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Bulletin 1927-1928

SHANTUNG
CHRISTIAN
UNIVERSITY
BULLETIN

No. 56.

MINUTES OF THE ADMINISTRATIVE COUNCIL OF THE
FIELD BOARD OF MANAGERS

November 19th 1926

(Minutes A. C. 0223-0236; CWU 1-17)

February 18th 1927

(Minutes A. C. 0237-0246)

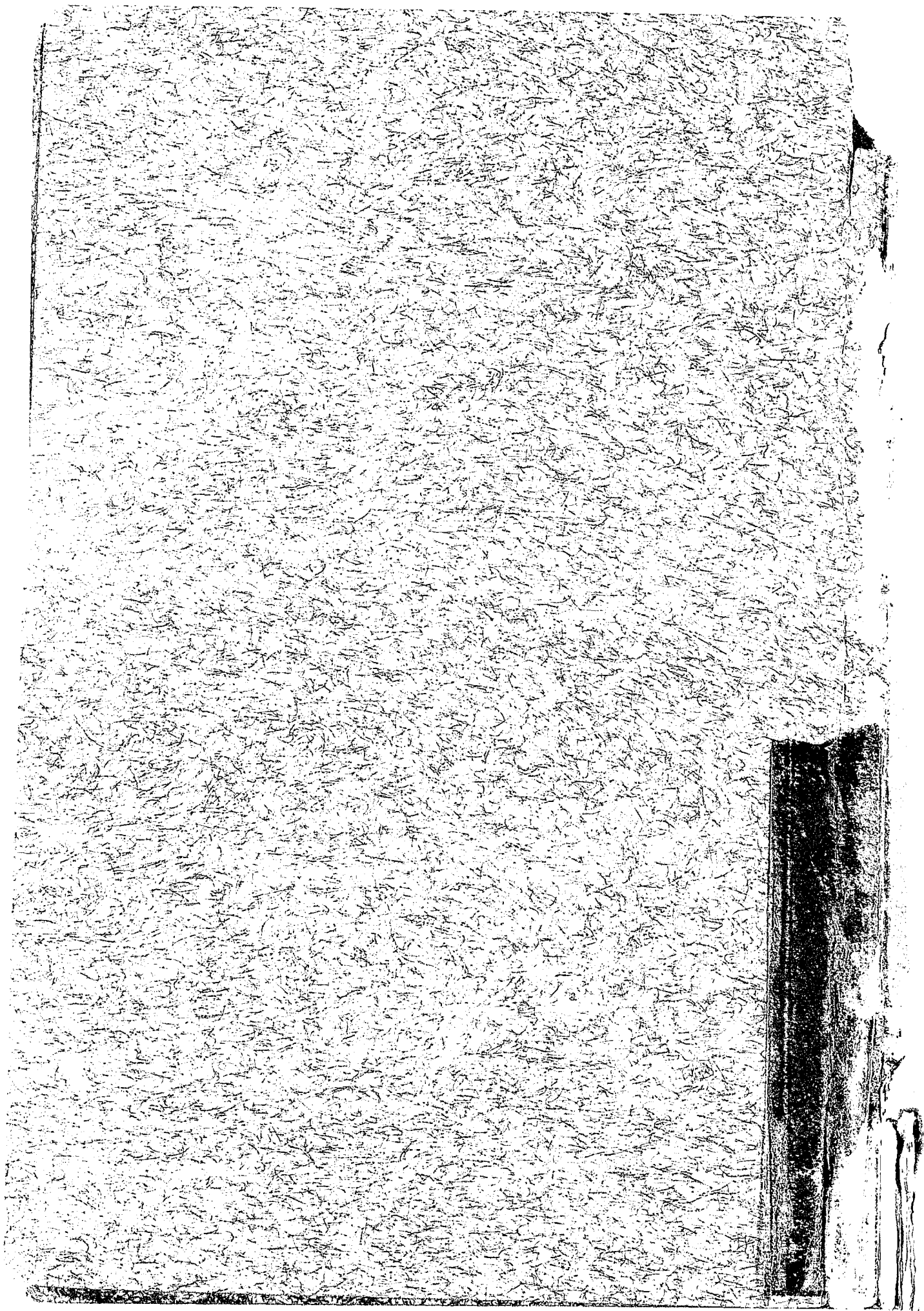
and

MINUTES OF THE ANNUAL MEETING OF THE
FIELD BOARD OF MANAGERS

June 21-22, 1927.



Printed at the Cath. Mission Press, Tsingtao.



