a study of commercial methods and economic forces, a young man may obtain at least as valuable mental discipline as in the so-called culture studies and in addition will gain practical knowledge and habits of thought that make for efficiency in business. Again its work is based on the demonstrated fact that every person should have a knowledge of commerce, accounts and finance, because they are necessary elements in everyday life. The modern business man needs training of the highest order, combined with a knowledge of the mathematical, physical and social sciences and of their application to commerce and industry. The present age is a commercial one with rapid development of modern industrial processes. The growing demand of the present age is Commercial Education. The purpose of the College of Business of the Texas Christian University, with its splendid equipment, courses and advantages, is to meet that demand.

LOCATION AND SPECIAL ADVANTAGES

1. The location is most desirable. Fort Worth is an important railroad center, and is accessible from every direction. The University grounds are more than 100 feet above the city, making it only not cool and delightful, but affording a commanding and inspiring view.

2. A well organized Academy makes it possible for a student to review any literary branches in which he may be deficient and at the same time take a course in Business. Any course at the University, for which the student is prepared, is open to the student of this department. So also are the departments of music, oratory and art open to them. Students of this department may, therefore, with only a slight increase in the expenses take almost any work they may desire.

3. The library privileges of the University are open to the students of the Business College.

4. The buildings are commodious and all recitation rooms are

4. The buildings are commodious and all recitation rooms are supplied with pure artesian water.

5. The young ladies are under the immediate care of a competent lady principal.

6. The students of this department have an equal footing in all the athletic training of the University.

7. The personnel of the student body is a matter of pride. The majority of the students are young men and women of high ideals and lofty purposes. They are in school because they want an education.

8. The moral and religious tone of the University is of a high order. The University Church, the daily chapel exercises and the student religious organizations provide for the moral and spiritual well-being of the student in an effective way.

9. Considering the advantages offered, the expenses are exceedingly small.

PREPARATORY COURSE

For the benefit of those who have been out of school for some time and are "rusty," and for those who are deficient in certain studies as Grammar, Arithmetic, Reading, etc., we give a preparatory course. If the student is really deficient, it will require some four or six months' earnest work before he will be able to take up the Business or Shorthand course; but if he is not "rusty," or deficient in one or two studies, he may enter upon Business or Shorthand course at once, join these preparatory classes, and make up his deficiencies, at no additional cost in tuition. This is one of the many advantages the student

has here and that he cannot get at any regular Business College. These preparatory classes are taught by our regular literary teachers.

BUSINESS COURSE

Bookkeeping, Business Practice, Commercial Arithmetic, Penmanship, Typewriting, Business Spelling, Commercial Law, Business Correspondence, English Grammar, Civil Government, Office Customs.

BOOKKEEPING AND BUSINESS PRACTICE

The course in Bookkeeping is practical and interesting from beginning to end. It is presented in such a way that the student "learns to do by doing." The work is given in sets representing the general lines of business. It begins with the first principles, namely, teaching the student how to systematically make records of all purchases whether for cash on an open account, on notes or otherwise; how to record all sales, whether on open account, notes or otherwise. The student is taught early in the course to write such business papers as notes, drafts, checks, etc., and to properly record same. After the basis is laid, he is then given the first set, which is on the General Merchandising Business. In this set the student is supplied with \$8,000 in College Currency, actually engages in the General Merchandising Business, handles the cash, buys and sells merchandise as the general merchant does, pays rent, salaries, freight, writes out all notes, drafts, checks, etc., for a given time, at which time he is required to render a statement exhibiting total debits, credits, losses, gains, resources and liabilities. Books to be used in this set are Cash, Journal, Sales, Ledger, Invoice Book, Bills Receivable Register and Bills Payable Register. Of course the student has Check Book, Receipt Book, Note Book, and keeps stubs properly filled out in these books. This is a very practical set, and the larger part was taken from a General Merchandising business by Professor Dacus.

FURNITURE AND CARPET BUSINESS

This is the second set, and represents a partnership business for an up-to-date furniture and carpet house. In this, as in all the work throughout the entire course, all notes, drafts, checks and other business papers are written out by the student.

HARDWARE BUSINESS

This is the third set, and the student starts the business with both resources and liabilities on hand. He is expected to adjust these points and run the business for three representative months, making monthly and final statements to the proprietor.

GROCERY BUSINESS

In this, the fourth set, the student is supplied with \$5,000 College Currency, with which he engages in business. He has Cash, Journal, Sales and Ledger Books. As auxiliaries he has Order Book, Purchasing Journal, Invoice Book, Customer Check-up Book, Bills Receivable and Bills Payable Registers. He buys groceries in large quantities and sells in small quantities in other words, runs a retail grocery business for a certain length of time, making out, of course, all notes, drafts, checks, etc.; and as a corporation is to be formed, he is now instructed to make a full statement showing all debits, credits, losses, gains, resources and liabilities. This is designed to teach the student how to change from an individual business to a corporate business. The books having been closed, nine other persons are here admitted into the business, putting in \$10,000 each, for organizing a corporation of \$100,000, for the purpose of running a Wholesale Grocery Business. The student is employed as bookkeeper, city and traveling salesmen are employed, books are opened by the student, and the business is conducted for a period of time necessary to familiarize the student with this kind of bookkeeping.

BUSINESS OFFICES

There are several well equipped business offices in the City of Business, such as Merchants' Emporium, Commercial Bank

change, Interstate Transportation Office, College National Bank with a capital of over \$1,000,000, Postoffice, etc. Throughout the course the student has business transaction daily with each of these offices, and each student is required to spend from one to two weeks in each of these offices; hence, when a student has graduated from this College of Business in Bookkeeping and goes to accept a position he is at home; it is like changing from one office to another; he has "learned to do by doing;" he places money on deposit, discounts notes through the bank, draws drafts on customers, pays freight, receives mail through postoffice, and, in fact, conducts each class or line of business for which he is bookkeeper in a very business-like manner.

COMMERCIAL ARITHMETIC

Students are supposed to have a fair knowledge of the fundamental principles of Arithmetic before they enter, and the work is given largely to the development of that readiness and accuracy in Arithmetic calculations which can be attained only by systematic, persistent drill. To this end he receives daily drills in rapid calculations, mental and written. Simple addition at first, and then, as facility is acquired, the work is made gradually more difficult until the student is able to handle very intricate problems with ease, and obtains accurate results. Absolute accuracy is insisted upon first—rapidity next.

In addition to the daily drills in rapid calculation or rather in connection with them, he takes up the various subjects of Arithmetic of interest to the business man, as Percentage, Practical Measurements, Trade Discount, True and Bank Discount, Commission and Brokerage, Profit and Loss, Interest, Taxes, Storage, Customs and Duties, Partial Payments, Equation of Accounts, Partnership, Settlements, etc., and learns them thoroughly and practically.

COMMERCIAL LAW

The course in Commercial Law covers the subjects of Contracts, Remedies, Defenses, Damages, Negotiable Paper, Interest and Usury, Sale of Personal Property, Chattel Mortgages, Bailments, Guaranty, Shipping, Common Carriers, Agency, Partnership, Joint Stock Companies, Corporations, Leases, Deeds,

Mortgages, Highways, and also a short treatise on the Courts, State and National, and pleading and practice.

Special attention is given to the various legal forms in common use, and the student must be able to write any form offhand before completing this subject. In addition to class-work on this subject the student gets a great deal of practical experience in writing up the various forms required in bookkeeping work.

BUSINESS PENMANSHIP

It is a demonstrated fact that rapid, practical, plain writing cannot be successfully taught from copybooks. For this reason we teach the subject from the board, putting great stress on position at desk, movement, form and speed, and as help we use pen written copies. Criticisms are freely given and earnest work is done that we may be able to turn out students who can write a bold, rapid, legible hand. All students can become professional, but any earnest student can at least acquire an epistolary style.

BUSINESS CORRESPONDENCE

Before entering upon this subject the student should have good knowledge of English Grammar. Throughout the course he has much need of correspondence; he is, however, taught the various parts of letters, arrangements, folding, inserting, addressing envelopes, and how to enclose commercial papers. The student gets much practice in actually writing letters, ordering goods, making remittances, and conducting a general way all correspondence necessary to carry on various lines of business for which he is bookkeeper while taking his course. His correspondence becomes a part of his bookkeeping and he is graded on it the same as on bookkeeping or other subjects.

TYPEWRITING

We teach both touch and sight typewriting, using the all-scientific method in either case. If the student owns a typewriter or even knows what machine he will use, we teach touch typewriting; but if he is uncertain what make of machine

he will use after completing his course, then in that case we recommend sight typewriting for a student learning by touch cannot operate all machines with the same ease and advantage as does the student learning by sight, yet the touch method is much better for the student using just one make of machine. A systematic course of lessons is given, including many business letters, common business expressions, tabulating work, etc. Full explanations of the use and care of the typewriter are given and regular practice periods assigned each student. All work done by each student is filed daily, and at the end of terms bound into book form.

BUSINESS SPELLING

As the heading implies, we teach only business spelling in this department, and this is given to the department as a whole. Regular lessons are assigned with a certain number of words to be looked up daily in dictionary; these lessons are pronounced the following day while each pupil with pencil and tablet is writing the word, exchanges of papers are than made, papers graded, and grades called for. These grades are kept and from them daily reports are obtained. Spelling is the one thing on which almost everyone gets "rusty," unless kept "rubbed up" by daily references to spellers and dictionaries.

REQUIREMENTS FOR GRADUATION IN THE BUSINESS COLLEGE

The work in Bookkeeping is entirely individual, and when the student has done the work outlined, has made passing grade on final examination, and is able to write forty words per minute on typewriter for five consecutive minutes his course is completed, providing, of course, he has a passing grade on all the other studies in the course. The average grade required on all studies is 75 per cent.

AMANUENSIS COURSE

Shorthand, Typewriting, Business Correspondence, Commercial Law, Legal Forms, Spelling, Civil Government, Penmanship, Office Customs and English Grammar.

SHORTHAND

Shorthand is given in sheets, that is, one lesson at a time. We cover the principles in ten lessons. *The First Lesson* is on the consonant alphabet, with necessary practice; *The Second Lesson* is on the vowels, with practice thereon; *The Third Lesson* is on the diphthongs and word-signs; *The Fourth Lesson* contains comments on the consonants, brief w's and y's; *The Fifth Lesson* explains the circles, loops and translating; *The Sixth Lesson* is an explanation of the halving principle; *The Seventh Lesson* is an explanation of the doubling principle; *The Eighth Lesson* explains the initial hooks; *The Ninth Lesson* explains the final hooks; *The Tenth Lesson* contains a full list of prefixes and affixes. After the principles have been mastered, a large amount of practice is given in business letters, legal documents, court testimony, clippings from newspapers, etc., for speed practice.

The students do a great deal of the private correspondence of the Principal of the College of Business, as well as for many of the other teachers and students of the University, and are required to go through much office work in the way of making carbon copies, press copies, filing various classes of papers, writing out deeds, leases, mortgages, articles of agreements, etc.; hence, when the student graduates in the Amanuensis Course he is a practical stenographer.

Persons who have started Shorthand but have not had the opportunity to finish same would do well to enter the College of Business, as they can get almost any standard system. We teach only one system to beginners, but try to accommodate those who have taken a part of some other system.

TYPEWRITING

Typewriting is taught the same as with bookkeeping, at the beginning, but there is just about double the amount with Shorthand. *Much of the typewriting done* is the translating of the *hand*, notes taken in class, at lectures, church, etc. The regular work is graded. Dictation is also given for speed on the typewriter, and many legal forms are copied from printed forms and from shorthand notes.

BUSINESS CORRESPONDENCE

The student of stenography begins on correspondence just as soon as he is over the principles, and starts to write simple letters. He is taught the various parts of letters, scaling on typewriting, and has practical correspondence each day until his graduation.

Commercial Law, Legal Forms, Spelling, Civil Government, Penmanship, Office Customs and English Grammar, same as required for Business Course.

REQUIREMENTS FOR GRADUATION IN AMANUENSIS COURSE

All subjects under Amanuensis Course must be completed in a satisfactory manner, and the student must be able to write from new matter 100 words per minute for five consecutive minutes, read same back in five minutes, then translate same on typewriter at the rate of 25 words per minute.

EQUIPMENT

FOR THE AMANUENSIS COURSE

Each student in this course has a desk with cash drawer, book racks, pigeon holes, paper files, pen racks and waste basket—in short, all the necessary equipment of a business office.

In addition to this, we have a full line of offices that represent the parties with whom the student deals. Each of these offices is equipped with a complete set of books of the loose leaf variety. The bank has just such a set of books as will be found in the National Banks of today. In fact, the student who goes out of our College National Bank to work in a regular bank will feel little change in his surroundings, except in the matter of salary.

FOR THE AMANUENSIS COURSE

Each student in this course has a desk with drawer, etc., precisely as he would have in a well regulated business office in actual business.

HOW LONG?

The question is often asked. We can only reply that the time required to complete either of the courses depends more upon the advancement and natural aptness of the individual student at the time of entering, and the subsequent industry and faithfulness in performing the work, than upon anything else. The average time for the full course is about a full session of ten months. We have had some who had a good English education to start with to complete it in a shorter time.

POSITIONS

Our graduates are uniformly successful in securing and holding good positions. We use our best efforts in assisting our graduates to lucrative and responsible positions, but under all circumstances do we guarantee positions.

The College
of
Medicine

FACULTY*

EMERITUS PROFESSORS

ELIAS J. BEALL, M. D., Fort Worth, Texas,
*Emeritus Professor of Principles and Practice of Surgery and
Clinical Surgery.*

JULIAN T. FEILD, M. D., Fort Worth, Texas,
Emeritus Professor of Obstetrics and Clinical Gynecology.

FRANK D. THOMPSON, M. D., 703 Lamar Street,
Emeritus Professor of Gynecology.

PROFESSORS

JAMES ANDERSON, M. D., 415 Henderson Street,
*Professor of Principles and Practice of Medicine and Clinical
Medicine.*

BACON SAUNDERS, M. D., LL. D., 426 Henderson Street,
*Professor of Surgery and Clinical Surgery, and President of the
Faculty.*

FRANK C. BEALL, M. D., 1314 North Street,
Professor of Anatomy.

FRANK GRAY, M. D., 506 Taylor Street,
Professor of Diseases of the Eye, Ear, Nose and Throat.

EDGAR DOAK CAPPS, M. D., 614 Taylor Street,
Professor of Diseases of the Brain and Nervous System.

ERNEST L. STEPHENS, M. D., 1008 W. Weatherford Street,
*Professor of Materia Medica and Therapeutics, and Lecturer on
Clinical Therapeutics.*

*Faculty list for 1911-12. The faculty for 1912-13 had
been elected when this catalogue went to press.

WILLIAM R. HOWARD, A. B., M. D., 921 Cannon Ave.,
*Professor of Histology, Pathology and Bacteriology, and
Secretary of the Faculty.*

WILLIAM A. DURINGER, M. D., 1402 Summit Ave.,
Professor of Genito-Urinary and Rectal Diseases.

WILLIAM BEVERLY WEST, M. D., 1315 Pennsylvania Ave.,
Professor of Dermatology and Syphilology.

ROBERT B. GRAMMER, M. D., 200 Taylor Street,
Professor of Pediatrics.

GOODRIDGE V. MORTON, A. B., M. D., 500 W. Second St.,
Professor of Obstetrics.

WM. ROUNDS, 1728 Washington Avenue,
Professor of Physiology.

W. ERNEST CHILTON, 901 Penn Street,
Professor of Gynecology.

R. H. NEEDHAM, Ph. C., Fort Worth, Texas,
Professor of Chemistry, Lecturer on Pharmacy.

ASSOCIATE PROFESSORS

WILLIAM R. THOMPSON, M. D., 505 Henderson Street,
*Associate Professor Diseases of the Eye, Ear, Nose and Throat,
and Dean of the Faculty.*

JOHN D. COVERT, M. D., 1508 Hemphill Street,
*Associate Professor of Histology, Pathology and Bacteriology,
and Demonstrator of Histology, Pathology and Bacteriology.*

K. HEBERDEEN BEALL, M. S., M. D., 1314 North Street,
*Associate Professor of Principles and Practice of Medicine and
Clinical Medicine.*

WILLIAM C. DURINGER, M. D., 1402 Summit Avenue,
*Associate Professor of Dermatology and Syphilology. Assistant
to the Chair of Genito-Urinary and Rectal Diseases.*

LECTURERS, DEMONSTRATORS AND ASSISTANTS

WILLIS G. COOK, B. S., M. D., 650 Fifth Avenue,
*Lecturer on Physical and Clinical Diagnosis and Vice President
of the Faculty.*

M. LYLE TALBOT, M. D., 1500 Ballinger Street,
Lecturer on Fractures and Dislocations and Clinical Surgery

CLAUDE O. HARPER, M. D., 1201 Rio Grande Avenue,
Lecturer on Minor Surgery and Bandaging and Clinical Surgery

JAMES M. GIVENS, M. D., 1300½ Main Street,
Clinical Assistant to the Chair of Surgery.

ALDEN COFFEY, M. D., 2741 Hemphill Street
Demonstrator of Anatomy.

FRANK D. BOYD, M. D., 1016 Cannon Avenue,
Lecturer on Anatomy of the Special Senses.

LEONIDAS A. SUGGS, M. D., 1517 Hemphill Street,
Lecturer on Hygiene and Clinical Orthopedic Surgery.

RUFUS B. WEST, M. D., 431 Wheeler Street,
*Lecturer on Medical Jurisprudence and Life Insurance
Examinations.*

ROY F. SAUNDERS, M. D., 1415 Cooper Street,
*Quiz Master in Surgery, Demonstrator of Operative Surgery
Assistant to the Chair of Surgery.*

WILLIAM C. DURINGER, M. D., 1402 Summit Avenue,
*Assistant to the Chair of Genito-Urinary and Rectal Diseases
and Assistant Professor of Dermatology and Syphilology*

JESSE S. BARDIN, M. D., Fort Worth, Texas,
Clinical Lecturer on Pediatrics.

GEO. D. BOND, M. D., cor. Peter Smith and Hill Street
Lecturer on Electro-Therapeutics.

HENRY B. TRIGG, M. D., 1410 West Daggett Avenue,
Lecturer on Histology.

MARVIN E. TADLOCK, M. D., 1400½ Main Street,
Lecturer on Embryology.

ROY DUNLAP, M. D., 1500 South Adams Street,
Lecturer on Osteology.

ROSS B. TRIGG, M. D., 1410 West Daggett Avenue,
Lecturer on Mental and Nervous Diseases.

OSCAR E. VEATCH, A. B., M. D., Fort Worth, Texas,
Assistant in Physiology.

YOUNG J. MULKEY, M. D., 1600½ Main Street,
Assistant Demonstrator of Anatomy.

J. A. MULLENIX, M. D., 1300½ Main Street,
Assistant in Physiology Laboratory.

A. B. BROWN, 1600½ Main Street,
Assistant Demonstrator of Anatomy.

VICTOR E. BONELLI, M. D., 615 Lamar Street,
Lecturer on Materia Medica.

HERMAN KINGSBURY, M. D., 823 Macon Street,
*Lecturer on Bacteriology and Laboratory Assistant to the Chair
of Histology, Pathology and Bacteriology.*

EWING P. HALL, M. D., 1810 South Jennings Avenue,
Assistant to the Chair of Practice.

FRANK G. SANDERS, Ph. G., M. D., Fort Worth, Texas,
Demonstrator of Anatomy.

JOHN W. YANCEY, 810½ Main Street,
Lecturer on Pharmacology.

LOUIS N. MARKHAM, M. D., Fort Worth, Texas,
Assistant Demonstrator of Anatomy.

E. L. MYRICK, M. D., 1705 South Jennings Avenue,
Assistant Demonstrator of Anatomy.

W. MARSHALL TRIMBLE, M. D., 505 West Central Avenue
Assistant to the Chair of Gynecology.

ISAAC A. WITHERS, M. D., Fort Worth, Texas,
Lecturer on Gynecology.

JOHN B. CUMMINS, M. D., 1425 Hemphill Street,
Assistant to the Chair of Obstetrics.

JAS. R. MITCHELL, A. B., M. D., Fort Worth, Texas,
Assistant in Chemistry and to the Chair of Obstetrics.

JOSEPH A. GRACEY, M. D., 515 South Henderson Street,
Assistant to the Chair of Practice.

O. F. CARLSON, M. D., Riverside, Fort Worth, Texas,
Lecturer on Osteology.

ERIC W. STROMBERG, Ph. G., Fort Worth, Texas,
Assistant in Pharmacy Laboratory.

HENRY B. LITTLEPAGE, Ph. G., Fort Worth, Texas,
Assistant in Chemical Laboratory.

D. J. SAUNDERS,
Registrar.

INSTRUCTORS IN SCHOOL OF PHARMACY

R. H. NEEDHAM, Ph. C., 1311 Harrington Avenue,
Professor of Pharmacy, Botany, Chemistry and Toxicology
Dean of the Faculty.

ERNEST L. STEPHENS, M. D., 1008 W. Weatherford Street,
Professor of Materia Medica, Pharmacology and Therapeutics.

WILLIAM ROUNDS, M. D., 1728 Washington Avenue,
Professor of Physiology.

JOHN D. COVERT, M. D., 1508 Hemphill Street,
Professor of Bacteriology.

VICTOR E. BONELLI, M. D., 655 Lamar Street,
Lecturer on Materia Medica.

JNO. W. YANCEY, M. D., 910½ Main Street,
Lecturer on Pharmacology.

JAS. R. MITCHELL, A. B., M. D., Fort Worth Nat'l Bk. Bldg.,
Assistant in Chemistry.

OSCAR E. VEATCH, A. B., M. D., Fort Worth,
Assistant in Physiology.

J. A. MULLENIX, M. D., 1300½ Main Street,
Assistant in Physiology Laboratory.

ERIC W. STROMBERG, Ph. G., Fort Worth,
*Assistant in Pharmaceutical Laboratories and Lecturer on
Inorganic Materia Medica.*

HENRY B. LITTLEPAGE, Ph. G., Fort Worth,
*Assistant in Chemical Laboratory.
Assistant in Pharmacognosy.*

SCHOOL OF MEDICINE

The College of Medicine* maintains the following departments:

- I. The School of Medicine.
- II. The School of Pharmacy.
- III. The School of Nursing.

HISTORICAL REVIEW

The Fort Worth School of Medicine was organized as the Medical Department of the Fort Worth University in 1894. In 1894 the first class was enrolled, and the graduating class received the Degree of Doctor of Medicine in 1895. In the beginning we had fifteen full professors, with adjuncts, assistants and demonstrators to accommodate the needs of our classes. It was with some difficulty that we obtained abundant anatomical material. While our laboratories, microscopical and chemical were not what they are now, we had enough, by working our classes in double sections, to give a good course. As our classes grew and our courses became more extended, we were one of the first medical colleges in the South to adopt a four year course; and in 1896 we were the first in Texas to become a member of the Southern Medical College Association.

The requirements of these newly acquired conditions demanded still further equipment and better teaching facilities. These have been added year by year as our class roll has increased till now we have a beautiful Medical College building the property of the school, well equipped for teaching purposes. No better facilities for teaching scientific medicine exist in the South and West. We now have sixty professors and instructors in the Medical Department. Of the original fifteen professors eight are still in active service, six of whom are holding the same chair they were elected to in the beginning; three are Emeritus; two have resigned, and two have died.

We have added a School of Pharmacy which has passed

*Further details in regard to the work of the College of Medicine will be found in the Special Bulletin of the latter.

sixth annual commencement; the success of the School of Pharmacy has been more than the most sanguine could have hoped. Like the School of Medicine, the School of Pharmacy has an efficient corps of teachers, equipped with every appointment necessary to teach scientific and practical Pharmacy.

A School of Nursing was installed four years ago and has passed its fourth annual commencement. Some of our graduate nurses are holding the best hospital appointments in the South.

OUR AFFILIATION

Owing to the fact that the trustees of Fort Worth University moved the location to Guthrie, Oklahoma, and united with the Epworth University, the Medical Department was left without affiliation. At a meeting of the Medical Faculty on June 3, 1911, a committee, with a resolution, was appointed to confer with the Board of Trustees of the Texas Christian University, to ascertain if it might result in mutual benefit to both institutions, should an affiliation be brought about. This affiliation was successfully accomplished during the summer of 1911. By the action taken at that time all alumni of the Medical and Pharmacy schools and the School of Nursing become alumni of the Texas Christian University. Arrangements have since been perfected by virtue of which the School of Medicine becomes an integral part of the University at an early date.

REQUIREMENTS

Our Curriculum exceeds the requirements of the State Board of Medical Examiners, as well as those of the Council on Medical Education of the American Association.

State Board	3,600 hours
American Medical Association	4,100 hours
Fort Worth School of Medicine	5,200 hours

Our Curriculum exceeds the American Medical Association requirements 1,100 hours, the State Board 1,600 hours.

Our entrance requirements are regulated by the State, and students are received only on a basis of fourteen units. Our graduates have the highest percentage before the State Board of any school in the South or West; and out of 293 graduates,

who have graduated in the past eighteen years, and have applied to the State Boards, only one has failed, the best record of any school in the South.

Notwithstanding the efforts of wealthy medical college syndicates to overthrow all Southern schools of medicine by the unjust criticism of their agents, who know little of our methods of teaching, nothing of our legal requirements, and much less of the ability and success of our Southern practitioners, this action should not deter the schools of the South from maintaining the high standard of medical education which brings them the success they so justly deserve.

COLLEGE BUILDING

The Medical College occupies a beautiful and commodious building, made of gray brick and stone. The building is owned by the institution and cost more than \$60,000 for building and grounds, not including equipment. It has a floor space of over 25,000 square feet, well lighted and ventilated.

The first floor contains seven hospital wards of sufficient room for fifty beds, bath rooms, dining room, kitchen, private linen closets, boiler room, coal room, supply room, lavatory, etc.

The Hospital Department, on the second floor, contains five hospital wards with twenty-five beds, two bath rooms, private operating room, surgical clinical amphitheater, anaesthetic room, sterilizing room, surgeon's dressing room, medical clinic room, clinic waiting room, house surgeon's room, drug store and patient's lobby.

The College Department contains library and faculty Dean's office, student's lobby, etc.

On the third floor the Assembly Hall seating three hundred is fitted with a Zeiss epidiascope, physiologic, histologic and bacteriologic laboratories, lecture room seating seventy-five, etc., room, hallways, elevator, etc., are situated.

On the fourth floor are the dissecting room, anatomic preparation room, anatomic and autopsy amphitheater, museum, section study room, chemical laboratory, chemical stock room, chemical lecture room, pharmaceutical laboratory, stock room, halls, etc.

CLINICAL RESOURCES

The rapidity with which our city is growing, its manufacturing industries, railroad, street car and interurban lines, service corporations and its rapid increase in population, reaching near the 100,000 mark, make it a place unsurpassed for clinical advantages. Not only this, but the outlying territory tributary to this place, reached by twenty-four railroad and interurban lines, makes it a natural distributing point to the great Northwest, West, and Southwest. These are important factors, offering an enormous clinical field, unexcelled by any city of its size in the country.

The city and county have placed their sick in the Medical College Hospital, making it a city and county hospital, placing under our supervision the entire charity medical work for medical instruction.

COLLEGE DISPENSARY

On the second floor of the college building is located the dispensary, and consists of patients' waiting room, a medical and surgical amphitheater with capacity for seating the Junior and Senior classes; connected with this are dressing, sterilizing and anesthetizing rooms. Members of the Junior and Senior classes have daily work in the dispensary and clinical laboratory, under the supervision of instructors, where they become acquainted with many diseased conditions.

Physicians are invited to refer patients to this clinic for treatment, on condition that such patients are indigent, or merely able to pay for hospital service.

THE COLLEGE HOSPITAL

The college hospital furnishes the clinical laboratory for the Junior and Senior years. It covers a floor space of 7,500 square feet, and has room for seventy-five patients, outside of kitchen, dining room, etc. Its capacity has been recently increased by turning the first floor students' lobby into a city hospital ward and by rental of a cottage nearby for a nurses' home.

The medical clinic has seats for ninety students, a surgical

amphitheater with steeply inclined seats for sixty students, the most distant of whom will not be farther than ten feet from the operator. This room has tiled floor, and abundance of light from the north and east, and connects directly with the anesthetic room and a sterilizing room and dressing room. The whole is provided with regular operating room equipment. Amphibath and toilet facilities are arranged. On the second floor is a very completely equipped private operating room with tiled floors, enameled walls, sterilizers, instrument cases, operating table, etc.

The hospital is both a private and public institution. It is open to all reputable physicians desiring to use the private operating room. The surgical clinical amphitheater is solely in the service of the school and its instructors. The hospital is conducted under the College Hospital Association, a corporation distinct from the medical faculty, but comprised largely of members of this body and their assistants. The hospital conducts a training school for nurses. The city, utilizing this hospital as a city hospital, thus enables Junior and Senior students to have constant hospital bedside service. These arrangements are ideal for thorough inspection in the practical work of the last two years, so often poorly provided for outside of the large clinical centers.

PROJECTIVE APPARATUS

Desiring to give students every available teaching advantage the faculty has placed in the Assembly Hall the finest projective apparatus purchasable—a combined Epidiascope and Episcopes manufactured by Dr. Carl Zeiss, Jena, and imported at a large expense especially for this school. The instrument throws on the screen the brilliantly illuminated image of all objects of any size to be placed within it. Cuts, plates, illustrations from books, drawings, models, physical apparatus, small plants and animals, pathological and anatomical specimens, etc. It also projects lantern slides, micro-photographs, microscopical hanging cultures of bacteria, etc. The instrument presents a wide range of applicability and will greatly increase the amount of illustrated teaching.

ST. JOSEPH'S INFIRMARY

St. Joseph's Infirmary is located in the southern part of the city, readily accessible by a twelve-minute car service. It is situated upon a high plateau, and is surrounded by spacious grounds. It is owned and operated by the Sisters of the Incarnate Word, who completed in 1907 a large wing, making room for two hundred beds, four large wards, two operating rooms, in one of which a commodious amphitheater has been erected for the use of the upper classes of this school and the professional friends of the hospital. This is perhaps the largest and best equipped hospital in the South, having room for more than four hundred beds. Every Saturday a large surgical clinic will be held here by the Professor of Surgery, and both Juniors and Seniors will have equal opportunity of witnessing most of the principal surgical operations. The usefulness of the hospital is greatly enhanced by an efficient training school for nurses.

THE CHEMICAL LABORATORY

The chemical laboratory occupies a room 48x25 feet on the fourth floor. It is fitted with one hundred fifty-five cabinet desks, accommodating one hundred fifty-five men. The desks are provided with drawers, lockers, water, gas and furnished with reagents and chemical apparatus.

The department has a store room 12x18 feet, which may be used for a private laboratory for special and research work of the instructors. It contains an ample supply of the best chemical apparatus obtainable in American and German markets. The equipment of this laboratory, for its size, is equal to that of any other American medical college.

The laboratory connects with the chemical lecture hall, which accommodates seventy-five men, and is fitted with blackboards, demonstration desks, etc., necessary for chemical lecture work.

HISTOLOGIC AND PATHOLOGIC LABORATORY

This laboratory is situated on the north end of the third floor of the building. It is 16x44 feet, and fitted with desks and

lockers of progressive heights to enable all to have advantage of the ten large windows. The laboratory has compound microscopes and accessories sufficient to accommodate fifty men with individual outfits.

A large store room stores material for this laboratory and the bacteriological laboratory, which may be used for a private laboratory for the special and research work of the instructors. It is fitted with drawings, mounted specimens, gross pathologic and histologic material from home and other American and foreign centers, microtomes, stains, chemical supplies, etc.

THE BACTERIOLOGIC LABORATORY

The bacteriologic laboratory occupies the west side of the third floor. It has desks similar to the chemical laboratory, equipped with drawers, lockers, water, gas, bacteriologic apparatus, etc., sufficient to supply fortyfive men. The laboratory is furnished with incubators, individual and general, culture media, sterilizers, animal cages, and everything necessary to give a practical individual demonstration course in the nature, growth and pathologic properties of the principal micro-organisms. The laboratory is connected with the pathologic laboratory and utilizes the same stock room.

THE PHYSIOLOGIC LABORATORY

The physiologic laboratory is on the second floor. This department has this year added to its equipment a complete new outfit. The department possesses a good lecture room with good slate boards and necessary apparatus for the standard experimental courses in physiology.

ANATOMIC LABORATORIES

The dissecting room occupies the fourth floor, having the full east and south ventilation. It has a good cement floor and direct sewer drainage. It is provided with fifteen dissecting tables, accommodating sixty second year men and one hundred

twenty first year men. This department is provided with good lockers, lavatories, lights, etc.

Connected with this room is the anatomic amphitheater, lighted by window and skylight, provided with fine slate boards and accommodating with raised seats sixty men. Here anatomic demonstrations are given on the cadaver. The room is also used for autopsy work and demonstrations in operative surgery.

This department is also provided with a preparation room with cement floor, direct elevator connections, water and light, with all appliances for the preservation of bodies.

The anatomic study laboratory is an important part of this department. Here is placed a large central table with chairs for section study. The walls are fitted with cases containing models, charts, dissections, cross sections, colored bones graphically showing muscular attachments, embryologic preparations, pathologic specimens, anatomic library, etc. The annual six weeks' course on brain dissection is given here.

The bone room is furnished with a large collection of well classified disarticulated bones for the practical study of osteology. Tickets are secured at the Dean's office for \$2.00, entitling holders to draw bones for study according to the printed rules with the tickets.

THE CLINIC LABORATORY

This laboratory is supplied with the necessary chemical apparatus and reagents, sphygmomanometers, blood counting apparatus, microscopes, hemaglobinometers, dark ground, illuminators, etc. The laboratory is in charge of competent instructors and is used by Senior and Junior students on assigned cases from the various clinics. The work here forms a valuable adjunct to the instruction given in the clinical course.

THE MEDICAL LIBRARY

During the past year a medical library of about one thousand volumes has been placed in the faculty room of the Medical College. It is conveniently arranged for reference and consists of

standard medical works, systems of medicine and bound volumes of some of the leading journals. There is also an excellent file of the current medical journals.

COURSES OF STUDY

For information regarding courses of study, entrance requirements and the like in the College of Medicine, consult the special bulletin published by the College. Copies may be secured by addressing the Registrar, D. J. Saunders, Medical Department, T. C. U., Fort Worth, Texas.

SCHOOL OF PHARMACY

HISTORY AND ORGANIZATION.

The School of Pharmacy is operated under a provision of the charter of the Medical Department of Texas Christian University. It was organized in July, 1905, the faculty of the Medical Department having recognized, through the medical fraternity and druggists, that there was a demand for a Pharmacy School in connection with the Medical College. The success of the school has proven beyond any doubt the correctness of this conclusion; and the rapid and substantial increase in both attendance and interest, developed by physicians and druggists, has demonstrated that our efforts to establish a good School of Pharmacy have been fully appreciated by the people of this section of the State.

Our object in entering the educational field was not confined to selfish interests, but to establish an institution of learning where students could be thoroughly trained for their chosen profession, and, at the same time, come in contact with those studying medicine, which intercourse would better fit them for the business of pharmacists. There are many advantages to be gained in a school thus situated, which are wanting in that devoted to pharmacy alone. The drug business of today is quietly and persistently demanding that the men and women

who engage therein must be better educated. While we realize that pharmacy is a commercial business, yet it has its professional side, and is recognized as a science and an art. The demand for educated, reliable drug clerks was never better than it is today, with salaries showing an upward tendency; at the same time the State Boards of Pharmacy are demanding that both preliminary and pharmaceutical education be of higher standards. We have so arranged our curriculum as to meet these needs, and our entrance requirements will be up to those demanded by the Texas State Board. We do not claim that none of our graduates ever fail before the State Board, but we do declare that they are as well prepared for this test as the majority of those appearing for examination coming from other schools. One year's work in school will often do much toward preparing a student for examinations, but the full course of two years gives one a decided advantage over those possessing less education.