MINUTES OF THE FIELD BOARD OF MANAGERS

**SHANTUNG CHRISTIAN UNIVERSITY
FIELD BOARD OF MANAGERS**

Elected Mission Representatives

- L. Nelson Bell M. D., Am. Presbyterian Mission S., Tsing-kiang-pu, Ku. (alternate Rev. M. A. Hopkins)
- *Rev. A. G. Castleton, English Baptist Mission, Choutsun, Sung.
Dr. H. T. Chiang, Hodge Memorial Hospital, H'kow, Hup. (WMMS)
- *Dr. C. F. Johnson, Amer. Presbyterian Mission North, Tsinan. (alternate Mr. Wm. C. Booth, Chefoo).
- Rev. W. H. Landahl, Lutheran United Mission, Kikungshan.
M. S. Li, English Baptist Mission, 59, Hsen Ming Chieh, Taiyuan, Shan.
- Lin Tsi I, Amer. Presbyterian Mission, North, Tsingtao.
Rev. J. Mellon Menzies, United Church of Canada, Changteho, Ho.
- *Rt. Rev. Bishop T. Arnold Scott, D. D., Church of England Mission, Taian, Sung. (Chairman) (Alternate Rev. H. Mathews, Yenchow, Sung.)
- Rev. C. G. Sparham, London Missionary Society, 23, Yuen Ming Yuen Road, Shanghai (alternate Dr. E. J. Stuckey, Tientsin).
- Miss Ting Shu Ching, American Board Mission, Y. W. C. A., 1, Young Allen Court, Shanghai.

Representatives of Women's Committee.

- Dr. Clementina Bash, Presbyterian Mission, Peking.
- *Miss E. L. Knapp, W. F. M. S., Taian, Sung.
Miss Mary Scott, Chung Teh School, Peking.

Elected Alumni Representatives.

- *Yee Hsing-lin, East Suburb, Tsinan (Vice-Chairman)
Two representatives to be elected.

Members by co-option.

- *Dr. Chang Po-ling, Nankai College, Tientsin.
Sanford C. C. Chen, 23, Yuen Ming Yuen Road, Shanghai.
- *Rev. Cheng Ching-yi, D. D., 23, Yuen Ming Yuen Road, Shanghai.
Rt. Rev. Bishop G. R. Grose, D. D., LL. D., Methodist E. Mission, Peking.
D. Y. Lin, Tsingtao.
- *Sung Hui-wu, Wei San-lu, Tsinan.
Dr. W. T. Tao, National Association for the Adv. of Education, Peking.
- *Dr. Y. Y. Tsu, Union Medical College, Peking.
Ralph C. Wells, 23, Yuen Ming Yuen Road, Shanghai.

Member Ex-officio.

- *Harold Balme, F. R. C. S., President.
Those marked * are members of the Administrative Council.

MINUTES OF THE ADMINISTRATIVE COUNCIL
Tsinan, 19th November, 1926.

660. **Members Present.** (A. C. Minute 0223)

Bishop T. Arnold Scott, (Chairman), Dr. Harold Balme, Mr. William C. Booth, Miss E. L. Knapp, and the Rev. A. G. Castleton (Recording Secretary).

661. **New Members of Field Board.** (A. C. Minute 0224)

Voted:—That the Administrative Council have heard with pleasure of the appointment of the following new members of the Field Board:—

Elected

Dr. H. T. Chiang (*WMMS*)
Rev. C. W. Landahl (*LUM*)
Dr. E. J. Stuckey (*LMS*)
Miss E. L. Knapp (*WFMS*)

Coopted

Mr. Sanford Chen
Dr. W. T. Tao
Dr. Y. Y. Tsu
Mr. Ralph C. Wells.

662. **Dr. E. R. Wheeler's Expedition.** (A. C. Minute 0225)

Voted:—That the Administrative Council desire to congratulate Dr. E. R. Wheeler upon the important part which he took in the expedition to relieve the besieged missionaries in Sianfu, and to express their great gratification upon the successful accomplishment of this mission.

663. **Resignation of the Rev. R. S. McHardy.**

(A. C. Minute 0226)

Voted:—That the Administrative Council of the Field Board of Managers have heard with great sympathy of the recent illness of the Rev. R. S. McHardy and of his approaching return to England, and accept with sincere regret his resignation from the Faculty of the School of Theology, of which he has been a loyal and enthusiastic member for the past eight years. They desire to record their warm appreciation of the services rendered by Mr. McHardy in the University and their earnest hope that his health and vigour may be completely restored.

MINUTES OF THE ADMINISTRATIVE COUNCIL

Tsinan, 19th November, 1926.

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Dr. E. J. Stuckey (*LMS*)
Miss E. L. Knapp (*WFMS*)

Coopted

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Mr. Ralph C. Wells.

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664. **Nursing Situation** (A. C. Minute 0227)

Voted:—That the Administrative Council have heard with great concern that since the special appeal issued by the Field Board of Managers in June last, no assistance has yet been secured to relieve the serious nursing situation in the University Hospital, the gravity of which situation is emphasized by the fact that at the time of holding this meeting there is not a single foreign nurse on duty in the hospital, owing to sickness and other causes. They earnestly hope that help will shortly be obtained to meet this emergency.