In the beginning it was decided to give but one course, that one to be of two years' work, leading to the degree of Graduate in Pharmacy, Ph. G. All efforts were directed to make this course one of the best and to correlate the studies, as far as possible, with those of medicine, thus enabling those graduates in pharmacy already matriculated in the School of Medicine, to take up their studies with about a year's credit in medicine. The number of hours devoted to class and laboratory work during the two years is in excess of 1,400. We realize that these hours demand of the student a great amount of time and study, but our experience in this line of work leads us to believe that the future will demand additional hours. Our course embraces instruction in all the most important branches in Pharmacy, including Practical and Theoretical Pharmacy, Dispensing, Chemistry, Materia Medica, Pharmacology, Bacteriology and Physiology. We try to impart to the student a complete knowledge of the rudimentary work of the branches taught, with the primary object to fit him for the best work in his chosen profession.

For further information concerning the School of Pharmacy, address R. H. Needham, Ph. C., 1311 Harrington Ave., Fort Worth, Texas.

SCHOOL OF NURSING

ANNOUNCEMENT

Lecture course begins October 1, 1912.

Final examinations May 10, 1913.

Two years' course of training, which includes practical instruction in nursing of medical, surgical, gynecological, and obstetrical cases, the nursing of children, and invalid cookery.

Pupils may enter at any time.

For general instruction to applicants for admission to the Training School, address Miss Jessie Gass, Superintendent of Nurses, Medical College Hospital, Fort Worth, Texas.

The Academy

FACULTY

FREDERICK D. KERSHNER, M. A.,
President of the University.

CHARLES H. ROBERTS, A. B.,
Principal and Professor of History.

MRS. JOHN W. KINSEY,
Instructor in Mathematics.

JAMES MILLER,
Instructor in English.

E. R. BENTLEY,
Instructor in Science.

P. M. FAULKNER,
Assistant in English and Science.

*Some courses in the Academy are given by Professors in the
College of Arts and Sciences.

THE SCOPE OF THE ACADEMY WORK

In many sections of Texas and adjoining States it is not practicable for young people to have the privilege of a High School course; in others the High School work, as carried on, is not satisfactory to parents. To meet the needs of persons in such circumstances the Academy has been organized. It receives pupils who have finished the regular seventh grade, and offers them a course of instruction equal to that of the best High Schools.

DIPLOMA

On the completion of the Academy course the student receives a diploma that entitles him to enter the College of Arts and Sciences. The diploma stands for the same attainments in scholarship as does that of the best High Schools of Texas.

REQUIRED AND ELECTIVE COURSES

In the Academy all courses in English, American and General History, Mathematics and Sciences are required of each student. In addition he is required to take three years of Foreign Language, two of which must be some Ancient Language, and to make a total of fourteen units, which must be completed before graduation.

COURSES OF INSTRUCTION

LATIN

Latin A.—Hale's First Latin Book; daily exercises at the black-board, together with the study of forms and quantity. Course to continue throughout the year. Professor Page.

Latin B.—Rolfe and Dennison's Junior Latin Book, including two books of Caesar's Gallic Wars; prose composition and grammar, Hale-Buck. Professor Eskridge.

Latin C.—Grammar and Composition; Eutropius Nepos and Sallust's Catiline. Professor Eskridge.

GREEK

Two years of work in this department are offered to students of the Academy, this work serving as an introduction to both Classical and New Testament Greek. For particulars, see the announcement of courses for the Department of Greek in the College of Arts and Sciences.

ENGLISH

English A.—Grammar and Composition with Word Study throughout the year, three hours a week. Class readings two hours a week: Irving's Sketch Book, Goldsmith's Deserted Village, Scott's Lady of the Lake, Stevenson's Treasure Island. Home readings: Longfellow's Courtship of Miles Standish, Dickens' Oliver Twist, Bunyan's Pilgrim's Progress, Tennyson's Enoch Arden. Mr. Miller.

English B.—Elementary Rhetoric and Composition, Fall and Winter Terms. History of American Literature, Spring Term, three hours a week. Class readings two hours a week throughout the year: Dickens' Tale of Two Cities, Coleridge's Ancient Mariner, Lowell's Vision of Sir Launfal, Bryant's Thanatopsis, Longfellow's Hiawatha, Whittier's Snowbound, Holmes' The Berbered Nautilus, Old Ironsides, and One Hoss Shap. Home readings: Franklin's Autobiography, Cooper's last of the Mohicans, Hawthorne's Twice Told Tales, Parkman's Conspiracy of Pontiac. Mr. Miller.

English C.—English Literature, Fall and Winter Terms. Rhetoric and Composition, Spring Term, three hours a week. Class readings two hours a week throughout the year: Shakespeare's Merchant of Venice, and Julius Caesar, Lamb's Last Days of Elia, Chaucer's Canterbury Tales, Dickens' The Christmas Carol, Burke's Speech on Conciliation. Home readings: Ruskin's The King of the Golden River, Tennyson's The King, DeQuincey's Confession of an Opium Eater, Silas Marner, Homer's Iliad and Odyssey, and Macaulay's Disraeli and Milton. Mr. Miller.

GERMAN

German A.—Essentials of German Grammar, composition and reading of easy prose. Professor Sargent.

German B.—Grammar, German syntax and more difficult composition. Reading of some three hundred pages of prose and poetry from modern writers. Professor Sargent.

FRENCH

Elementary Course.—Thorough drill on the elements of French grammar, pronunciation, dictation, translation of easy English into French, reading of selected short stories. Professor Sargent.

SPANISH

Elementary Course.—Spanish grammar, pronunciation, simple dictation, translation of easy English into Spanish, reading of easy Spanish texts. Professor Sargent.

HISTORY

The student who enters the Academy is supposed to have completed courses in the History of Texas and the History of the United States. The work in History as offered by the Academy, therefore, is limited to three years of required work and one year of elective work, as follows:

(a) *Ancient History* (Myer's Revised), taught the full year, with note books, and library references. Professor Roberts.

(b) *Medieval and Modern History* (Myer's Revised), taught the full year with note books and supplementary work. Professor Roberts.

(c) *Civics*, Fall Term; *American History*, Winter and Spring Terms. Professor Roberts.

(d) *History of England*, full year five hours, may be substituted for Medieval and Modern History.

MATHEMATICS

Mathematics A.—Algebra throughout the year. Elementary course. Mrs. Kinsey.

Mathematics B.—Algebra through the year, A more ad-

vanced course than that offered in Mathematics A. Mrs. E. L. Alexander.
Mathematics C.—Plane Geometry through the year. Prof. Alexander.

NATURAL SCIENCE

The courses in Natural Science in the Academy cover the same ground as do those of the best High Schools. All classes have the advantage of charts, drawings, collections of specimens and excellent laboratory facilities.

(a) To students of the first Academic year there is offered in the Fall Term a course in Physiology; this is followed in the Winter and Spring Terms by a course in Physiography.

(b) To students of the third Academic year there is offered a year of work in Elements of Physics, a constant factor in the laboratory experiments such as are offered by the best High Schools.

UNITS

One hour of recitation daily in any given branch through the session of three terms constitutes one "unit." Fourteen units are required for graduation in the Academy.

SOCIETY WORK REQUIRED

All students who take two or more subjects in the Academy shall be classed as Academy students; provided, such students as are conditional Freshmen, who have completed at least four units of Academy work, may be classed as Freshmen.

It is recommended that the University societies admit no members except University students, and special students have the same standing required of University students.

Specials not having the requirements of University students may become members of the Academy Literary Society.

All Academy students must be active members of the Academy Literary Society, unless excused by the Principal.

SUB-PREPARATORY YEAR

So many students apply for admission to the school who are not prepared to enter the first year of the Academy, that special grade classes will be organized in Arithmetic, Grammar and Orthography.

Outline of Work by Consecutive Years

FIRST PREPARATORY YEAR

DEPARTMENT	FALL	WINTER	SPRING
Classical Language.....	Latin.....	Latin.....	Latin.....
English.....	Grammar and Composition.....	Grammar and Composition.....	Literary Classics.....
History.....	Ancient History.....	Ancient History.....	Ancient History.....
Mathematics.....	Algebra.....	Algebra.....	Algebra.....
Natural Science.....	Physiology.....	Physiography.....	Physiography.....

SECOND PREPARATORY YEAR

DEPARTMENT	FALL	WINTER	SPRING
Classical Language.....	Latin or Greek.....	Latin or Greek.....	Latin or Greek.....
English.....	Elementary Rhetoric.....	Elementary Rhetoric.....	Literary Classics.....
History.....	Modern History.....	Modern History.....	Modern History.....
Mathematics.....	Algebra.....	Algebra.....	Algebra.....

THIRD PREPARATORY YEAR

DEPARTMENT	FALL	WINTER	SPRING
Language.....	Latin, Greek or Mod. Lang.....	Latin, Greek or Mod. Lang.....	Latin, Greek or Mod. Lang.....
History.....	Civics.....	American History.....	American History.....
English.....	English Literature.....	Rhetoric.....	Rhetoric.....
Mathematics.....	Plane Geometry.....	Plane Geometry.....	Plane Geometry.....
Natural Science.....	Elementary Physics.....	Elementary Physics.....	Elementary Physics.....

Miscellaneous
Information

I

A BRIEF HISTORY OF THE UNIVERSITY

In the fall of 1869, during the period of reconstruction in Texas after the Civil War, Addison Clark and Peter Smith opened a private school in the village of Fort Worth. A few months later, the place of Peter Smith was taken by Randolph Clark, a brother of Addison Clark, and the school was conducted by these two brothers until the spring of 1873.

In the fall of 1873, these brothers removed this private school to Thorp Springs, Texas. The new institution was, almost immediately afterward, chartered under the name of Add-Ran College. The character and ability of these teachers, together with the solid worth of the instruction and general advantages offered, attracted an appreciative and increasing patronage. To meet its demands, the modest plans of the beginning were enlarged and more ample buildings were erected; of right, the enterprise flourished.

In 1889 Add-Ran College became the property of the Christian Churches of Texas, the name being changed to Add-Ran Christian University. It continued, however, under the immediate direction of the Clark brothers, maintaining its reputation for scholarly influence, and proving itself to be, even more than before, an institution for which men and women counted it a glory to live lives of devoted self-sacrifice.

In 1895 it was determined to remove the University from Thorp Springs to a more advantageous location, where the life of some city might enlarge the opportunities for culture afforded to the student, and from which the institution might more effectively reach the State at large. Waco was favorably considered. An educational movement on the part of the Methodist Church had established Waco Female College. Financial conditions not being such as to warrant continuance of the enterprise, the property was transferred to the Christian Church. On Christmas Day, 1895, the change of location was formally made.

For a time after its removal, the growth of the University was retarded by such losses and adversities as of necessity attend all transplanting. But with steadfast faith a few heroic

souls, chief among whom should be mentioned Thornton E. Shirley, carried forward the work of establishing the institution amid its new surroundings. Their faith and their labors were not unrewarded. Slowly, indeed, but nevertheless surely, the old life, becoming adjusted to the new environment, pulsed with greater and ever greater vigor, until it is now abundantly manifest that the spirit that gave "Old Add-Ran" its splendid integrity of character is dominating the activities of the institution as it advances to possess its larger heritage.

The name "Texas Christian University" was adopted in 1902 to suit the enlarged purposes and work of the school, while the name "Add-Ran" with its multitude of historic associations was retained as the designation of the College of Arts and Sciences, the central college of the University.

The burning of the main building, March 22, 1910, together with a liberal offer of money and site by the citizens of Fort Worth, afforded an opportunity to remove the University to a city larger and nearer to the center of patronage.

In going to Fort Worth, Texas Christian University possesses the advantage of contact with a center of trade and influence for the whole Southwest.

The institution is now entering upon a campaign for one million dollars of productive funds, with every indication of success.

T. C. U. has had four presidents: Addison Clark, E. V. Zollars, Clinton Lockhart, and the present incumbent, Frederick D. Kershner.

II

LOCATION, BUILDINGS, GROUNDS

Fort Worth is one of the most rapidly growing cities of Texas, and one of the largest, most substantial and most prosperous centers of trade and thought in the whole Southwest. The city is well built, well paved and thoroughly up-to-date. As a railroad center of note, it is easily accessible from all quarters. It is well drained, has an abundant supply of the best artesian water; and statistics show that it is one of the most healthful cities in the Union. Before all things else, perhaps, it is a good residence city. Beautiful homes and well-kept lawns and streets

testify to the character and taste of its citizens. Its public educational facilities are excellent; in addition it has many private schools and several institutions of higher learning. Without doubt, it is the greatest educational center in the State.

The University is situated on an elevated location in one of the southern suburbs, about two and a half miles from the Union Station. It is, thus, so removed from the smoke and bustle of the city as to have all the healthfulness and freedom of the country; yet through its connection by electric car line with the down-town district it is a matter of only a few minutes' ride to reach the business center of the city. The campus comprises some fifty acres of land, all of which is to be platted and adorned by a landscape artist. The buildings are tastefully disposed and constructed according to a suitable and uniform style of architecture. The elevation affords a commanding view of the city beneath and large vistas of the surrounding country.

Thus fortunately situated, Texas Christian University offers the advantages of both country and city life, the disadvantages of both being eliminated. It is a location that cannot be surpassed.

ADMINISTRATION BUILDING

The Administration Building is a massive four-story structure, built of re-enforced concrete throughout, and is absolutely fireproof. Floors, ceilings, staircases,—all parts of the building except doors, windows and facings for them, are completely incombustible. The style of architecture is severely classical, and is entirely in keeping with the high ideals of the school. The dimensions of the building are 200x135 feet.

The first floor contains class rooms, the dining hall and kitchen, toilet rooms, store rooms for various purposes and laboratories for biology and geology. The dining room is seventy feet long by fifty feet wide, and will seat five hundred people. The class rooms are splendidly equipped throughout with the latest apparatus and furniture.

The second floor contains the chapel, office rooms, library, class rooms, and laboratories for physics and chemistry. The equipment of the science rooms is thoroughly up-to-date, and the student has no lack of opportunity for securing adequate

information through experimental methods. The chapel is one of the finest in the South. Its dimensions are ninety by fifty feet. The platform is thirty-six by thirty feet in size, and is well equipped with dressing rooms on the wings. The acoustic properties of the chapel are excellent, and the seating capacity, counting gallery space, is over one thousand.

The third floor is devoted to class and recitation rooms throughout, and it is safe to say that no more suitable and complete equipment for class room or lecture work is to be found in any institution in the land. A notable feature is the addition of a private office to each department class room for the use of the professor in charge. The rooms, all of ample size, are well heated and lighted, and are provided with the most approved furniture.

The fourth floor contains the Department of Fine Arts, including Music, Painting and Oratory; the Business College; and the halls for the literary societies. The Music Department is equipped with new Knabe pianos, and has splendid practice and instruction rooms. The Business College is allotted ample space and is also well furnished. The literary societies have beautiful halls. The liberality of the alumni will doubtless give these halls the equipment to which they are entitled. All in all, in the Administration Building, Texas Christian University has a work-shop worthy of her ideals and unexcelled in facilities for producing that culture which is the object of the school.

JARVIS HALL

The new dormitory for young ladies is beautiful in form and finish, and is an exquisite product of the builders' art. Severely in harmony with the general plan adopted for the group of University buildings, its classic grace and dignity are not only restful to the eye, but are also an inspiration to noble thought and life. Like the Administration Building, it is constructed of re-enforced concrete throughout, and is therefore absolutely fireproof. A fire could be kindled on the floor of any room without harming the building in any respect aside from blackening the door facings and walls, and cracking the glass of the windows. The building contains eighty rooms of ample size. Each room has two closets, water and electric lights, and is equipped

with the most up-to-date furniture. The parlors on the lower floor are spacious and beautifully furnished. The building is heated throughout by steam, and every modern convenience to be found in a first-class hotel is provided. Thoroughness and comfort without extravagance is the guiding principle everywhere. Jarvis Hall was named for Major and Mrs. J. J. Jarvis of Fort Worth. It is 175 feet long by 45 feet wide.

GOODE HALL

Goode Hall, so named because of the liberality of Mrs. M. A. Goode of Bartlett, Texas, who was one of the principal donors to the building fund, is a substantial structure 130x40 feet, built of re-enforced concrete throughout, and therefore like the other buildings on the campus absolutely fireproof. The style of architecture is classical, and harmonizes with the Administration Building and the Young Ladies' Home. Like the other buildings, Goode Hall is heated by steam from a central plant, and is lighted by electricity. It contains fifty-four living rooms, besides lavatories, dining hall, kitchen, and the plant of the University Print Shop. The building is designed especially for ministerial students, and affords an opportunity for securing room and board at an exceptionally low cost, the dining room and kitchen being placed at the disposal of the Ministerial Boarding Club. Ministerial quarters in most schools lack in efficiency and comfort what they gain in economy. This is not true, however, at T. C. U. Goode Hall is, in every respect, a credit to the institution and to the work which it represents.

CLARK MEMORIAL HALL

A three-story concrete building, very similar in many respects to the Girls' Home, is now being erected for young men in honor of the two brothers, Addison and Randolph Clark, founders of the institution. It is to have equal conveniences and equipments with the other buildings. It will accommodate one hundred and fifty students. The cornerstone was laid, with appropriate exercises, June 12, 1912.

HEATING PLANT

The University owns and operates its own heating and light

ing plant. From one set of boilers steam is conducted to all the University buildings, and every room throughout is thus heated by steam. In connection with the boilers of the heating plant, a dynamo is operated, by means of which all the buildings on the campus have electric light service.

LABORATORIES

The laboratory facilities of the University afford opportunity for individual experiment and investigation in the fields of Chemistry, Physics and Biology. The aim is to give the student such a first-hand acquaintance with the facts in connection with the subject of study that he may be led to a direct comprehension and immediate knowledge of the laws of nature involved. In each of the laboratories provision is made for carrying out, in full, the courses outlined for its respective department. The advanced courses in Physics are concerned chiefly with matters of quantitative measurement. The biological laboratory, in addition to the apparatus necessary for satisfactory handling of fresh material—much of it may be collected in the immediate vicinity—has in alcoholic preservation a collection of specimens selected with reference to a comprehensive study of the differences as well as the resemblances of many forms of life, from the study of which the student may obtain an intelligent view of the important subject of classification.