665. **Government Registration.** (A. C. Minute 0228)

Voted:—That having received the official interpretation of the fifth clause of the "Regulations for the Registration of Schools supported by funds contributed by Foreigners", as supplied by the Ministry of Education on July 6th 1926, the Administrative Council note with approval that in accordance with this interpretation Government registration would not compromise the Christian purpose of the University. They authorise the Senate to make enquiry as to the possibility of securing registration whenever the necessary requirements have been met, provided that conditions appear favourable for such action.

666. **Chinese Vice-President.** (A. C. Minute 0229)

Voted:—That Dr. Chang Po-ling and the President of the University in association with the chairman of the Field Board, be requested to act as a Nominating Committee for the post of Chinese Vice-President of the University.

667. **Amendments to Bylaws.** (A. C. Minute 0230)

Voted:—That the following amendments be made to the By-laws of the Field Board of Managers, in accordance with the recommendations of the Board of Governors:—

Art. I. Sec. 3—The addition of the following sentences:—

"The members shall be divided into three classes, with terms expiring in successive years. Members shall continue in office until their successors are appointed. Members shall be eligible for re-election."

Art. I. Sec. 5—The sentence "Special meetings may be called by the Administrative Council" to be amended by the addition of the words:—

"or on the written request of not less than five members of the Field Board of Managers".

668. **Alumni and Degrees.** (A. C. Minute 0231)

Voted:—That the regulations regarding the conditions under which Alumni who graduated before 1925 may be eligible for degrees (see Minute of Field Board 611) be amended by the addition of the following paragraphs:—

"In the case of graduates unable to reside at the University, a syllabus of work, such as would be required during a year of residence, may be prepared for each applicant by the Faculty of the School concerned and approved by the Senate, and suitable arrangements made by which an examination or thesis or both shall be required of the candidate on the basis of such work, it being understood (1) that application be made before July 1928, and (2) that such applicant be first approved by the said Faculty and Senate.

"Alumni who graduated before 1925 and who can produce evidence satisfactory to the Faculty and Senate that since graduation they have completed such work as would be required under these regulations, may by special permission of the Senate, be admitted to examination, or allowed to submit a thesis, without waiting for the lapse of a year."

669. **Whitewright Memorial** (A. C. Minute 0232)

Voted:— That the sums collected during the lifetime of the Rev. J. S. Whitewright for the erection of a new Lecture Hall be applied to the enlargement of the existing buildings of the Extension Department, and that new contributions, subscribed as a memorial to Mr. Whitewright, be set aside for the erection of the proposed Whitewright Hall.

670. Augustine Library (A. C. Minute 0233)

A statement was presented to the Administrative Council with regard to the present position of the University Library. Through the continued generosity of the Augustine Church, Winnipeg, the salary of the librarian and the maintenance of the building are now provided for, but owing to the lack of other appropriations or gifts, either from Mission Boards or from interested friends, no funds at present exist for the engaging of adequate clerical assistance for the cataloguing of the Library contents, nor is it possible to purchase books other than those supplied by the various Schools for departmental use. During the past four years the financial stringency has been so acute that the total sum available throughout that period for the purchase of general library books only amounted to \$396.87. It was

Voted:— That the attention of the Mission Boards be drawn to this need, with a request that an appeal be made to interested friends or churches for gifts of books, or of special funds which could be used for their purchase or for the engaging of additional clerical assistance.

671. Appointments to Staff (A. C. Minute 0234)

Voted:— That the Administrative Council cordially endorse the recommendation of the Senate that Mr. Chang Lichih and Mr. Tsang Hui-chuan, instructors in the School of Arts and Science, be promoted to the rank of Assistant Professor with a seat on the faculty.

672. Graduation Fee (A. C. Minute 0235)

Voted:— That the Administrative Council authorise the addition of a graduation fee of \$3 to be required of students on completion of their course to cover the cost of their graduating diploma and the rental of academic costume.

673. Report of the Finance and Property Committee. (A. C. Minute 0236)

Voted:— That the following report of the Finance and Property Committee be accepted:-

(a) *Plans of new Hospital.*

The plans of the new Hospital, drawn up by Messrs. Black & Wilson, and approved by the Hospital Building Committee and by the Building Committee appointed by the University Senate, were carefully considered. A financial statement was also submitted showing that in addition to the sum already expended on the purchase of land and equipment, the funds still remaining in the hands of the Treasurer of the Women's Committee, New York, and of the University Treasurer, amount respectively to Gold \$192,524.62 and Mex. \$13,937.28. An estimate drawn up by the architects, and approved by the University Building Committee, was also presented, showing that after allowing for a ten per-cent reserve fund, as a "margin of safety", the hospital as planned could be erected, and the necessary equipment etc. installed, within the sum now available. It was accordingly

Voted:— That the plans and estimate, as submitted by Messrs Black & Wilson and approved by the University Building Committee, be approved.