III

GOVERNMENT AND ORGANIZATION

When Add-Ran University became the property of the Christian Churches in Texas, delegates from the associated churches assembled in convention, elected a Board of Trustees, each to hold office four years, that should, in the name of the church, control the affairs of the institution. This Board was made self-perpetuating, the term of office for part of the membership expiring each year, the remaining members filling the vacancies by election, provision being thus made for a change of the personnel of the whole Board every four years. The functions of the Trustees were, and are, to provide what in their judgment

may be necessary for the effective working of the school, to meet, in as far as financial conditions may warrant, the demands of its growth and enlargement, and to govern either mediately or immediately the institution committed to its charge. Associated with the regular Board, and sharing more or less in the responsibilities, is an Advisory Board, elected or re-elected annually by the Executive Board.

The immediate government of the internal affairs of the University the Trustees have delegated to a President and Faculty, whose functions and powers are such as usually appertain to Presidents and Faculties in similar institutions. The Trustees, however, reserve to themselves the supreme authority in all things.

In the organization of the University the same principles have been observed as obtained in the organization of the institution at the beginning. Texas Christian University is an association of schools and colleges under one management, directed to one common purpose. To a certain extent they are independent of one another; each has a distinct function, yet all partake of, and contribute to, the life and work of the University.

IV

LIBRARY AND READING ROOM

A large room—24x36 feet—on the ground floor of one wing of the Main Building is used as a library and reading room. It is admirably suited to this purpose, being well lighted and ventilated. Already since the fire a large number of books and magazines have been collected, and other additions will be rapidly secured. The Library Association is planning to purchase at once the leading new books for each department. Though for a time the library will not be large, it will be at least up-to-date. This will greatly enhance its value and usefulness as a college working library.

Students in the more advanced classes are sent to the library to consult reference books and to do collateral reading. The Dewey system of cataloging is used, which renders it the more

serviceable. The leading periodicals are kept on file, giving the student opportunity to inform himself of current events. The library is freely used by an increasingly large number of students. It is open from 8:30 a. m. to 5 p. m., and is in charge of a professional librarian.

The Carnegie Library of the city of Fort Worth, a large and splendid collection of books, is also easily available to students of the University.

V

STUDENT PUBLICATIONS

THE BULLETIN

The bi-monthly periodical is the official medium of communication between the school and its friends. The May number is the annual Catalogue. The other numbers contain announcements; past and future happenings of interest to the patrons; news of Faculty changes, of the work of the churches for the school, the progress of Education Day, plans, improvements, etc. It is well filled with facts that the people ought to know, and told in a style readable and interesting.

The Bulletin will be mailed regularly to every friend who will indicate a desire for it. The University desires to keep its friends informed of its progress.

Besides *The Bulletin* and other matter issued by the University authorities, two periodicals reflecting the inner life and various activities of the school are published by the students: *The Skiff* and *The Horned Frog*.

THE SKIFF

A weekly publication, popular in character, giving the news of the institution. The paper is growing in favor, and has one of the largest lists among college papers in the State of Texas.

THE HORNED FROG

This is the College "Annual," and comes from the press near the close of the session. It is a neat book of some two hundred

pages, reflecting all sides of college life from its more serious phases to the jokes and pranks which grow out of warm friendship and good will. It is the one publication which the student feels he must take home with him. It serves as the best exhibit he can make to his friends of the inner life of the school, and in years to come it revives the most delightful memories of his college experiences.

THE MICROBE

The Medical College students also publish an excellent monthly journal known as the *Microbe*. It is one of the best college publications of its class.

VI

STUDENT ORGANIZATIONS

ORATORICAL ASSOCIATION

The purpose of this association is to promote oratory in its best sense among its members, and, as far as may be, throughout the school. All oratorical contests are under its supervision, and it elects delegates to the State Oratorical Association, of which it is a member.

UNIVERSITY CHURCH

Regular Sunday services are held in the Chapel for the benefit of teachers, students and neighbors of the University. Every effort is made to encourage the religious life of the students.

SUNDAY SCHOOL

Every effort is put forth to make the University school a model Sunday School. Most of the classes are taught by members of the Faculty, men and women who are well equipped for the work. Practically every student in the University is a member of the Sunday School.

STUDENTS' VOLUNTEER BAND

The band is composed of young men and women who are preparing for work in the foreign field. They have expressed

a willingness to go wherever the Foreign Board may deem best to send them. They meet weekly for the purposes of devotion, for intelligent study of the mission fields and for increasing missionary interest.

Y. M. C. A.

Since its organization at Texas Christian University the Y. M. C. A. has been an important factor in college life. It has taken a firm hold on religious affairs, and has been helping in every Christian work and in deepening spirituality among the students. The work of the Y. M. C. A. is undenominational. Its object is to promote spiritual growth, fellowship and strenuous Christian living among the men.

The Association meets once a week for practical purposes and to consider questions of practical work among the students.

Y. W. C. A.

This organization fills a place among the young women similar to that of the Y. M. C. A. among the young men. During the past year it has been especially active and has accomplished much good.

THE MINISTERIAL ASSOCIATION

The Ministerial Association is an organization composed of students preparing for the ministry. It meets every Friday evening. Discussions of themes related to practical church work, sermons, etc., are held at these meetings. Occasional addresses are given by visitors. In this organization the more mature ministers assist the younger ones in obtaining work among the churches, and render all possible help in various other matters.

LITERARY SOCIETIES

The University maintains five literary societies, the Addison and the Shirley for college young men, the Clark and the Trotter for the college young women, and the Roberts for preparatory students. These societies have their own halls, and from time to time render public programs. Their work is of the highest class.

VII

PRIZES

SOCIETY PRIZES

1. *The T. E. Shirley Prize.* The former President of the Board of Directors offers annually a \$20.00 gold medal to the student in the Shirley Society making the best grade in scholarship and general work.

2. *The J. T. McKissick Prize.* Mr. McKissick offers \$10.00 to the best worker in the Add-Ran Literary Society.

3. *Van Zandt Jarvis Prize.* A \$10.00 gold medal is given to the best worker in the Walton Literary Society.

4. *Judge E. H. Smith Prize.* A cash prize of \$50.00 is awarded for the highest average in the Department of Chemistry.

In order to compete for this prize the student must be enrolled for at least one full course (12 hours), *i. e.*, four hours per term for three consecutive terms, in the Department of Chemistry, and an additional amount sufficient to aggregate 14 hours per term, or 42 hours per session.

THE MABEL SMITH DIAMOND MEDAL

Miss Mabel Smith, of Fort Worth, of the class of 1911, offers a \$100.00 diamond medal to the successful contestant for the honor of representing Texas Christian University in the Inter-Collegiate State Oratorical Contest.

SCHOLARSHIPS

One free literary scholarship is awarded to the student making the highest record in the Senior Academy class, and in each class of the College of Arts and Sciences. In making this award, proper account is taken of the student's general bearing and conduct.

HIGH SCHOOL SCHOLARSHIP

A free literary scholarship is given to the honor graduate of any High School that is affiliated with the Texas Christian University.

A LOAN SCHOLARSHIP

A friend to the institution authorizes two scholarships of \$125.00 each to two students nominated by the Faculty.

MALCOLM H. REED ORATORICAL PRIZE

Mr. M. H. Reed, of Austin, Texas, offers a beautiful gold watch to the winner of an inter-society oratorical contest. This contest has become one of the features of commencement week.

GOUGH TROPHY

The Gough Trophy is a beautiful cup given by Dr. R. I. Gough to the society standing first in a series of inter-society contests.

MEDICAL COLLEGE PRIZES

THE BURTS GOLD MEDAL

Awarded by the Faculty of the Medical College, in memory of the late Dr. W. P. Burts, formerly Professor of Obstetrics at the college. It will be presented to the first course student who receives the highest grades upon the work of the Freshman Class.

SECOND YEAR PROFICIENCY PRIZE

Will be presented to the second year student in the Medical College who receives the highest grades upon the work of the Sophomore year. It consists of a selection of medical books valued at \$25.00.

THIRD YEAR PROFICIENCY PRIZE

To the Junior student passing the best final examination in the branches of the third year, a selection of medical books valued at \$25.00.

GENERAL PROFICIENCY PRIZE

This is awarded only to students who have taken all of their courses in this school, and is presented to the student making the highest percentage during the four terms necessary to graduation. It will not be awarded except to students whose general average on final examinations is 90 per cent or over. Grades made in special or private examinations will not be considered. The prize is a handsome gold medal.

THE DEGREE CUM LAUDE

The degree of Doctor of Medicine, Cum Laude, is conferred upon the students of marked ability and high moral character who shall have made an average of 90 per cent or more on all final examinations in all branches of the four-year course in this institution. Grades made in special or private examinations will be considered.

VIII

RULES AND REGULATIONS

MORALS AND DISCIPLINE

It sometimes happens that students, away from home for the first time and free from paternal authority and the restraining influence of home life, retrograde morally. Usually, we may add, the tendencies under changed conditions depend largely upon the stability of character as established by home training. The Faculty of Texas Christian University is pledged to make the morals of students a matter of prime concern.

Certain guiding principles are observed in administering the discipline of the school. These are held as fundamental and necessary in maintaining strong, consistent discipline. On the one hand, we recognize that right motive is the chief element in conduct, that self-discipline is the best of discipline, that the subtler influences of a healthful atmosphere and of a correct school sentiment must constitute the chief reliance for good government. On the other hand, there is a place for the strong arm of authority, and it will be exercised promptly and without apology when occasion demands.

The discipline proceeds upon the assumption that the students are gentlemen and ladies who are actuated by high motives and lofty ideals. They are not treated as children, but rather as young men and women who are responsible in large measure for their own conduct. They are not burdened with many rules but each one is expected to be a law unto himself, because he has arrived at the age when he is governed on the high ground of principle. A few regulations are intended chiefly as reminders of matters of propriety that grow out of the common life as a University that might be otherwise overlooked, even by well-meaning students.

Every effort is put forth to make the students' surroundings ideal by fostering the best influences. They are carefully guarded against the allurements of the city. Younger students will not be allowed to visit the city without permission, which will be withheld unless a good reason is offered. Standing accounts must not be contracted with merchants. In this respect the co-operation of parents. Do not allow students an unnecessary amount of spending money.

Students finding it necessary to be out of the city must obtain leave of absence from the Dean.

Any student desiring to withdraw from the institution before the time for which he matriculated has expired, must report to the Dean before withdrawal.

The spirit of the school is thoroughly democratic. No secret societies are allowed. Hazing is positively forbidden. Character and conduct, not clothes and money, determine the students' standing. Those working their way stand as well as any, if they are in other respects deserving. The students who are earning their way by doing janitor or dining-room service are usually among the best of students.

By a resolution of the Faculty adopted in 1911-12, every young man entering the University is required to sign a statement before matriculation to the effect that he will abstain from class rushing or hazing while a student in the institution.

ROOMING IN THE COLLEGE BUILDING

All students, male and female, are required to room in the college buildings, except by special consent.

dents will not be received who board or room in private homes without special permission. No student will be matriculated who disregards this ruling of the Board of Trustees. The financial needs of the school are such as to demand the full support of every patron—and every patron will receive fair compensation. Although frequent changing of rooms is discouraged, the Faculty reserves the right to make such changes at any time as may be deemed best.

IX

ATHLETICS

Believing that physical exercise is essential to mental development and that healthful sports tend to increase college loyalty, the University at all times encourages the student to participate in college sports and exercises for the purpose of fostering his physical man. A professional physical director is employed by the Board of Trustees who is thoroughly abreast of the times in all forms of indoor and field athletics. His work among the students is one of the valuable feature of the school. The young women have daily exercise.

The athletic association has done much to develop an enthusiastic interest in athletic sports. Under its direction tennis clubs are organized with several courts. Football and baseball teams are organized and trained. For several seasons the baseball team held the State college championship.

The following rules governing the intercollegiate games will be strictly enforced:

1. Students must maintain satisfactory standing in their classes, must have entered by the dates set by the State Association, must not have played on a college team as many as four years, and must be carrying as many as twelve hours a week in literary work, in order to hold a position on any University team.

2. The games away from Fort Worth are limited to three trips in the fall and three in the spring term.

3. A professor chosen by the Faculty must in all cases accompany the team when they go away to play.

4. A student must maintain gentlemanly speech and conduct

on the home grounds and abroad, and must play honorably and fairly, or lose his place in the team.

X

ENDOWMENT

The Board of Trustees are practicing the most rigid economy compatible with efficient work; still they are greatly hampered by lack of money. The possibility of permanently doing real college work without endowment is no longer entertained by those who are conversant with the necessities of a modern college in the matter of men and equipment. If the question of endowment is not pressed in the immediate future, it must not be understood that its necessity is not recognized. It will follow immediately upon the adjustment of other matters which of right should precede it. In the meantime any contribution to the endowment fund will be most thankfully received, and accordingly set apart for any special department indicated by the donor.

FORM OF BEQUEST

The following form should be used by persons desiring to bequeath property to the University:

I hereby give and bequeath to Texas Christian University located at Fort Worth, County of Tarrant, State of Texas, the sum of.....dollars, to be used (state for what, if any, particular purpose, it is to be used; if the bequest is real estate it should be carefully described in particular about conforming to the laws of your State).

L. C. BRITE BIBLE CHAIR

Through the liberality of Mr. L. C. Brite, of Marfa, Texas, the English Bible Chair in the University is now endowed with the sum of twenty-five thousand dollars.

HUBBARD ENDOWMENT FUND

As the catalogue goes to press, we are informed that Mrs. Mary J. Hubbard, of Celina, Texas, has contributed fifty thousand dollars to our endowment fund, the same to constitute the Hubbard Foundation.

XI

EXPENSES*

TUITION

	Fall Term.	Winter Term.	Spring Term.	Single Month.
College of Arts and Sciences.....	\$24.00	\$18.00	\$18.00	\$ 7.00
The Academy	24.00	18.00	18.00	7.00
College of Fine Arts:				
<i>Music</i> —Piano under the Director... 50.00	37.50	37.50	13.00	
Piano under Mr. Techau..... 36.00	27.00	27.00	10.00	
Piano under Miss Ault..... 36.00	27.00	27.00	10.00	
Violin 40.00	30.00	30.00	11.00	
Voice 40.00	30.00	30.00	11.00	
Sight Singing 8.00	6.00	6.00	3.00	
Harmony, private lessons 28.00	21.00	21.00	8.00	
Harmony, class 16.00	12.00	12.00	5.00	
Normal course in piano..... 12.00	9.00	9.00	3.00	
<i>Oratory</i> —Private lessons 32.00	24.00	24.00	9.00	
<i>Art</i> —Painting and drawing 28.00	21.00	21.00	8.00	
China painting 32.00	24.00	24.00	9.00	
College of Business:				
Complete course in Accounting, Banking, Commercial Law and Typewriting 25.00	20.00	20.00	8.00	
Complete Stenographic course, Typewriting and Commercial Law 25.00	20.00	20.00	8.00	
Both the above courses combined 30.00	25.00	25.00	9.00	
Typewriting alone 4.00	3.00	3.00	1.25	
Banking alone, complete course 10.00	
One hour daily in above courses 8.00	6.00	6.00	2.50	
College of the Bible:				
Complete tuition for the year.. 25.00	

*Please read PAYMENTS—SPECIAL NOTICE on next page.

FEES

Fees—Matriculation fee, paid by all students, \$12.50 for the year.

Piano practice, \$1.50 per month for each hour per day.

Piano practice, unlimited time, \$5.00 per month.

Typewriter rent, \$1.50 per month or \$5.00 for the Fall Term and \$3.75 for each of the others.

Adding Machine rent, \$2.50.

Laboratory Fees:

Chemistry \$5.00 per term

Biology 4.00 per term

Physics 3.00 per term

Geology 2.00 per term

Each student in Chemistry is required to make a deposit of \$5.00 to cover breakage. At the end of the year this deposit less the amount of breakage will be refunded.

BOARD AND ROOM

	Fall Term.	Winter Term.	Spring Term.	Single Month.
Board	\$56.00	\$42.00	\$42.00	\$15.00
Room rent	24.00	18.00	18.00	6.00
Room rent, ministerial students in Goode Hall	12.00	9.00	9.00	3.00

Ministerial students in Goode Hall Boarding Club pay actual cost of club board assessed among members.

The tuition fees in the College of Arts and Sciences and the Academy for ministerial students and children of ministerial students solely dependent upon the ministry for support are \$2.50 per month.

Half time students are charged 60 per cent of full rates.

The fees in the College of the Bible for the year are payable in advance and no fee is refunded.

The matriculation fee covers all University charges for use of library, athletic director, and physical culture.

ESTIMATE OF TOTAL EXPENSES FOR THE YEAR

Tuition, College or Academy	\$ 60.00
Board and room	200.00
Matriculation	12.50
Books, laundry and incidentals	25.00
	<hr/>
Total	\$297.50

Music students should add from \$90.00 to \$200.00 to the above, according to courses selected. Ministerial students need not expend over \$175.00 per year for everything.

DISCOUNTS

Students in special departments may take studies in the Literary Department at \$5.00 each for the Fall term and \$4.00 for the Winter or Spring term, or \$1.50 per month. Students taking full work in two special departments or double work in one special department or two students from one family will receive 10 per cent discount on tuition. For full work in three or more special departments 20 per cent discount in tuition will be allowed.

Students having paid board for the term in advance who leave before the end of the term because of sickness will be charged board at the monthly rate for the time up to and including the week of withdrawal, and the balance paid will be refunded. Tuition and entrance fees are not refunded. No student is received for less than one term without previous agreement.

All privileges of the school are open to students during the Christmas holidays except class room work.

A WORD WITH PARENTS CONCERNING EXPENSES

Sometimes parents complain that it costs too much to send their children away to school, but generally this complaint grows out of the unnecessarily extravagant habits of students, which are permitted by parents. Students write home for money and parents respond when often it would be far better to refuse the request. Inexperienced boys and girls are very poor judges of the amount of money they need for spending, and some fritter away considerable sums in worse than needless ways. Money

should be deposited with the school, and it will be paid out as ordered by the parent. Parents should not permit students to run accounts in the city and complain of the bills from the University.

PAYMENTS—SPECIAL NOTICE

The Trustees have ordered that the accounts of a student for tuition, fees, board, room and supplies for each term must be paid at the time of enrollment, or otherwise he cannot hold a place in any class or department of instruction. It is ordered that all business of the University be placed upon a strictly cash basis. Patrons who are unable to procure commercial endorsement from their friends must pay cash.

EXPENSES IN THE MEDICAL COLLEGE

The wide range between actually necessary expenses and the amount one might spend in a medical course precludes exactness in preparing a statement of this kind. The figures given below were based upon the experience of a large number of students. A little more liberal expenditure of money will secure better accommodations, but for the figures used in this estimate wholesome food and comfortable lodgings can be obtained. The tuition, \$100.00, one-half of which is payable at the opening of school and one-half at the beginning of the second semester, is the same for all students and is uniform for each of the first two years of the medical course.

ESTIMATE OF EXPENSES

Matriculation fee (paid but once)	\$ 5.00
Tuition for term of thirty-two weeks	100.00
Board and lodging for thirty-two weeks	130.00
Laundry	25.00
Incidentals	45.00
Total	\$305.00

No allowance is made in this estimate for the purchase of text-books. Every student, in making his financial arrangements at home, should provide himself with means to purchase one of the recommended texts for each of the branches he expects to study, and should purchase them at the time of matriculation. It is not infrequent that poor grades are directly traceable to the want of necessary books, made doubly essential since the method of teaching by lectures has given way to recitations.

LABORATORY FEES

Students are required to deposit with the Registrar the following laboratory fees, the whole or a part of which is returnable in case of material unused or apparatus returned: Osteology, \$2.00; Chemistry, \$3.00; Pharmacy, \$4.00; Bacteriology, \$5.00; Histology, \$5.00; Pathology, \$5.00.

BOOKS IN SCHOOL OF MEDICINE

The following is a conservative estimate of the amount of money usually spent for text-books, all of which may be obtained of Mr. D. J. Saunders, at the Dean's office:

Freshman Year	\$40.00
Sophomore Year	22.00
Junior Year	40.00
Senior Year	55.00

FEES FOR EXAMINATION IN SCHOOL OF MEDICINE

No fees are charged in this school for examination, except the finals in the fourth year. Students applying for graduation are required to pay an examination fee of \$25.00, which is not returnable in case applicant fails to pass. No fee will be charged for diploma.

FEES IN SCHOOL OF PHARMACY

Matriculation	\$ 5.00
General Lecture and Laboratory Ticket:	
Junior Year	60.00
Senior Year	60.00
Graduation Fee	15.00

A deposit of \$10.00 will be required to cover cost of drugs, chemicals and materials used in pharmacy laboratory work; a deposit of \$3.00 for chemical laboratory work; also \$1.00 for laboratory fee in botany and vegetable histology.

XII

STATEMENT OF THE RELATION OF AFFILIATED HIGH
SCHOOLS AND ACADEMIES

It is recognized that the definite affiliation of secondary schools with the colleges brings valuable advantage all around; to the pupils in the readiness of passing from one school to the other, to the High School in securing a standardized course, to the College in receiving prepared matriculates, and to the general spirit of education in directing an increasing number to a higher grade of training. Hence it is the desire of the management of Texas Christian University, not only to arrange definite affiliation with High Schools and Academies, but it is their hope also to be able to co-operate with all the institutions, standardizing the courses and elevating the ideals of the general public in educational matters.

The movement for the adoption of a general standard of College entrance requirements is one of progress. In accord with it, the Faculty of T. C. U. has announced that hereafter the entrance requirements will be expressed in terms of "units" instead of "credits" as heretofore; and that 14 units will be required for entrance into the Add-Ran College of Arts and Sciences. It is the fixed purpose to maintain the requirements and that a standard college course and degree be given.

1. Schools will be affiliated by subjects. Affiliation in any subject means that the school prepares its graduates to enter the Freshman year in that subject. The scope of work covered in such case may be seen by reading the outline of the courses for the Academy in this Bulletin.

2. Schools to be in *full affiliation* must prepare the students in a sufficient number of subjects to aggregate 14 units. They will then be admitted to the Freshman Class without condition. If optional courses are offered by such a school, a certificate should be furnished each student showing what courses have been actually completed.

3. *Partial affiliation* is granted to schools that are accepted in the subjects: English, 3; Mathematics, 3; History, 2, or more. Pupils from such schools will make up their remaining credits in the classes of the Academy, which can be done very conveniently.

4. While schools below this standard may not be recognized as affiliated at all, they may arrange to enter their students in the classes of the Academy at the proper point, by sending certificates showing the standing of the pupil.

5. *To Obtain Affiliation.*—If affiliated with the University of Texas, a school is accepted without further evidence, and will be put on our list, after writing a letter stating the desire, or filling out our blank.

Other schools will be furnished application blanks, on request, and when the courses described by these are approved, specimen papers may be called for, and a visit made to the school.

No school of this class is expected to be accepted without a visit from our representative.

6. Below is a table of the values attached to the various subjects when prepared up to the point indicated by the course outlined for our Academy, which conforms to that which is standard among colleges.

For Freshman standing a pupil must present 14 units, of which the following are prescribed: English, 3; Mathematics, 3; History, 2; Physics, 1; Foreign Language, 3 (of which 2 must be an ancient language).

English	3
Mathematics	3 or more
History	2 or 3
Latin	3
German	2
French	2
Spanish	2
Greek	2
Physics	1
Chemistry	1
Physiography	$\frac{1}{2}$
Physiology	$\frac{1}{2}$
Civics	$\frac{1}{2}$
Botany	1
Zoology	1

Where courses are carried beyond the specified advanced extra credit will be given.

All those High Schools in the State of Texas that are affiliated with the State University, partially or fully, are to the same extent considered in affiliation with Texas Christian University. Hereford College and Midland College are correlated with the University by organization and arrangement of courses of study. Any affiliated High School is entitled to a free scholarship for the graduate of highest grade each year, good for literary studies during the following session of the University.

The following schools are affiliated in full or in part with Texas Christian University, but this list was completed too late to get these schools carefully classified, with reference to credit allowed, before going to press.

LIST OF AFFILIATED SCHOOLS

- Abilene High School, Abilene, Texas.
Alvarado High School, Alvarado, Texas.
Alice High School, Alice, Texas.
Ball High School, Galveston, Texas.
Ballinger Hill School, Ballinger, Texas.
Beaumont High School, Beaumont, Texas.
Belton High School, Belton, Texas.
Bonham High School, Bonham, Texas.
Big Springs High School, Big Springs, Texas.
Blinn Memorial College, Brenham, Texas.
Bowie High School, Bowie, Texas.
Brady High School, Brady, Texas.
Brenham High School, Brenham, Texas.
Britton's Training School, Cisco, Texas.
Brownwood High School, Brownwood, Texas.
Bryan High School, Bryan, Texas.
Burnett High School, Burnett, Texas.
Caldwell High School, Caldwell, Texas.
Cameron High School, Cameron, Texas.
Calvert High School, Calvert, Texas.
Center High School, Center, Texas.
Coleman High School, Coleman, Texas.
Colorado High School, Colorado, Texas.
Comanche High School, Comanche, Texas.
Conroe High School, Conroe, Texas.
Corpus Christi High School, Corpus Christi, Texas.
Corsicana High School, Corsicana, Texas.
Crockett High School, Crockett, Texas.
Denton High School, Denton, Texas.
Dublin High School, Dublin, Texas.
Dallas High School, Dallas, Texas.
Ennis High School, Ennis, Texas.
Elgin High School, Elgin, Texas.
Fort Worth High School, Fort Worth, Texas.
Gainesville High School, Gainesville, Texas.
Garland High School, Garland, Texas.

- Greenville High School, Greenville, Texas.
Gatesville High School, Gatesville, Texas.
Groesbeck High School, Groesbeck, Texas.
Haskell High School, Haskell, Texas.
Henderson High School, Henderson, Texas.
Hico High School, Hico, Texas.
Hillsboro High School, Hillsboro, Texas.
Houston High School, Houston, Texas.
Houston Heights High School, Houston Heights, Texas.
Hubbard High School, Hubbard, Texas.
Italy High School, Italy, Texas.
Itasca High School, Itasca, Texas.
John C. French High School, Cuero, Texas.
Ladonia High School, Ladonia, Texas.
Lampasas High School, Lampasas, Texas.
Llano High School, Llano, Texas.
Lockhart High School, Lockhart, Texas.
Mansfield High School, Mansfield, Texas.
Marble Falls High School, Marble Falls, Texas.
Marshall High School, Marshall, Texas.
Mart High School, Mart, Texas.
Merkel High School, Merkel, Texas.
McKinney High School, McKinney, Texas.
McGregor High School, McGregor, Texas.
Midland High School, Midland, Texas.
Midland College, Midland, Texas.
Mineola High School, Mineola, Texas.
Mineral Wells High School, Mineral Wells, Texas.
Navasota High School, Navasota, Texas.
Orange High School, Orange, Texas.
Palestine High School, Palestine, Texas.
Paris High School, Paris, Texas.
Pilot Point High School, Pilot Point, Texas.
Plano High School, Plano, Texas.
Port Arthur High School, Port Arthur, Texas.
Quanah High School, Quanah, Texas.
Roswell High School, Roswell, New Mexico.
San Angelo High School, San Angelo, Texas.
San Saba High School, San Saba, Texas.

- San Marcos High School, San Marcos, Texas.
Seymour High School, Seymour, Texas.
Sherman High School, Sherman, Texas.
Smithville High School, Smithville, Texas.
Snyder High School, Snyder, Texas.
Sulphur Springs High School, Sulphur Springs, Texas.
Sweetwater High School, Sweetwater, Texas.
Taylor High School, Taylor, Texas.
Temple High School, Temple, Texas.
Terrell High School, Terrell, Texas.
Troupe High School, Troupe, Texas.
Tyler High School, Tyler, Texas.
Uvalde High School, Uvalde, Texas.
Van Alstyne High School, Van Alstyne, Texas.
Vernon High School, Vernon, Texas.
Victoria High School, Victoria, Texas.
Waco High School, Waco, Texas.
Waxahachie High School, Waxahachie, Texas.
Weatherford High School, Weatherford, Texas.
Wichita Falls High School, Wichita Falls, Texas.
Wolfe City High School, Wolfe City, Texas.
Yoakum High School, Yoakum, Texas.

Graduates
and
Matriculates

DEGREES CONFERRED, 1912

MASTER OF ARTS (A. M.)

Albert J. Cruzan, A. B., Texas Christian University, 1910.

BACHELOR OF ARTS (A. B.)

Odessa Allison	Frances Henderson
Vier Allison	Bess McNeill
Mabel Baldwin	Carl Melton
Herbert Bozeman	Daisy Morrow
N. C. Carr	J. J. Murray
Bettie Couch	Will Neis
Milton E. Daniel	Harriette Shirley
Aileen Geiger	Ermine Starkey
Kathleen Gibson	Roy G. Tomlinson
Cullen Graves	G. T. Vickman
Clarence M. Hall	Oscar J. Wise

BACHELOR OF ORATORY (B. O.)

Thomas J. Dean	Juanita Kinsey
W. Clifton Ferguson	Lucile Patterson
Willie Glenn	Roy G. Tomlinson
Frances Henderson	J. Lindley Wood

GRADUATE DIPLOMA IN ORATORY

Mrs. C. I. Alexander, B. O., Texas Christian University, 1911.

DOCTOR OF MEDICINE (M. D.)

Monroe Albert Beckmann	Walter Leggett
Walter Jackson Baze	Bennett Neael Oden
C. E. Boudreau	John Winston Pendleton
Burton R. Carpenter	Theodore B. Reed
Thomas Winfield Dowdy	Walter C. Reinhardt
Douglass Sheares Duncan	Eric W. Stromberg
Earl A. Kester	Webb Walker
John Riley Lewis	W. R. Worthey
Gordon Albert Lillie	

GRADUATE OF PHARMACY (Ph. G.)

James Ernest Carroll	E. S. Reilly
Roy O. Carroll	Renna Mae Smith
W. Taylor George	Henry Houston Terry
P. S. Littlepage	S. Lester Wilson
William L. McKinney	Columbus L. Woods
David E. McNeill	Clyde A. Woodward

GRADUATE NURSE

Stella Holcomb	Elizabeth McCulloch
Clara Turner	

SHORTHAND DIPLOMA

Minnie Lee Frederick	Dorothy Estelle Pollard
Ida Lock	Sarah Gertrude Stewart
Lynette Alice Plumley	Edna Umbenhour

BOOKKEEPING DIPLOMA

R. E. Beal	E. P. Lander
Robert H. Deats	W. B. Lattner
Richard Gentry	Mary Blanche Patterson
B. H. Harrison	Gladys Simpson
Edna Dorothy Hawthorne	Gladys Lucile Strang

ENROLLMENT--SESSION 1911-12

CATALOGUE OF CLASSES*

COLLEGE OF ARTS AND SCIENCES

GRADUATE STUDENTS

Bateman, John

Smith, O. A.

SENIORS

Allison, Odessa

McNeill, Bessie

Allison, Vier

Melton, C. E.

Arnold, W. A.

Morrow, Daisy

Baldwin, Mabel

Murray, J. J.

Bozeman, H. E.

Nies, W. B.

Couch, Bettie

Shirley, Hariette

Daniel, M. E.

Starkey, Ermine

Geiger, Ailene

Tomlinson, R. G.

Gibson, Kathleen

Vickman, G. T.

Graves, T. C.

Wilson, Boyd

Hall, C. M.

Wise, O. J.

Henderson, Frances

JUNIORS

Bussey, C. H.

Miller, Frankie

Camp, B. H.

McFarland, Gordon

Camp, Ray

McFarland, W. S.

Cockrell, J. W.

Odell, Lela

Collins, N. L.

Parks, Ben W.

Evans, J. E.

Riter, Katherine

Dean, T. J. Jr.

Roberts, Mildred

Ferguson, W. C.

Rogers, H. E.

Hackney, Grace

Stewart, Grover W.

Kinsey, Juanita

Triplett, Grady

Lavender, Grady

Wade, Libbie

Lucas, Howard

Wilkes, Lois

Mason, McXie Mae

*This classification must not be presumed to be final in all cases.

SOPHOMORES

Agnew, Johnnie	Mason, Grace
Appleton, Bertis	Moffatt, John
Baldwin, Fannie	Nelson, Ruby
Barnard, Jane	Peacock, Dixon
Bevan, R. C.	Parker, Luther
Brinson, Roscoe	Rawlings, Jno.
Cox, Jno. P.	Roberts, Catherine
Clausell, Fronnie Mae	Simpson, Fred
Cole, Doyle	Stirman, W. B.
Dodd, Catherine	Stiles, Cecil
Duke, Clifford	Street, Alvin
Farmer, Jack	Tomlinson, E. C.
Freeman, Allen	Tennill, Wm.
Helms, Daphne	Tyson, Amboline
Highsmith, Robert	Ware, Bryant
Lattimore, John	Webb, Sue
Livsey, L. L.	Wieland, Emma
Livsey, C. M.	Wood, J. L.

FRESHMEN

Agnew, F. B.	Hills, Alice
Bahan, Mary	Hooper, Chas.
Brotherton, Raymond	Hooper, J. C.
Brown, Willie	Hopkins, T. B.
Buck, Raymond	Hulsey, Mae
Chilton, Katie Mae	Jones, Grace
Couch, George	Jones, Horace
Curby, Quinn	Laird, Ailene
Ewell, Edwin	McKnight, Ewell
Gibson, Ellie	Martin, Elsie
Gibson, Margaret	Martin, Elwood
Gillespie, O. H.	Mershon, Irene
Griffing, Aaron	Miller, Carl G.
Durham, Ruby	Miller, Louie
Hailey, Lucile	Osteen, Preston
Heath, Chester	Perkins, Hallie B.

Reed, Elizabeth
Reeves, Jim
Richards, Lucile
Roberts, Clay
Simpson, Nell

Sloan, W. C.
Wagner, Eloise
Woods, Vista
Wright, Lorena

BUSINESS

Appleton, Nannie
Barnes, Bettie
Barnes, Roy K.
Beal, R. E.
Berger, L. C.
Bohning, G. W.
Brown, Ethel
Brown, A. C.
Brown, W. L.
Brown, Wilbur
Bryson, Bryan
Burch, Albert
Byrnes, Mae Belle
Casey, Doc
Chorn, DeWitt
Conner, Henry
Curby, Quinn
Deats, Robert
Duke, Jim
Frederick, Minnie
Gantt, Ben
Gentry, Dick
Goodlett, N. G.
Hanson, Gertie
Hart, Myrtle
Hardison, U. G.
Harrison, B. H.
Hawthorne, Edna
Hughes, J. R.
Hays, Harley
Irvine, Harold

Jackson, H. M.
Johnson, Perry L.
Kelly, Eugenia
Keithley, C. M.
Kincaid, E. D.
Lander, Paul
Lattner, W. B.
Lock, Ida
Mabry, Joe
Maddox, G. L.
Mars, Bert
Matthews, Cecil
Matthews, W. D.
Matthews, Will
Montgomery, Fred
Montgomery, Judge
Moore, Elmer
Morris, Murrelle
Mullins, R. E.
Ricketts, Claude
McDonald, E. A.
Musgrave, Ruth
Newman, Imogene
Oberhoff, Maude
Owens, Lizzie
Plumby, Lynette
Patterson, Blanche
Pollard, Estelle
Redford, Kate
Spain, Robert
Simpson, Fred

Spinks, E. C.	Tennill, William
Smith, Mrs. O. A.	Vann, Myrtle
Strang, Gladys	Ward, Guy
Stevens, Elizabeth	Watts, B. S.
Taylor, Edward	Webster, Ethel

ORATORY

Alexander, Mrs. C. I.	Gardner, Mrs. E.
Allison, Odessa	Glenn, Willie
Anderson, Mildred	Howard, Vera
Brown, Eula	Kinsey, Juanita
Brown, Wilbur	Lamonica, Tom
Brown, Eula	Melton, Carl
Burry, Katherine	McFarland, G. B.
Camp, B. H.	Miller, Louie
Camp, Ray	Odell, Lela
Cassell, Carrie	Patterson, Lucile
Cole, Doyle	Smith, Mabel
Daniel, M. E.	Tomlinson, E. C.
Dean, T. J. Jr.	Tomlinson, R. G.
Deats, Lorena	Townsend, Bootie
Easley, Edith	Wood, J. L.
Ferguson, W. C.	