(b) *Authorization for Transfer of Funds from America*

Voted:— That with a view to the letting of the contract for the building of the Hospital, the Women's Committee is requested to arrange for the transfer of Gold \$50,000 to China as soon as securities can be realised to this amount, and for the transfer of a further Gold \$50,000 in May next.

(c) *Reserve Engine for Power Plant*

Voted:— That this Committee recommends to the Administrative Council that approval be given to the request of the Power Plant for authorization to borrow the sum of Gold \$2,500 from University funds, for the purchase of a suitable oil-engine to be used as a stand-by unit, it being understood that this loan will not be contracted unless the addition of such a unit proves absolutely necessary, and that the money borrowed, together with the former loan of Mex. \$7,000, will be repaid within four years, from the annual profits on the Power Plant.

(d) *Middle School Finance*

A report of the accounts of the Middle School was presented, and the Finance and Property Committee noted with concern that, owing to the number of students being less than anticipated, there is a deficit of \$ 915.45 on the running expenses for this semester.

Voted:—That serious efforts be made to secure a larger number of students next semester, and that the School of Arts & Science be requested to consider the possibility of undertaking responsibility for the management and upkeep of the School.

(e) *English Baptist Mission Appropriation*

A communication was reported from the English Baptist Mission, regretting that owing to the existence of a serious deficit, they had found it necessary to reduce their appropriations for all forms of work in China, including their grants to the University, by twenty per-cent.

Voted:—That the Finance & Property Committee would express their sincere sympathy with the English Baptist Mission in the circumstances which have compelled them to make this reduction in their grants, and in view of the serious difficulty which this will impose upon the University budget, they earnestly hope that the Mission will shortly be able to restore their appropriations to the former amount.

(f) *Substitute for Mr. B. A. Garside*

Voted:—That in view of the fact that a qualified Chinese professor of education has had to be engaged on the staff of the School of Arts & Science, to take the place of Mr. B. A. Garside who has been summoned to North America to assist in promotion work in that country, the Finance & Property Committee would appeal to the North America Promotion Committee to make a special grant, not exceeding Mex. \$3,000 per annum, for the salary and residence of the said Chinese professor.

ADJOURNMENT.

MINUTES
of the
COUNCIL OF THE WOMEN'S UNIT
Tsinan, 20th November, 1926.

674. **Members Present.** (CWU Minute 1)

Bishop T. Arnold Scott (Chairman of Field Board of Managers), Mrs. W. B. Hamilton (alternate for Miss Grace M. Rowley, (APN), Miss Elsie L. Knapp (WFMS), Miss Mary Scott (SPG), Dr. Lois Pendleton (Co-opted), Miss Ting Shu-ching (ABCFM),—together with Dr. Harold Balme, President of the University, and Dr. Luella Miner, Dean of Women, ex-officio members.

675. **Membership of the Council.** (CWU Minute 2)

It was reported that the membership of the Council of the Women's Unit, as elected to date, is composed as follows:—

Chairman of Field Board of Managers:—
Bishop T. Arnold Scott.

Women Members of Field Board of Managers:—

Dr. Clementina Bash (APMN).

Miss Katherine Franklin (EBM).

Miss Elsie L. Knapp (WFMS).

Miss Ting Shu-ching (ABCFM).

Ex-Officio Members:—

Dr. Harold Balme (President of University)

Dr. Luella Miner (Dean of Women)

Additional members elected by Boards contributing more than three times Minimum Basis:—

Miss Grace M. Rowley (APMN — alternate, Mrs. W. B. Hamilton)

One unfilled vacancy (WFMS)

Co-opted Member:—

Dr. Lois Pendleton.

676. **Chairman** (CWU Minute 3)

Voted:— That Bishop Arnold Scott be elected Chairman of the Council.

677. **Secretary.** (CWU Minute 4)

Voted:— That Dr. Luella Miner be elected Secretary of the Council.

678. **Finance Committee.** (CWU Minute 5)

Voted:— That a Committee on Finance be appointed at the Annual Meeting in June.

679. **Co-option of New Members.** (CWU Minute 6)

Voted:— That the following ladies be invited to serve as co-opted members of the Council:—

Dr. Marion Yang, Peking.

Dr. Ting Mei-i, Tientsin.

Miss Pang Yung-hsiang, Taian.

680. **Nursing Situation.** (CWU Minute 7)

Voted:— That the Council desire to give their strong endorsement to the minute passed in July last by the Field Board of Managers and to the recent action of the Administrative Council, with reference to the serious situation which at present exists in the University Hospital Nursing School. They regard the need for nursing reinforcements as of a most urgent character, and would earnestly appeal to the Women's Committee and to the co-operating Boards for their support in securing both temporary assistance, to meet the immediate emergency, and also permanent appointments, to meet the demands of the new hospital.