MUSIC

Agnew, Johnnie	Easley, Edith
Anderson, Louise	Freeman, Ethel
Barnard, Jane	Fred, Fanny
Biggs, Lena	Fred, Ida
Brown, Ethel	Fred, Lilly
Brown, Eula	French, Evelyn
Braine, Edith	Hailey, Lucile
Cannon, Josie	Helms, Daphne
Chilton, Katie Mae	Hills, Alice
Cobb, Marjorie	Harrison, Lill
Dean, Myrtle	Haywood, Mrs. H.
Dodd, Catherine	Henderson, Elizabeth
Durrett, Edith	Hulsey, Mae

Jackson, Ford
Lace, Beatrice
Mabee, George
Mason, Grace
Mason, McXie Mae
McNeill, Bess
Morris, Murrell
Moore, Willie
Patterson, Lucile
Potts, Edna Mae
Peeples, Mrs. Homer
Perkins, Hallie Byrd

Reed, Elizabeth
Riter, Katherine
Rockett, Mary
Roling, Ruth
Rogers, Bernice
Shirley, Harriette
Spiller, Ruby
Smith, Alice
Smith, Mabel
Wilkes, Lois
Woods, Vista
Wright, Lorena

ACADEMY

C. CLASS

Axtell, Josephine
Bates, Graham
Duke, Jim
Durrett, Edith
Ethridge, Elmore
Floyd, Effie
Gantt, Ben
Geiger, Paul
Hardwick, H. H.
Irby, Alfred
Jackson, Lucile
Johnson, P. L.
Keithley, C. M.
Lines, W. R.
McConnell, Carroll
McGregor, Eugene
Moore, Albert
Mabry, Joe

Owen, Lizzie
Procter, Minnie
Roberts, Mildred
Shankle, Duke
Shannon, Ira
Smith, Emory
Stringer, Myrtice
Strong, Grace
Ward, Guy
Winston, Barlow
Watson, Shelly
Chesney, Robert
Cory, Louise
Harmonson, A. B.
Jones, Florence
Pendery, Luther
Tucker, Rowan

B. CLASS

Appleton, Nannie
 Bates, Joe
 Bohning, G. W.
 Bowen, Milton
 Brown, A. C.
 Burry, Katherine
 Cassell, Carrie
 Craven, Sam
 Goodlett, Newman
 Hackworth, Louis
 Hart, Myrtle
 Henderson, Elizabeth
 Kelly, Eugenia

Porter, J. D.
 Mars, Bert
 Moore, R. D.
 Ricketts, Claude
 Spain, Robert
 Spiller, Ruby
 Stipp, James
 Simpson, Maude
 Vann, Myrtle
 Williams, Noland
 Banes, Roy K.
 Taylor, Newton

A. CLASS

Brown, Eula
 Batton, Edwin
 Chrisman, E. R.
 Cope, F. C.
 Cheek, Oscar
 Couch, Vivienne
 Defee, J. E.
 Harle, Clarence
 Hill, Marvin
 Hooper, J. C.
 Irvine, Harold
 Jackson, Murrell
 Justice, Cameron
 King, Roy W.

Mabee, Geo.
 Matthews, Cecil
 Newton, Ross
 Richardson, Anna
 Roling, Ruth
 Stovall, Willis
 Scott, S. F.
 Snell, Hamp
 Stevenson, E. R.
 Watts, Ballard
 Wilson, E. B.
 Woodruff, H. G.
 French, C. C.
 Crossman, Rodney

SUB CLASS

Bryson, Bryan
 Beltz, Guy
 Beltz, Viola
 Conner, Henry
 Farris, Era
 Montgomery, Fred

Montgomery, Judge
 Newman, Imogene
 Outlaw, M. N.
 Roling, J. O.
 Weddington, Crawford

MATRICULATES*

Agnew, F. B.	Garland, Texas
Agnew, Johnnie	Ravenna, Texas
Alexander, Mrs. C. I.	Fort Worth, Texas
Allen, W. D.	Coleman, Texas
Allison, Mrs. Wilmer	Fort Worth, Texas
Allison, Vier	Fort Worth, Texas
Allison, Odessa	Fort Worth, Texas
Anderson, Ernest	Fort Worth, Texas
Anderson, Louise	Fort Worth, Texas
Appleton, Bertis	Hermleigh, Texas
Appleton, Nannie	Hermleigh, Texas
Axtell, Josephine	Fort Worth, Texas
Arnold, W. A.	Fort Worth, Texas
Bahan, Louise	Fort Worth, Texas
Baldwin, Fannie	Haskell, Texas
Baldwin, Mabel	Haskell, Texas
Banes, Roy K.	Fort Worth, Texas
Barnard, Jno. A.	Dallas, Texas
Barnard, Jane	Sabinal, Texas
Barnes, Bettie	Fort Worth, Texas
Bates, Joe	Fort Worth, Texas
Bates, Graham	Fort Worth, Texas
Batton, Edwin	Denton, Texas
Beltz, Guy	Fort Worth, Texas
Beltz, Viola	Fort Worth, Texas
Berger, L. C.	Fort Worth, Texas
Bevan, R. C.	Fort Worth, Texas
Beal, R. E.	Colorado, Texas
Biggs, Lena	Sabinal, Texas
Blair, Eloise	Fort Worth, Texas
Boger, Alphon	Wichita Falls, Texas
Bateman, John	Eddy, Texas
Bohning, G. W.	Fort Worth, Texas
Bozeman, H. E.	Bartlett, Texas
Bowen, Milton	Fort Worth, Texas
Bradshaw, Clellie	Fort Worth, Texas
Braine, Edith	Sherman, Texas

..*Exclusive of College of Medicine.

Brinson, Roscoe	Timpson, Texas
Brotherton, Raymond	Teague, Texas
Bond, Tom	Fort Worth, Texas
Brown, A. C.	Pottsburg, Texas
Brown, Ethel	Big Springs, Texas
Brown, Eula	Big Springs, Texas
Brown, Will L.	Allen, Texas
Brown, Wilbur	Richland Springs, Texas
Bryson, Bryan	Comanche, Texas
Burgess, Frances	Fort Worth, Texas
Buck, Raymond	Fort Worth, Texas
Burch, Albert	Gainesville, Texas
Burry, Katherine	Fort Worth, Texas
Bussey, C. H.	Hutchins, Texas
Byrnes, Maebelle	Fort Worth, Texas
Camp, B. H.	San Gabriel, Texas
Camp, Ray	Pecos, Texas
Cannon, Josie	Hillsboro, Texas
Carr, N. C.	_____
Casey, Doc	Fort Worth, Texas
Cassell, Carrie	Fort Worth, Texas
Cheek, Oscar	Clint, Texas
Chesney, Robert	Waxahachie, Texas
Chilton, Katie Mae	Goliad, Texas
Chorn, DeWitt	Fort Worth, Texas
Chrisman, E. R.	Fort Worth, Texas
Clausell, Fronnie Mae	Albany, Texas
Clendenen, Holly	Fort Worth, Texas
Coates, Mary	Fort Worth, Texas
Cobb, Marjorie	Fort Worth, Texas
Cole, Doyle	Belton, Texas
Collins, N. L.	Fort Worth, Texas
Cartor, Mary	Fort Worth, Texas
Cope, F. C.	Fort Worth, Texas
Cory, Louise	Fort Worth, Texas
Cox, Jno. P.	Hillsboro, Texas
Couch, Bettie	Italy, Texas
Couch, George	Italy, Texas
Couch, Vivienne	Fort Worth, Texas

Craven, Sam	Fort Worth, Texas
Crawford, Sadie	Alpine, Texas
Crossman, Rodney	Fort Worth, Texas
Cockrell, J. W.	Benton, Ill.
Conner, Henry	Lordsburg, N. M.
Curby, Quinius	Grandview, Texas
Daniel, Milton	Waco, Texas
Dean, T. J. Jr.	Jacksonville, Texas
Dean, Myrtie	Longview, Texas
Deats, Mary L.	Albany, Texas
Deats, Robert	Albany, Texas
Defee, J. E.	Fort Worth, Texas
Dodd, Catherine	Deridder, Texas
Duke, Clifford	Forney, Texas
Duke, Jim	Forney, Texas
Durham, Ruby	Belton, Texas
Durritt, Edith	Fort Worth, Texas
Easley, Edith	Cirleville, Texas
Ethridge, Elmore	Aledo, Texas
Evans, J. E.	Granger, Texas
Ewell, Edwin	Beaumont, Texas
Farmer, M. J.	Colorado, Texas
Ferguson, W. C.	Alpine, Texas
Fields, Charlie	Ladonia, Texas
Floyd, Effie	Fort Worth, Texas
Fred, Fanny	Fort Worth, Texas
Fred, Ida	Fort Worth, Texas
Fred, Lilly	Fort Worth, Texas
Frederick, Minnie	Broken Arrow, Okla.
Freeman, Allen	Santa Anna, Texas
Freeman, Ethel	Santa Anna, Texas
French, Evelyn	Fort Worth, Texas
French, C. C.	Fort Worth, Texas
Gantt, Ben	Fort Worth, Texas
Gentry, Dick	Albany, Texas
Geiger, Aileen	Fort Worth, Texas
Geiger, Paul	Fort Worth, Texas
Gibson, Ellie	Winnshoro, Texas
Gibson, Kathleen	Waxahachie, Texas

Gibson, Margaret	Waxahachie, Texas
Gillespie, Oscar	Fort Worth, Texas
Glenn, Willie	Bonham, Texas
Goodlett, M. G.	Randlett, Okla.
Goodman, Mrs. E. L.	Fort Worth, Texas
Graves, Cullen	Hutchins, Texas
Green, Gussie	Fort Worth, Texas
Gregory, E. L.	Fort Worth, Texas
Gresham, Bewley	Cleburne, Texas
Griffin, Aaron	Crowley, Texas
Hackney, Grace	Wortham, Texas
Hackworth, Louise	Aquilla, Texas
Hagemire, Henry	San Antonio, Texas
Hall, C. M.	Madisonville, Ky.
Hall, Maurine	Fort Worth, Texas
Hailey, Lucile	Forney, Texas
Hanson, Gertie	Big Springs, Texas
Hardwick, H. H.	Aquilla, Texas
Harle, Clarence	Fort Worth, Texas
Harrison, B. H.	Troy, Texas
Hart, Myrtle	Eastland, Texas
Harmanson, A. B.	Justin, Texas
Hardison, Ulna G.	Brady, Texas
Haywood, Mrs. H.	Fort Worth, Texas
Heath, Chester	Pecos, Texas
Helms, Daphne	Josephine, Texas
Henderson, Elizabeth	Coleman, Texas
Henderson, Frances	Fort Worth, Texas
Henderson, Venice R.	Coleman, Texas
Highsmith, Robert A.	Italy, Texas
Hills, Alice	Fort Worth, Texas
Hills, Stanley	Munday, Texas
Hays, Harley	Fort Worth, Texas
Hawthorne, Edna	Fort Worth, Texas
Holloway, Juddie	Longview, Texas
Hooper, J. C.	Fort Worth, Texas
Hooper, Chas.	Fort Worth, Texas
Hopkins, T. B.	Cleburne, Texas
Houchins, S. F.	Fort Worth, Texas

Howard, Vera	Quanah, Texas
Hughes, J. R.	Lone Oak, Texas
Hulsey, Mae	Ladonia, Texas
Irby, Alfred	Weatherford, Texas
Irvine, Harold	Fort Worth, Texas
Isaacks, E. B.	Midland, Texas
Jackson, Ford	Alpine, Texas
Jackson, Lucile	Fort Worth, Texas
Jackson, Murrell	Fort Worth, Texas
Johnson, J. D.	Fort Worth, Texas
Johnson, Perry L.	Fort Worth, Texas
Jones, Grace	Longview, Texas
Jones, Horace	Fort Worth, Texas
Jones, Florence P.	Fort Worth, Texas
Jones, R. B.	Loop, Texas
Justice, Cameron	Fort Worth, Texas
Kelly, Eugenia	Sabinal, Texas
Keithley, Clyde	Dallas, Texas
Kincaid, E. D.	Uvalde, Texas
King, Roy D.	Harold, Texas
King, Sidney	Fort Worth, Texas
Kinsey, Juanita	Fort Worth, Texas
Kinsey, Mrs. J. W.	Fort Worth, Texas
Klebold, Henry	Fort Worth, Texas
Ladd, Homer	Fort Worth, Texas
Laird, Ailene	Venus, Texas
Lamonica, Tom	Fort Worth, Texas
Lander, Paul	Mesquite, Texas
Lard, C. G.	Fort Worth, Texas
Largent, Charlie Mae	McKinney, Texas
Lattner, Willie	Mineral Wells, Texas
Lavender, Grady	Lancaster, Texas
Lattimore, John	Fort Worth, Texas
Lightfoot, Martha	Fort Worth, Texas
Lines, W. R.	Walters, Okla.
Little, W. A.	Kennedale, Texas
Livsey, Annie D.	Longview, Texas
Livsey, L. L.	Longview, Texas
Livsey, C. M.	Longview, Texas

Lock, Ida	DeLeon, Texas
Lockhart, Naomi	Fort Worth, Texas
Luse, Miss	Fort Worth, Texas
Lucas, Howard	Sherman, Texas
Lyon, Eric	Fort Worth, Texas
Lytton, Ilene	Lampasas, Texas
Mabee, George	Mangum, Okla.
Mabry, Joe	Graham, Texas
Maddox, G. L.	Sweetwater, Texas
Mars, Bert	Fort Worth, Texas
Martin, Elsie	Fort Worth, Texas
Martin, Logan	Fort Worth, Texas
Martin, T. L.	Venus, Texas
Mason, Grace D.	Dallas (Sta. A), Texas
Mason, McXie Mae	Dallas (Sta. A), Texas
Matthews, Will	Fort Worth, Texas
Matthews, Cecil	Fort Worth, Texas
Mapier, S. L.	Hutchins, Texas
McConnell, Carroll	Palo Pinto, Texas
McFarland, G. B.	Ladonia, Texas
McFarland, W. S.	Ladonia, Texas
McGowan, Eva	Fort Worth, Texas
McGregor, —	Pendleton, Texas
McIver, C. L.	Madisonville, Texas
McKinney, Lucile	Tioga, Texas
McKnight, Ewell	Eldorado, Texas
McNeill, Bess	Valley Mills, Texas
Melton, Carl E.	Allen, Texas
Mershon, Irene	Walters, Okla.
Miller, Frankie	Fort Worth, Texas
Miller, C. G.	Royse City, Texas
Miller, Louie	Goldthwaite, Texas
Moffatt, Jno. R.	Fort Worth, Texas
Molina, Mateo	Fort Worth, Texas
Montgomery, Fred	Comanche, Texas
Montgomery, J. C.	Comanche, Texas
Moore, R. D.	Hamlin, Texas
Moore, Elmer	Fort Worth, Texas
Moore, Albert	Turson, Kan.