681. **Invitation to Miss Frances Wilson.** (CWU Minute 8)

Voted:— That the Council desire to associate themselves most heartily with the invitation which has already been extended to Miss Frances Wilson, to join the nursing staff of the hospital in an administrative capacity and would express the sincere hope that the Women's Foreign Missionary

Society may see their way to transfer Miss Wilson to Tsinan for this important position. They would assure Miss Wilson of their most cordial support, and of their readiness to do anything in their power to assist her in building up an adequate nursing staff.

682. **Social & Religious Department of Hospital**
(CWU Minute 9)

Voted:— That the Council give their warm approval to the proposition to establish a Department of Religious and Social Service in connection with the Hospital, for the purpose of developing welfare work for patients both while under treatment and after their return to their homes, and for the training of Chinese workers who can perform similar service in other hospitals, and would appeal to the Women's Committee to undertake the support of one foreign and one Chinese worker for this Department.

683. **Invitation to Dr. Marion Yang and Dr. Vera Hsiung.** (CWU Minute 10)

Voted:— That the Council note with great approval the invitation which has been extended to Dr. Marion Yang and Dr. Vera Hsiung, graduates of the former North China Union Medical College for Women, to join the staff of the School of Medicine on the completion of their present post-graduate work.

684. **Miss Catherine Vance** (CWU Minute 11)

Voted:— That the Council would earnestly request the National Committee of the Y. W. C. A. to give favourable consideration to the possibility of assigning Miss Catherine Vance to the University, to assist in the training of students for social and religious service.

685. **Wider Co-operation in Women's Unit**
(CWU Minute 12)

Voted:— That the Council endorse the statement in the Annual Report of the Dean of Women for 1925-26, calling attention to the immediate need of wider co-operation in the

Women's Unit (see below). In regard to staff, it is recommended that Mission Boards be asked to supply at least one woman teacher in each of the three departments of Education, Religious Education, and the Rural Church. The co-operation of the Women's Committee of the Board of Governors in securing this staff is earnestly solicited.

(Note). "Students in the School of Arts & Science and the School of Theology now constitute two-thirds of the women student-body, but no permanent provision has yet been made for them in dormitory accommodations, current expenses, or staff."

686. Possible New Members of Staff. (CWU Minute 13)

Voted:— That the Women's Committee of the Board of Governors be requested to investigate and make recommendations regarding the possibility of securing the services of Mrs. Hsüeh (née Catherine Ling) and Miss Lu Shu-hsing, now studying in the Universities of Chicago and Michigan respectively, if such should prove suitable for the departments above mentioned.

687. Middle School for Girls (CWU Minute 14)

Voted:— That this Council approve of the University taking the initiative in organising effort to provide Senior Middle School instruction for girls who at present find difficulty in bridging the gap between the middle schools and University work (see page 25 of Bulletin 54), this school, when established, also to serve as a practice school for women students in the University who plan to be teachers. As a first step, interested Missions should be approached, in an effort to secure at least one Chinese and one foreign member of the staff of such a school, with salaries provided by the organisations supplying them. The Council further suggests that efforts be made by the University to secure the sum needed for land and dormitories (Gold \$20,000), as well as a pledge of an annual grant towards current expenses, from the missions or other bodies which would send students to the school.

688. Order of Financial Needs. (CWU Minute 12)

Voted:— That the Council would place the immediate financial needs of the Women's Unit in the following order of importance:— (see Field Board Minutes 654, 656)

1. Provision of additional dormitories.
2. Grant for current expenses for women students in Schools of Arts & Science and Theology.
3. Salary for Chinese Dean of Women.
4. Salaries for additional members of staff.

689. Plot of Land. (CWU Minute 16)

Voted:— That the Council cordially endorse the action of the Field Board of Managers in recommending the purchase of the small plot of land adjoining Leonard Hall.

690. Hospital Plans and Estimate. (CWU Minute 17)

Voted:— That having seen the plans of the proposed new hospital, the Council would heartily endorse the recommendation of the Administrative Council that these be approved, and that the Women's Committee be requested to transfer the sums specified in the Administrative Council minute.

ADJOURNMENT

**MINUTES OF MEETING
OF THE ADMINISTRATIVE COUNCIL
Tsinan, 18th February, 1927.**

691. **Members Present.** (A. C. Minute 0237)

Rev. Yee Hsing Lin (Chairman), Dr. Harold Balme
Dr. C. F. Johnson, and the Rev. A. G. Castleton (Recording
Secretary).

692. **Failure to Secure a Quorum.** (A. C. Minute 0238)

Voted:— That in view of the impossibility of securing
a quorum, and the serious difficulty which would be caused
by any delay in transacting business, the Secretary is hereby
instructed to present the actions of this meeting by cor-
respondence, with the understanding that should three or
more members of the Field Board express their disapproval
of any measure, such action shall be reconsidered at the next
meeting of the Administrative Council; but that, failing such ex-
pression of disapproval, these actions will be regarded as valid.

693. **Theological Degree Regulations** (A. C. Minute 0239)

Voted:— That the Administrative Council endorse the
following changes in the degree regulations for the School
of Theology as approved by the Senate (S. 913):—

Section 5 (a) 3 be amended to read as follows:—

“Of the student's course of study, at least the final year
shall be spent in this institution, and in the case of a can-
didate for the degree of Bachelor of Theology, in addition to
passing the Final Examination in Theology, he shall fulfil such
other conditions as may be prescribed by the Faculty in
each case.”

That for 3 (d) and 3 (i) there be substituted the fol-
lowing:—

“The standard for a pass shall be 65% in each subject,
and the Intermediate or Final Examination shall be reckoned
as 50 per cent of the total mark, and the previous work of the
student as 50 per cent.”

694. **Candidates for Degrees.** (A. C. Minute 0240)

Voted:— That on the recommendation of the Medical
Faculty and of the Senate Degrees be conferred as follows:—
M. B. — Ch'iu Ching Chung, Ch'iao Ping Kuang, Sun Ming Lien,
Wang Yung Jen.

695. **University Registrar.** (A. C. Minute 0241)

Voted:— That on the recommendation of the Senate
Mr. Harold F. Smith be appointed Registrar of the University,
with the understanding that he retain his connection with
the School of Arts & Science and teach such courses in the
Department of Education as his time will permit.

696. **University Treasurer.** (A. C. Minute 0242)

Voted:— That on the recommendation of the Senate
Dr. H. P. Lair be appointed Treasurer of the University, with
the understanding that he will be allowed to retain his
relationship to the Arts School and do some teaching as his
time will permit.

697. **Leave of Absence of the President and
Appointment of Acting-President.** (A. C. Minute 0243)

Voted:— That the Administrative Council sympathise
deeply with the President of the University in the domestic
circumstances that have arisen, making imperative his im-
mediate return to England. They cannot but give permission
for this emergency furlough but trust that home plans may
make possible his speedy return to the University. It was
agreed that during the absence on leave of Dr. Balme, Dr.
MacRae be asked to serve as Acting President, while retaining
the Deanship of the School of Theology.

698. **Vice-Presidency.** (A. C. Minute 0244)

The Report of the Nominating Committee for Chinese
Vice-President was received, but in view of the fact that the
Administrative Council had not a quorum it was felt advisable
to defer action on this question until the Annual Meeting
of the Field Board of Managers.

699. **Financing of the Middle School.** (A. C. Minute 0245)

Voted:— That the Administrative Council approve of the action of the University Senate (S. M. 923) providing for a percentage contribution from the various financial units of the University to provide funds for general university purposes. In the case of the University Middle School they consider that this should only be regarded as a temporary measure to meet a difficult emergency and that it is imperative for the Middle School to secure its own income by direct appropriations or other suitable means.

700. **Annual Budget.** (A. C. Minute 0246)

Voted:— That the budget for the fiscal year, July 1st 1927 to June 30th 1928, as passed by the Senate, be adopted. See page 22.)

**SHANTUNG CHRISTIAN UNIVERSITY
FIELD BOARD OF MANAGERS**

Minutes of the Ninth Annual Meeting

Held at Tsingtao, June 21-22, 1927.

701. **Members Present:**—

Bishop T. A. Scott (Chairman), Rev. E. W. Burt (alternate for Mr. M. S. Lee), Rev. A. G. Castleton, Mr. Chang Ta-ch'en (alternate for Mr. Sung Hui-wu), Dr. C. Y. Cheng, Mrs. Hamilton (alternate for Dr. Bash), Rev. M. A. Hopkins (alternate for Dr. Nelson Bell), Dr. C. F. Johnson, Mr. Kuo Chin-nan, Dr. MacRae, Mr. J. M. Menzies, Dr. Y. Y. Tsu and Mr. Yee Hsing-lin.

702. **Nominating Committee.**

Voted:—That Messrs. MacRae, Castleton and Yee Hsing-lin be appointed a Nominating Committee.

703. **Corresponding Members.**

Voted:—That Dr. Li Tien-lu (Acting Vice-President), Dr. R. T. Shields, Dr. P. C. Kiang and the Rev. H. R. Williamson be invited to sit with the Board as corresponding members during its present sessions.

Minutes passed by circulation.

The following Minutes (Nos. 704-707), having been passed by the Field Board of Managers by circulation, are now included in the official record:—

704. **Associate Dean of the School of Medicine.**

Voted:—That the Field Board of Managers endorse the recommendation of the Senate that Dr. P. C. Kiang be appointed Associate Dean of the School of Medicine.

705. **Acting-Dean of the School of Theology.**

Voted:—That the Field Board of Managers endorse the recommendation of the Senate that Mr. S. C. Lo be appointed Acting-Dean of the School of Theology.