Moore, Willie	Fort Worth, Texas
Morris, Maurice	Fort Worth, Texas
Morris, Murrell	Nashville, Ark.
Morris, Nannie	Fort Worth, Texas
Morrow, Daisy	Kaufman, Texas
Mullin, Roy E.	Fort Worth, Texas
Murrey, Katherine	Fort Worth, Texas
Murray, Joe J.	Sulphur Springs, Texas
Musgrave, Ruth	Waxahachie, Texas
Nelson, Ruby	Fort Worth, Texas
Newman, Imogene	Dallas, Texas
Newton, Ross	Fort Worth, Texas
Neis, W. B.	Fort Worth, Texas
Nye, Mrs. Jessie	Fort Worth, Texas
Oberhoff, Maude	Fort Worth, Texas
Odom, L. H.	Fort Worth, Texas
Odell, Lela	Haskell, Texas
Osteen, Preston	Fort Worth, Texas
Outlaw, N. M.	Fort Worth, Texas
Owens, Lizzie	Marlin, Texas
Parks, Ben W.	Lancaster, Texas
Parker, Ellen	Corpus Christi, Texas
Parker, Luther	Corpus Christi, Texas
Patterson, Lucile	Fort Worth, Texas
Patterson, Blanche	Archer City, Texas
Pedigo, Maxie	Valley Mills, Texas
Peacock, Dixon	Fort Worth, Texas
Peoples, Mrs. Yaleta	Alvarado, Texas
Perkins, Hallie B.	Cameron, Texas
Plumby, Lynette	Beaumont, Texas
Pollard, Estelle	Fort Worth, Texas
Porter, J. D.	Lake Creek, Texas
Potter, Beulah	Hereford, Texas
Procter, Minnie	Longview, Texas
Potts, Edna Mae	Fort Worth, Texas
Rawlings, Jno. A.	Lancaster, Texas
Redford, Kate	Fort Worth, Texas
Reed, Elizabeth	Marble Falls, Texas
Reeves, Jim H.	Whitewright, Texas

Reeves, C. B.	Whitewright, Texas
Reynolds, Floyd	Fort Worth, Texas
Ricketts, Claude	Hereford, Texas
Richards, Lucile	Ialy, Texas
Richards, Anna	Walters, Okla.
Robbins, Ernestine	Fort Worth, Texas
Robbins, Raymond	Fort Worth, Texas
Roberts, Mildred	Waco, Texas
Roberts, Mildred Lee	Fort Worth, Texas
Roberts, Catherine	Fort Worth, Texas
Rogers, H. E.	Milford, Texas
Roling, J. O.	Wichita Falls, Texas
Roling, Ruth	Wichita Falls, Texas
Shankle, Duke	Fort Worth, Texas
Shannon, Ira	Fort Worth, Texas
Scott, S. F.	Pecan Gap, Texas
Sears, Allen	Fort Worth, Texas
Shirley, Harriette	Hereford, Texas
Simpson, Fred	Snyder, Texas
Simpson, Gladys	Fort Worth, Texas
Simpson, Maude	Fort Worth, Texas
Simpson, Nell	Fort Worth, Texas
Sloan, W. C.	Fort Worth, Texas
Smith, Alice L.	Fort Worth, Texas
Smith, Emory Jr.	Fort Worth, Texas
Smith, Mabel	Fort Worth, Texas
Smith, O. A.	Fort Worth, Texas
Smith, Mrs. O. A.	Fort Worth, Texas
Snell, Hamp	Walnut Springs, Texas
Snider, Albert H.	McKinney, Texas
Spain, Robert	Fort Worth, Texas
Spiller, Ruby	Menard, Texas
Spinks, E. C.	Longview, Texas
Starkey, Ermine	Jacksonville, Texas
Stevens, Elizabeth	Fort Worth, Texas
Stevenson, E. R.	Fort Worth, Texas
Stewart, Gertie	Longview, Texas
Stewart, Grover	Denison, Texas
Stiles, Cecil	Thrall, Texas

Stiles, Marina	Thrall, Texas
Stierman, W. B.	Athens, Texas
Stevens, Clara	Fort Worth, Texas
Steele, Lake	Italy, Texas
Shaugnessy, Genievieve	Fort Worth, Texas
Stipp, Jas. A.	Temple, Okla.
Stovall, Willis	Mangum, Okla.
Street, Alvin M.	Goldthwaite, Texas
Strong, F. W.	Denton, Texas
Strang, Gladys	Fort Worth, Texas
Suggs, Mary	Fort Worth, Texas
Taylor, Edward	Fort Worth, Texas
Tennill, Wm.	Taylor, Texas
Thannisch, L. E.	Fort Worth, Texas
Thetford, Willie	Godley, Texas
Teeter, Laura	Crowley, Texas
Tomlinson, E. C.	Hillsboro, Texas
Tomlinson, Roy G.	Hillsboro, Texas
Taylor, Newton	Abilene, Texas
Towsend, Clara	Gorman, Texas
Towsend, Clarada	Fort Worth, Texas
Tiplett, Grady	Fort Worth, Texas
Tyson, Amboline	Pomona, Cal.
Taylor, S. H.	Fort Worth, Texas
Tucker, Rowan	Fort Worth, Texas
Umberhour, Edna	Fort Worth, Texas
Vann, Myrtle	Marlin, Texas
Vickman, G. T.	Fort Worth, Texas
Wade, Libbie	Elgin, Texas
Wagner, Eloise	Pecos, Texas
Walker, Willie	Texarkana, Texas
Ware, B. F.	Fort Worth, Texas
Ward, Guy J.	Cisco, Texas
Watts, Ballard	Gainesville, Texas
Watson, Shelly M.	Rogers, Texas
Weaver, Gladys	McKinney, Texas
Webb, Sue	Mart, Texas
Weddington, Crawford	Fort Worth, Texas
Wilkes, Lois	Hubbard City, Texas

Whitman, Clara	Fort Worth, Texas
Widener, Travis	Cooledge, Texas
Wieland, Emma	Wylie, Texas
Williams, Nolan	Fort Worth, Texas
Wilson, E. B.	Fort Worth, Texas
Wilson, Boyd	Longview, Texas
Winston, Barlow	Cisco, Texas
Wise, Oscar J.	_____
Wood, J. L.	Mertson, Texas
Woods, Vista	Ladonia, Texas
Woodruff, Grady	Randlett, Okla.
Wirtz, Freda	Fort Worth, Texas
Wright, Lorena	Albany, Texas
Wright, Prentice	Fort Worth, Texas
Young, Sophia	Fort Worth, Texas

SCHOOL OF MEDICINE

SENIORS

Baze, W. J.	Brady, Texas
Beckman, M. A.	Rowena, Texas
Bondreau, C. E.	Fort Worth, Texas
Carpenter, B. R.	Clifton, Texas
Dowdy, T. W.	Albertville, Ala.
Duncan, D. J.	Frisco, Texas
Kester, Earl A.	Vernon, Texas
Lewis, J. R.	Fort Worth, Texas
Lillie, Gordon A.	Pawnee, Okla.
Leggett, Walter	Fort Worth, Texas
Oden, B. N.	Tatum, Texas
Pendleton, J. W.	Vernon, Texas
Reinhardt, W. C. Jr.	Fort Worth, Texas
Stromberg, E. W.	Brownwood, Texas
Walker, Webb	Lufkin, Texas
Worthey, W. R.	Call, Texas

JUNIORS

Carter, Chas.	Rosewood, Texas
Campbell, C. C.	Blum, Texas
Cross, J. G.	Granite, Okla.
Dixon, B. E.	Texarkana, Texas
Freeman, I. S.	Lockney, Texas
Grogan, O. R.	Quanah, Texas
Goodman, T. L.	Fort Worth, Texas
Grisso, Doc	Fort Worth, Texas
Jones, Elmer	Gorman, Texas
Keasler, L. O.	Hughes Springs, Texas
Kirkpatrick, B. A.	Snyder, Texas
Godley, L. O.	Corsicana, Texas
Lipps, Paul K.	Fort Worth, Texas
Monk, J. A.	Moody, Texas
Saunders, C. C.	Fort Worth, Texas
Stewart, S. H.	Waco, Texas
Wehinger, A. D.	Gilliam, Mo.
Whitten, S. D.	Prague, Okla.

SOPHOMORES

Christian, E.	Marlow, Okla.
Evans, S. Ray	Comanche, Texas
Francis, F. W.	Fort Worth, Texas
Genochio, E. P.	Redwood City, Cal.
Hammond, Judd E.	Fort Worth, Texas

Hodges, E. D.	Waco,	Texas
Horn, Will S.	Fort Worth,	Texas
Littlepage, Henry B.	Fort Worth,	Texas
Lindsay, Jack J.	Llano,	Texas
May, J. C.	Fort Worth,	Texas
Pratt, A. E.	Fort Worth,	Texas
Scott, K. J.	Cisco,	Texas
Saunders, D. J.	Bonham,	Texas
Cadenhead, Frank	Bellevue,	Texas

FRESHMEN

Arnold, Carl	Graham,	Texas
Allen, Will	May,	Texas
Alexander, Joe	Garland,	Texas
Day, Giles	Fort Worth,	Texas
Evatt, Crit	May,	Texas
Franklow, Davis	Fort Worth,	Texas
Grant, Brooks C.	Fort Worth,	Texas
Giles, Upton	Commerce,	Texas
Garrett, J. H.	Handley,	Texas
Horn, Fred	Corsicana,	Texas
Henniger, Ben	Fort Worth,	Texas
Hyde, Ximmie	Sulphur Springs,	Texas
Haines, W. H.	Hughes Springs,	Texas
Lockhart, J. P.	Brady,	Texas
Langston, J. E.	Waco,	Texas
Montague, A. W.	Fort Worth,	Texas
Odom, C. C.	Rogers,	Texas
Robinson, John	Fort Worth,	Texas
Tucker, J. T.	Fort Worth,	Texas
Tyler, Earl	Gainesville,	Texas
Warren, H. F.	Alvarado,	Texas
Woodward, Lee	San Angelo,	Texas

SCHOOL OF PHARMACY

SENIORS

Carroll, R. O.	Fort Worth,	Texas
Carroll, Ernest	Fort Worth,	Texas
George, W. T.	Fort Worth,	Texas
Littlepage, P. S.	Fort Worth,	Texas
McKinney, W. J.	Spur,	Texas
McNeill, Dave E.	Teneha,	Texas
Reilly, Ed	Fort Worth,	Texas
Smith, Miss Renna Mae	Fort Worth,	Texas
Terry, Houston	Fort Worth,	Texas

Woods, Columbus E.....	Newton, Texas
Woodyard, C. A.....	Carthage, Texas
Wilson, S. L.....	Fort Worth, Texas

JUNIORS

Belson, M. E.....	Lott, Texas
Brown, R. O.....	Quanah, Texas
Brock, T. D.....	Hermleigh, Texas
Cosby, R. H.....	_____ , Texas
Cox, R. S.....	Merit, Texas
Ferguson, L. E.....	Rison, Ark.
Grammer, R. B.....	Fort Worth, Texas
Gilbert, B. F.....	Smithfield, Texas
Holzman, E. H.....	Industry, Texas
Hosford, Olin.....	Italy, Texas
Jareton, H. M.....	Decatur, Texas
Luckenback, H. F.....	D'Hanis, Texas
Mullenix, J. A.....	Gilmer, Texas
Moore, DeWitt.....	Bremond, Texas
Pruden, Floyd.....	_____ , Texas
Remington, M. F.....	Fort Worth, Texas
Robbins, K. C.....	Fort Worth, Texas
Taylor, C. L.....	Fort Worth, Texas
Weaver, Earl.....	Fort Worth, Texas
Washington, Geo. P.....	_____ , Texas
Woerner, C. F.....	Fort Worth, Texas

SCHOOL OF NURSING

GRADUATE NURSES

Holcomb, Stella.....	Fayetteville, Ark.
Turner, Clara.....	Liverpool, England
McCulloch, Elizabeth.....	Glasgow, England

NURSES IN TRAINING

Shaw, Estelle.....	Stonewall, Miss.
Franks, Velma.....	Corpus Christi, Texas
Suttle, Mrs. R. E.....	Little Rock, Ark.
Tulley, Mrs. E.....	Fort Smith, Ark.
Couch, Faye.....	Waco, Texas

SPECIAL STUDENTS

Thomson, James, Medic.....	Fort Worth, Texas
McCollum, Joe, Ph.....	Waco, Texas
Hyde, J. D., Ph.....	Sulphur Springs, Texas

SUMMARY

College of Arts and Sciences:

Graduate Students	2
Seniors	22
Juniors	25
Sophomores	37
Freshmen	42
Academy	102
Unclassified	101
Total	331

College of Fine Arts:

Music	50
Oratory	30
Art	6
Total	86

College of Business 72

College of the Bible 22

School of Medicine:

Medicine:

Seniors	16
Juniors	18
Sophomores	14
Freshmen	22
Specials	1
Total	71

Pharmacy:

Seniors	12
Juniors	21
Specials	2
Total	35

Nursing:

Graduates	3
Nurses in training	5
Total	8

Total enrolment College of Medicine 114

Grand total 625

Total enrolment omitting all duplicates 528

ENROLMENT BY COUNTRIES AND STATES

Alabama	1
Arkansas	5
California	2
England	2
Illinois	1
Kansas	1
Kentucky	1
Missouri	1
Mississippi	1
New Mexico	1
Oklahoma	13
Texas	499
Total	<u>528</u>

ALUMNI

NOTE.—A list of this kind requires annual correction, and the Alumni are invited to assist in removing errors.

CLASS OF 1876

J. E. Jarrott, A. B., Prof. Mathematics, Add-Ran College 1877-1879. (Died 1978).

E. Wilwee, A. B., preacher..... Mangum, Okla.

CLASS OF 1877

G. E. Carpenter, A. B., planter..... Plano, Texas

D. F. Goss, A. B., attorney-at-law..... Seymour, Texas

CLASS OF 1879

Lou Carr, A. B. (Mrs. S. J. Bass)..... McKinney, Texas

W. H. Gatliff, A. B., physician..... Butte, Cal.

Alfred Irby, S. B. (A. M., *ibid.*, 1892), physician.....

..... Weatherford, Texas

J. H. Smithers, A. B. Chicago, Ill.

CLASS OF 1880

Geo. C. Cole, A. B., attorney-at-law (died 1903) Dallas, Texas

CLASS OF 1881

C. E. Dunn, A. B., farmer..... Wylie, Texas

J. N. Gambrel, A. B., farmer and stock raiser.....

..... Prairie Lee, Texas

L. B. Miller, A. B., journalist, 3749 Laclede Ave., St. Louis, Mo.

A. P. Thomas, A. B., real estate..... Fort Worth, Texas

CLASS OF 1882

J. W. McAdams, A. B., teacher..... Oregon City, Oregon

W. M. Campbell, A. B., physician..... Weatherford, Texas

T. J. McBride, A. B., fruit grower..... Swan, Texas

F. O. McKinsey, A. B., attorney-at-law.... Weatherford, Texas

Josie Scott, A. B. (Mrs. F. O. McKinsey), Weatherford, Texas

CLASS OF 1883

K. A. Berry, A. B. (died 1907)..... Quanah, Texas

M. M. Griffith, A. B., merchant..... Ardmore, Okla.

Minnie Clark, A. B. (Mrs. J. B. Rogers), teacher.....

Belle Oglesby, A. B. (Mrs. Wythe)..... Weatherford, Texas

T. A. Wythe, A. B., real estate dealer..... Weatherford, Texas

CLASS OF 1884

R. H. Bonham, A. B. (A. M., *ibid.*, 1892) teacher.....

..... Leesville, Louisiana

C. H. Miller, A. B.

C. C. Perrin, A. B., planter..... Celeste, Texas

CLASS OF 1885

J. B. Sweeney, A. B. (A. M., *ibid.*, 1891, LL. D., *ibid.*, 1905,

professor T. C. U. 1895-1900); preacher (died 1901) ..

..... Gainesville, Texas

CLASS OF 1886

- Effie Milwee, A. B. (Mrs. J. R. Boyd), teacher of music in
Add-Ran University (died 1898).
G. L. Bush, A. B. (A. M., *ibid.*, 1891), preacher, Carróllton, Mo.
Mattie Gill, A. B., teacher.....Lisbon, Texas
H. E. Hildebrand, A. B., manager transfer company.....
.....San Antonio, Texas
T. A. Miller, A. B., M. D., physician.....Corsicana, Texas
Birdie Nichols, A. B. (Mrs. Caruth).....Yoakum, Texas
W. B. Parks, A. B. (A. M., *ibid.*, 1892), Ph. D., Dean of
T. C. U.....Fort Worth, Texas.

CLASS OF 1887

- Olive Jones, A. B. (Mrs. Millikin), teacher of music.....
.....Atlanta, Georgia
R. L. Ragsdale, A. B., member Texas Legislature 1894 to
1900, attorney-at-law (died 1902).....Denton, Texas

CLASS OF 1888

- B. Andrews, A. B., merchant.....San Antonio, Texas
Sallie Andrews, A. B.....McKinney, Texas
P. F. Brown, A. B., principal public schools...Lubbock, Texas
A. I. Hudson, A. B., attorney-at-law.....Dallas, Texas

CLASS OF 1889

- Ophelia McMorris, A. B. (A. M., *ibid.*, 1892), teacher.....
.....San Marcos, Texas
Laura Nichols, A. B. (Mrs. R. L. Ragsdale), teacher.....
.....Yoakum, Texas

CLASS OF 1890

- A. Clark Jr., A. B. (A. M., *ibid.*, 1895), professor T. C. U.
1896-1898, journalist (died 1903).....Amarillo, Texas
Jessie Clark, A. B. (Mrs. Russell).....Comanche, Texas
Claudia Miller, S. B. (Mrs. A. C. Easley).....Waco, Texas
Lucretia Bushwah, S. B. (Mrs. Alfred Irby).....
.....Weatherford, Texas
A. C. Easley, A. B. (A. M., *ibid.*, 1893), teller Citizens Na-
tional Bank.....Waco, Texas
F. G. Jones, A. B., principal High School.....McKinney, Texas
C. M. Votaw, A. B., attorney-at-law.....Houston, Texas

CLASS OF 1891

- C. Elizabeth Clark, S. B. (Mrs. Boyd), clerk county and
district courts.....Lubbock, Texas
J. B. Cook, A. B., cashier First National Bank (died 1899)
.....West, Texas
William L. Moore, A. B., principal Academy of Languages
.....Mexico
Nellie Lamon, A. B. (Mrs. R. J. Knox), (died 1892).....
.....Burnet, Texas

CLASS OF 1892

- Ginreva Wood, S. B. (Mrs. Carson), teacher, Sherwood, Texas

- J. R. Clanton, A. B., druggist.....Hazen, Arkansas
 A. C. Elliott, S. B.....Hereford, Texas
 W. J. Hildebrand, A. B., physician.....Gonzales, Texas
 R. F. Holloway, S. B., supt. city schools.....Comanche, Texas
 Randolph Paine, A. B., attorney-at-law.....Dallas, Texas
 E. C. Snow, A. M., real estate.....Donna, Texas

CLASS OF 1893

- I. E. Adams, A. B. (A. M., *ibid.*, 1895), merchant.....
 Sarcoxie, Missouri
 T. M. Clark, L. B. (A. M., *ibid.*, 1894), president Bay View
 College Portland, Texas
 A. J. Cook, S. B., superintendent public schools... Seguin, Texas
 Trixie Green, S. B., teacher (Mrs. Judge Lively) .. Dallas, Texas
 Julia Holloway, S. B. (deceased).....
 Lizzie Thornton, S. B. (Mrs. J. M. Rieger) ... Comanche, Texas
 J. B. Rogers, A. B., superintendent public schools.....
 Junction City, Texas
 J. D. Shaw, S. B. (A. M., 1897).....
 A. F. Shepard, S. B..... Gilmer, Texas
 John C. Smith, A. B..... Vernon, Texas
 R. M. Scott, A. B., attorney-at-law..... Dallas, Texas
 Miltie Weatherly, S. B., teacher..... Grapevine, Texas
 Randolph Clark, A. M., professor T. C. U. 1873 to 1896,
 preacher Stephenville, Texas
 Addison Clark, LL. D., president T. C. U. 1873 to 1899,
 president Add-Ran Jarvis College 1900-1909, preacher
 (died 1911)