706. Acting Vice-President.

Voted:—That the Field Board of Managers endorse the recommendation of the Senate that Dr. Li Tien-lu be appointed Acting Vice-President.

707. Provisional Senate

Voted:—That the Field Board of Managers endorse the recommendation of the Senate that Drs. Li Tien-lu, P. C. Kiang and Mr. S. C. Lo be an Executive Committee, to act for and on behalf of the Senate, with power to co-opt additional members.

New Minutes.

708. Reports of Administrative Officers.

The reports of the Administrative Officers were presented and accepted as follows:—

- a. Acting-President's Report, by Dr. J. D. MacRae.
- b. Report of the School of Arts & Science, by Dr. Li Tien-lu.
- c. Report of the School of Theology, by Dr. J. D. MacRae.
- d. Report of the School of Medicine, by Dr. R. T. Shields.
- e. Report of the University Hospital, by Dr. E. R. Wheeler.
- f. Report of the Extension Department, by the Rev. H. R. Williamson.
- g. Report of the Dean of Women, by Dr. Luella Miner.
- h. Report of the Library, by Mr. K. P. Pi.
- i. Report of the University Middle School, by Mr. H. F. Smith.
- j. Treasurer's Report, by Mr. R. F. Adgie.

709. Congratulations to Provisional Senate.

Voted:— That the Field Board of Managers place on record its appreciation of the splendid services rendered to the University by the provisional Senate and other committees responsible for its internal administration during the period of emergency due to the enforced departure of the foreign staff. The spirit shown in their willingness to assume full responsibility, and the ability with which it was discharged under difficult circumstances, are full of promise for the whole future of the University.

710. Candidates for Degrees.

Voted:— That on the recommendation of the Medical Faculty and of the Senate, Degrees be conferred as follows:—

M. B.— Han Chung Hsin, Wang Hwei Wen, Hsiao I Sen.

711. Dr. Eric M. North.

Voted:— That the Field Board of Managers has heard with regret of the resignation of Dr. Eric M. North as secretary of the North American Section of the Board of Governors. Throughout the period of his connection with the Board Dr. North's services have been greatly appreciated by those responsible for administration on the field.

712. Resignation of Dr. Han Chung Hsin.

Voted:— That on the recommendation of the Medical Faculty and of the Senate the Field Board regrettably accepts the resignation of Dr. Han Chung Hsin from the staff of the School of Medicine.

713. Resignation of Mr. G. D. Wang.

Voted:— That on the recommendation of the Arts Faculty and of the Senate the Field Board regrettably accepts the resignation of Mr. G. D. Wang from his Associate-professorship in Chemistry in the School of Arts & Science.

714. Resignation of the Rev. S. C. Harrisson.

Voted:— That on the recommendation of the Theological Faculty and of the Senate the Field Board of Managers regrettably accepts the resignation of the Rev. S. C. Harrisson from the staff of the School of Theology.

715. Government Registration.

Voted:— That the Field Board of Managers reaffirm the resolution of the Administrative Council (Min. 665, Nov. 19th 1926), whereby the Council noted with approval the interpretation of the fifth clause of the "Regulations for the Registration of schools supported by funds contributed by foreigners" and expressed its conviction that "with this interpretation government registration would not compromise the Christian purpose of the university."

715. Government Registration.

Further, that they appoint four members from the Field Board to be added to the committee originally appointed by the Senate, and authorise the committee thus constituted, under the chairmanship of Dr. Li Tien-lu, to proceed with registration when conditions appear favourable for such action.

The committee is as follows:—

Dr. Li Tien-lu (Chairman)	Bishop T. A. Scott
Dr. P. C. Kiang	Dr. C. F. Johnson
Dr. R. T. Shields	Dr. Y. Y. Tsu
Dr. J. D. MacRae	Mr. Yee Hsing-lin

STAFF.

716. Reappointment of Dean of Women.

Voted:—That the Field Board of Managers endorse the recommendation of the provisional Senate that Dr. Miner be invited to return after her furlough as Dean of Women.

717. Appointment of Vice-President and of Assistant Dean of Arts & Science.

Voted:—That the Field Board of Managers recommend that Dr. Li Tien-lu be appointed as Vice-President of the University, concurrently with his position as Dean of the School of Arts & Science.

Further, they endorse the recommendation of the School of Arts & Science and of the Senate that Mr. Ch'in Yao T'ing be appointed for one year Assistant Dean of the School of Arts & Science, in order to give special assistance to Dr. Li in the administrative work of that School.

718. Appointment of Acting-Dean of the School of Theology.

Voted:—That the Field Board of Managers endorse the recommendation of the Faculty of the School of Theology and of the Senate that Mr. S. C. Lo, M. A. be appointed acting-Dean of the School of Theology.

719. Appointment of Director of Studies in the School of Medicine.

Voted:—That the Field Board of Managers endorse the recommendation of the Medical Faculty and of the Senate that Dr. P. C. Kiang be appointed Director of Studies (Chiao wu chu jen) in the School of Medicine.