CLASS OF 1894

- Pearl J. Boone, A. B. (Mrs. T. J. Grady), teacher.....
 Texico, New Mexico
 R. J. Clanton, L. B., druggist..... Dallas, Texas
 R. Carlton Clark, A. B. (A. M., *ibid.*, 1895), professor State
 University Oregon
 Ellsworth E. Faris, S. B., A. M., 1907, professor of phil-
 osophy, T. C. U..... Chicago, Illinois
 Fannie B. Kemp, S. B. (Mrs. A. F. Sheperd), (died 1905)
 Gilmer, Texas
 Maggie P. Lowber, A. M. (Mrs. J. W. Lowber), Austin, Texas
 R. L. Miller, L. B., attorney-at-law (died 1896).....
 R. B. Whitton, L. B., teacher..... Waco, Texas
 M. M. Davis, A. M., preacher and author..... Dallas, Texas
 John T. Moore, A. M., physician..... Houston, Texas
 O. A. Riall, A. M., preacher..... Commerce, Texas
 R. Cantrell Scurrah, A. M. (LL. D., *ibid.*, 1896) .. Hull, England
 Lois A. White (Mrs. J. O. Holland), teacher, San Antonio, Texas

CLASS OF 1895

- Lee Clark, A. B., Sec. Conference for Ed. in Texas, Austin, Texas
 V. Z. Jarvis, S. B., stock raiser..... Fort Worth, Texas

- George H. Morrison, A. B., preacher.....Haskell, Texas
 Flora Pinkerton, S. B. (Mrs. G. H. Morrison) ..Haskell, Texas
 B. H. Oxford, L. B., attorney-at-law.....Mancos, Colorado
 Maud Wood, L. B. (Mrs. W. E. Branch), teacher.....
 Sherwood, Texas
 Dr. F. D. Green, A. M.....Denver, Colorado
 Dr. George P. Hall, A. M., professor in Medical College..
 Galveston, Texas
 J. S. Henderson, LL. D., teacher.....London, England
 J. M. Lindsey LL. D., teacher.....Hull, England
 F. H. Marshall, Ph. D., teacher.....Enid, Okla.
 J. J. Morgan, A. M., teacher, preacher.....Johnstown, Pa.
 Samuel Naish, A. M. (LL. D., *ibid.*, 1897), preacher.....
 Exeter, England
 Dr. Clarence Warfield, A. M.....Galveston, Texas
 Thomas C. Woodman, LL. D., teacher.....Sussex, England

CLASS OF 1896

- J. M. Campbell, A. B.....Anadarko, Okla.
 Julia F. Easley, S. B. (Mrs. O. C. Robertson), Midland, Texas
 John F. Kemp, A. B., teacher.....Midland, Texas
 G. A. Lewellen, Ph. D., professor of English Bible, T. C. U.
 (died 1912) ..
 Bertha C Mason, S. B. (Mrs. J. H. Fuller).....Dallas, Texas
 May Miller, L. B. (Mrs. R. H. Simmans).....Cisco, Texas
 W. H. Penix, S. B., attorney-at-law.....Mineral Wells, Texas
 Mary Lipscomb, S. B. (Mrs. Wiggins).....Frisco, Texas
 J. F. Anderson, A. M., business manager T. C. U.....
 Fort Worth, Texas
 I. M. Cline, Ph. D., Director Weather Bureau, Galveston, Texas
 George Fowler, A. M., preacher.....Roswell, New Mexico
 Jesse B. Haston, A. M., preacher (deceased) ..
 A. M. Logan, A. M., teacher.....Fargo, North Dakota
 Lou Ella Clark, A. B. (Mrs. R. F. Holloway).....
 Comanche, Texas

CLASS OF 1897

- C. A. Lewellen, LL. D. (died 1912).....
 Lollie Broad, A. B. (Mrs. Wright).....
 J. J. Hart, A. B. (A. M., *ibid.*, 1899), attorney-at-law....
 Dallas, Texas
 J. T. McKissick, A. B. (A. M., *ibid.*, 1904), preacher.....
 Nashville, Tenn.
 Ira Adams, Ph. D.....Cocoanut Grove, Florida
 A. T. Sherman, A. M.....Brooklyn, New York
 Ira P. Hildebrand, A. B., professor law.....Austin, Texas

CLASS OF 1898

- Mary Foreman, A. B. (Mrs. T. C. Easley).....Munday, Texas
 Frank F. Elkin, A. B., banker.....Midland, Texas
 Cora Kinnard, A. B. (Mrs. J. J. Hart).....Dallas, Texas
 R. H. Simmans, A. B., preacher.....Cisco, Texas

W. M. Lawyer, A. M., preacher.....Ellendale, N. D.
 W. W. Burks, A. M., preacher.....Parsons, Kansas

CLASS OF 1899

Mamie E. Schaper, L. B., teacher.....Waco, Texas
 Bessie R. Clark, L. B., teacher.....Amarillo, Texas
 W. T. Hamner, S. B., teacher.....Donna, Texas
 E. R. Cockrell, A. B., professor history, T. C. U.....
Fort Worth, Texas
 Claude McClellan A. B., attorney-at-law.....Coleman, Texas
 S. P. Smith A. M., teacher.....Lindsay, Okla.
 J. L. Noblitt, A. M., teacher.....Weatherford, Okla.

CLASS OF 1900

John B. McNamara, A. B., attorney-at-law.....Waco, Texas
 John W. Kinsey, A. B., professor education, T. C. U.....
Fort Worth, Texas
 Marcellus H. Brasher, A. B., superintendent.....Roswell, N. M.
 John Andrews, A. B., teacher.....Thorp Springs, Texas
 D. A. Leak, A. M., principal school.....Teneha, Texas
 J. W. Littlejohn, A. M., teacher.....

CLASS OF 1901

Charles I. Alexander, A. B., professor Mathematics, T. C.
 U.....Fort Worth, Texas
 L. Pierce Bailey, A. B., teacher.....Waco, Texas
 Carr T. Dowell, A. B., professor chemistry, Weatherford, Okla.
 Robert L. Marquis, A. B., professor biology, West Texas
 State Normal.....Canyon City, Texas
 Mrs. Maude W. Marshall, A. B.....Enid, Okla.
 Olive McClintic, A. B., professor of oratory.....
Oklahoma City, Okla.
 J. Frank Pruett, Jr., A. B., teacher.....Walter, Okla.
 James N. Wooten, A. B., preacher.....Longview, Texas
 Lillie Dell Bates, A. B. (Mrs. Clovis Moore).....Valentine, Texas
 Ernest J. Bradley, A. B., preacher (A. M., *ibid.*, 1903)....
Lampasas, Texas
 Virgie N. Gregory, A. B., teacher.....Waco, Texas
 J. Crockett Mullins, A. B., preacher.....Chicago, Illinois

CLASS OF 1903

Effie Jones, A. B. (A. M., *ibid.*, 1904), (Mrs. Beaman)....
Carlsbad, N. M.
 H. E. Luck, A. B., preacher.....Cleburne, Texas
 W. F. Reynolds A. B. preacher.....Plano, Texas

CLASS OF 1904

L. G. Ament, A. B., preacher.....Longview, Texas
 Wesley Ammerman, A. B., attorney.....San Antonio, Texas
 T. N. Goodson, A. B.....Comanche, Texas
 H. R. Ford, A. B. (B. D., 1909), preacher.....Corsicana, Texas
 R. H. Foster, A. B., attorney.....Brownwood, Texas
 Everett Jones, A. B., physician.....Sherman, Texas
 Leila Jordan, A. B., teacher.....

- E. K. Lavender, A. B., teacher.....San Marcos, Texas
 Lena Lewis, A. B., teacher.....Leona, Texas
 Hallie McPherson, A. B., teacher.....Fort Worth, Texas
 Clovis T. Moore, A. B., stock raiser.....Valentine, Texas
 Ed S. McKinney, A. B., pastor.....
 C. C. Peck, A. B., preacher.....
 B. W. Proctor, A. B.....Mart, Texas
 Homer Rowe, A. B.....Dalhart, Texas
 Mary Taliaferro A. B., teacher.....Austin, Texas
 Polk C. Webb, A. B., preacher.....North Waco, Texas
 Douglas Shirley, A. B.....Hereford, Texas
 James Johnson, A. M., president College of the Bible.....
Melbourne, Australia

CLASS OF 1905

- Bessie Coffman, A. B. (Mrs. R. H. Foster), Brownwood, Texas
 L. L. Goss, A. B., bookkeeper.....Dalhart, Texas
 Elster M. Haile, A. B., A. M. 1906.....Hereford, Texas
 Annie Maupin, A. B.....Kingston, Texas
 Earl Milroy, A. B., A. M. 1906.....Houston, Texas
 Mamie Rattan, A. B.....Cooper, Texas
 Pauline Shirley, A. B., A. M. 1906 (Mrs. E. M. Haile).....

-Chicago, Ill.
 Leroy D. Anderson A. B., preacher.....Fort Worth, Texas
 Alonzo N. Ashmore, A. B., teacher.....
 William C. Barnard, A. B.....Cleburne, Texas
 L. Edwin Brannin, A. B., physician.....Dallas, Texas
 Frank Beach, A. B., A. M. 1906, preacher.....Anadarko, Okla.
 Hardy Grissom, A. B., merchant.....Haskell, Texas
 Thomas C. Honea, A. B., physician.....Cleburne, Texas
 Coral Hamlin, A. B., teacher.....Mineral Wells, Texas
 John W. Smith, A. B., pastor.....Brownwood, Texas
 Lola Stockton, A. B. (Mrs. W. H. Bruns).....El Campo, Texas
 Zemula Clark, A. B.....Mineral Wells, Texas
 Abdullah Ben Kori, A. M.....Knoxville, Iowa

CLASS OF 1906

- Louise Andrews, A. B.....Sherman, Texas
 C. M. Ashmore, A. B. (B. D., *ibid.*, 1910), preacher.....
Rodgers, Texas
 E. C. Boynton, A. B., preacher.....Belton, Texas
 Bertha C. Bradley, A. B.....R. F. D. Dallas, Texas
 W. H. Bush, A. B., banker.....McKinney, Texas
 G. W. Carpenter, A. B., planter.....Plano, Texas
 J. L. Clark, A. B.....Stephenville, Texas
 C. P. Craig, A. B., preacher.....Terrell, Texas
 T. S. Graves, A. B.....McKinney, Texas
 J. F. Kinnard, A. B.....Dallas, Texas
 R. B. Muse, A. B.....Fort Worth, Texas
 A. J. Saunders, A. B., preacher.....Subiaco, Australia
 J. H. H. Scales, A. B., real estate.....Brownsville, Texas

J. H. Sheppard, A. B., teacher.....	Winnsboro, Texas
M. G. Smith, A. B., preacher.....	Des Moines, Iowa
T. F. Weaver, A. B., preacher.....	Houston, Texas
Mamie Welch, Pierce, A. B.....	Dike, Texas
Modena Welch, A. B.....	Dike, Texas

CLASS OF 1907

Ralph V. Callaway, B. D., preacher.....	Atlanta, Ill.
J. F. Quisenberry, B. D., preacher.....	Kansas City, Mo.
O. R. Burcham, A. B. (died 1911).....	Paris, Texas
Campbell Carnes, A. B., physician.....	Marshall, Texas
W. O. Dallas, A. B., preacher.....	Brenham, Texas
R. C. Garrard, A. B., American National Bank.....	Dallas, Texas
Willena Hannaford, A. B. (Mrs. D. A. Shirley),	Hereford, Texas
J. R. Muse, A. B., teacher.....	Canton, Missouri
L. C. Proctor, A. B., teacher.....	Temple, Texas
Mery B. Perkins, A. B. (Mrs. Murray Ramsey),	Austin, Texas
Cecil Wolford, A. B. (Mrs. R. C. Garrard).....	Dallas, Texas
Robert Williams, A. B., Guarantee Bank & Trust Co.....	Dallas, Texas

CLASS OF 1908

Nona M. Boegeman, A. B., missionary.....	Mahoba, India
Gordon B. Hall, A. B., journalist.....	Madisonville, Ky.
Alex Harwood, A. B., Secretary Retail Merchants Association.....	Amarillo, Texas
Mollie Hunter, A. B.....	Dallas, Texas
Ethel Mills, A. B. (Mrs. Ben Gooch).....	San Antonio, Texas
Jennie Vic McCulloch, A. B., A. M., ibid., 1909, teacher....	Beaumont, Texas
Frank Henry Newlee, A. B., principal public schools.....	Colorado, Texas
Floy B. Perkinson, A. B., teacher.....	Taylor, Texas
Roy Elwood Rockwell, A. B., teacher.....	La Junta, Colo.
Paul Tyson, A. B., A. M., ibid., 1909, teacher....	Denison, Texas
Beatrice Annie Tomlinson, A. B. (Mrs. C. D. Hall).....	North Waco, Texas
Lela May Tomlinson, A. B.....	Hillsboro, Texas
J. Olen Wallace, A. B., teacher.....	Brady, Texas
Amy Wood, A. B.....	Sherwood, Texas

CLASS OF 1909

Campbell Barnard, A. B., real estate.....	Dallas, Texas
Bertram H. Bloor, A. B., lawyer.....	Austin, Texas
Bryant F. Collins, A. B., civil engineer.....	Dallas, Texas
Bonner Frizzell, A. B., teacher in A. & M. College,	Bryan, Texas
J. B. Frizzell, A. B., insurance.....	Amarillo, Texas
Clois L. Green, A. B., bank cashier.....	Vernon, Texas
Howell G. Knight, A. B., journalist.....	Corpus Christi, Texas
Eula McNeill, A. B., teacher.....	Valley Mills, Texas
James R. McFarland, A. B., bank cashier.....	Ladonia, Texas
Noah C. Perkins, A. B. (died 1910).....	Ann Arbor, Mich.

- Dan D. Rogers, A. B., Guaranty Bank & Trust Co., Dallas, Texas
 Ernest U. Scott, A. B., stock farmer.....
 Mabel Shannon, A. B., teacher.....Hico, Texas
 William E. Sturgeon, A. B., principal public school.....
 Harlingen, Texas
 Douglas E. Tomlinson, A. B., law student.....Hillsboro, Texas
 John C. Wilch, A. B., preacher.....Elgin, Texas

CLASS OF 1910

- Thurman J. Allen, A. B., merchant.....Coleman, Texas
 Marshall A. Baldwin, A. B., stock farmer....Windom, Texas
 Gaitha P. Brous, A. B., teacher.....Sherman, Texas
 Noel C. Carr, A. B., teacher.....Waco, Texas
 Ada Inez Culpepper, A. B., teacher, R. F. D. No. 3, Waco, Texas
 Albert Cruzan, A. B., teacher.....Kirksville, Mo.
 Howard B. Dabbs, A. B., A. M., ibid., 1911, teacher.....
 Hillsboro, Texas
 Barney Holbert, A. B., deputy county clerk.....Waco, Texas
 Elizabeth Lewellen, A. B., teacher.....Fort Worth, Texas
 John W. Pyburn, A. B., teacher.....Seymour, Texas
 O. A. Smith, A. B., teacher.....Fort Worth, Texas
 J. William Smith, A. B., teacher.....Waco, Texas
 Myrtle Tomlinson, A. B. (Mrs. T. J. Allen)....Coleman, Texas
 Lucile Wolford, A. B. (Mrs. Dan D. Rogers)....Dallas, Texas
 Loy C. Wright, Guaranty Bank & Trust Co.....Dallas, Texas
 Mrs. Stella Whitten, A. B., teacher.....Waco, Texas

CLASS OF 1911

- Robert E. Abernathy, A. B.....Bonham, Texas
 G. N. Anderson, A. B., business.....Fort Worth, Texas
 Edgar H. Bush, A. B.....Allen, Texas
 John F. Bateman, A. B., teacher.....Eddy, Texas
 Earl X. Gough, A. B.....Hereford, Texas
 Leron B. Gough, A. B., teacher.....Hereford, Texas
 S. W. Hutton, A. B., preacher.....
 R. F. D. Riverside, Fort Worth, Texas
 Burl B. Hulsey, A. B.....Ladonia, Texas
 W. Clyde Hackney, A. B.....Wortham, Texas
 Elizabeth Higginbotham, A. B.....Ennis, Texas
 Clare Lewellen, A. B.....Fort Worth, Texas
 Cayce Lewellen, A. B., teacher.....Fort Worth, Texas
 Clara Moses, A. B., teacher.....Burnet, Texas
 J. W. Massie, A. B.....Waco, Texas
 Kathleen Munn, A. B.....Houston, Texas
 Neta Martin, A. B.....Arlington, Texas
 Louie Noblitt, A. B., teacher.....Cookville, Texas
 Mary Riter, A. B.....Forney, Texas
 V. H. Robinson, A. B.....Ennis, Texas
 Mabel Smith, A. B., teacher.....Fort Worth, Texas
 Ethel Webb, A. B.....Waco, Texas

CLASS OF 1912

Albert J. Cruzan, A. M., medical student.....	Kirkwood, Mo.
Odessa Allison, A. B.....	Fort Worth, Texas
Vier Allison, A. B., teacher.....	Fort Worth, Texas
Mabel Baldwin, A. B.....	Haskell, Texas
Herbert Bozeman, A. B.....	Bartlett, Texas
N. C. Carr, A. B.....	
Bettie Couch, A. B.....	Italy, Texas
Milton E. Daniel, A. B.....	Waco, Texas
Aileen Geiger, A. B.....	Fort Worth, Texas
Kathleen Gibson, A. B.....	Waxahachie, Texas
Cullen Graves, A. B.....	Hutchins, Texas
Clarence M. Hall, A. B., business.....	Madisonville, Ky.
Frances Henderson, A. B., teacher.....	Fort Worth, Texas
Bess McNeill, A. B.....	Valley Mills, Texas
Carl Melton, A. B.....	Allen, Texas
Daisy Morrow, A. B., teacher.....	Kaufman, Texas
J. J. Murray, A. B.....	Sulphur Springs, Texas
Will Neis, A. B.....	Fort Worth, Texas
Harriette Shirley, A. B.....	Hereford, Texas
Ermine Starkey, A. B., teacher.....	Jacksonville, Texas
Roy G. Tomlinson, A. B.....	Hillsboro, Texas
G. T. Vickman, A. B.....	Fort Worth, Texas
Oscar J. Wise, A. B.....	