720. Hospital Administration.

Voted:—That the Field Board of Managers endorse the recommendation of the Medical Faculty and of the Senate that the Hospital Administration include the offices of hospital superintendent (Yuan Chang) and of Medical Director (I wu chu jen).

721. Appointment of Dr. C. A. Stanley.

Voted:—That the Field Board of Managers endorse the recommendation of the Faculty of the School of Theology and of the Senate that the Rev. C. A. Stanley D. D. be appointed to the staff of the School of Theology as Associate Professor.

722. Appointment of Dr. H. H. Ts'ui.

Voted:—That the Field Board of Managers endorse the recommendation of the Faculty of the School of Theology and of the Senate that the Rev. H. H. Ts'ui, Ph. D. be appointed to the staff of the School of Theology as Associate Professor, provided that funds are available for his support.

723. Appointment of Mr. Djang Po-hwai, M. A.

Voted:—That the Field Board of Managers endorse the recommendation of the Faculty of the School of Theology and of the Senate that Mr. Djang Po-hwai be appointed to the staff of the School of Theology, and would appeal to the English Baptist Mission to provide his support as one of their representatives.

FINANCE

724. Arts Department Income.

Voted:— That the Field Board of Managers desires to bring to the notice of the Board of Governors the probability of decreased enrolment of students in the autumn, resulting in a reduced income from fees, with no appreciable decrease in expenditure. They would urge that steps be taken to provide for this possible emergency by securing special funds for this purpose.

725. Teacher of English.

Voted:— That the Field Board of Managers appeal to the Methodist Episcopal Mission that, pending the return of Mr. D. C. Baker to the University, the equivalent of Mr. Baker's salary be made available for the employment of a teacher of English.

726. Officers and Committee.

(a) Officers for the ensuing year:

Voted:— That the following officers be elected for the ensuing year:

Chairman: Bishop T. Arnold Scott
Vice-Chairman: Rev. H. L. Yee
Recording Secretary: Rev. A. G. Castleton

(b) Administrative Council:

Voted:— That the following be elected members of the Administrative Council for the ensuing year:

Bishop T. A. Scott (Chairman)
Rev. H. L. Yee
Dr. Chang Po-ling
Dr. Ch'eng Ching-yi
Dr. C. F. Johnson
Miss E. L. Knapp
Dr. Y. Y. Tsu
Mr. Sung Hui-wu
together with the President of the University
ex-officio.

(c) Finance and Property Committee:

Voted:— That the following be elected members of the Finance and Property Committee for the ensuing year:

Dr. C. F. Johnson
Rev. H. L. Yee
Rev. A. G. Castleton
together with the President and Treasurer
ex-officio.

727. Co-opted Members.

Voted:— That the recommendations of the Nominating Committee be accepted and that the following gentlemen be invited to serve as co-opted members of the Field Board of Managers:—

Dr. Chang Po-ling
Mr. Sung Hui-wu
Bishop Grose
Mr. D. Y. Lin
Mr. R. C. Wells

ADJOURNED.

SUMMARY OF BUDGET.

1. GENERAL UNIVERSITY	
A. Administration	\$19,882
B. Instruction	2,000
C. Middle School	2,000
D. Maintenance of Buildings	1,500
E. University Service	4,664 \$ 30,046
2. SCHOOL OF ARTS & SCIENCE	
A. Administration	\$ 7,600
B. Instruction	49,410
C. Departmental Expenses	8,950
D. Maintenance of Plant	8,300
E. Miscellaneous	620 \$ 74,880
3. SCHOOL OF THEOLOGY	
A. Administration	\$ 5,565
B. Instruction	27,466
C. Literary Bureau Expenses	50
D. Books & Magazines	430
E. Maintenance	2,030 \$ 35,541
4. SCHOOL OF MEDICINE	
A. Administration	\$23,700
B. Instruction	91,548
C. Maintenance	9,114
D. Hospital	34,995 \$159,357
5. UNIVERSITY HOSPITAL	
A. Administration	\$10,436
B. Evangelistic	1,200
C. Nursing	12,916
D. Surgical Supplies	5,600
E. Medical Apparatus	200
F. Out-patient Department	6,149
G. Pharmacy	7,908
Carried forward \$299,824	

	Brought forward \$299,824
H. X-Ray Department	800
I. Kitchen	11,000
J. Laundry	1,600
K. Maintenance	10,300 \$ 81,671
6. EXTENSION DEPARTMENT	
A. Salaries	\$ 6,570
B. Wages	2,580
C. Rent	300
D. Travel	300
E. General Expenses	3,630 \$ 13,380
7. LIBRARY.	
A. Administration	\$ 1,450
B. Books, Periodicals	7,130
C. Maintenance	1,350 9,930
	Total \$ 404,805
	Less Transfers 52,125
	<u>\$ 352,680</u>

II

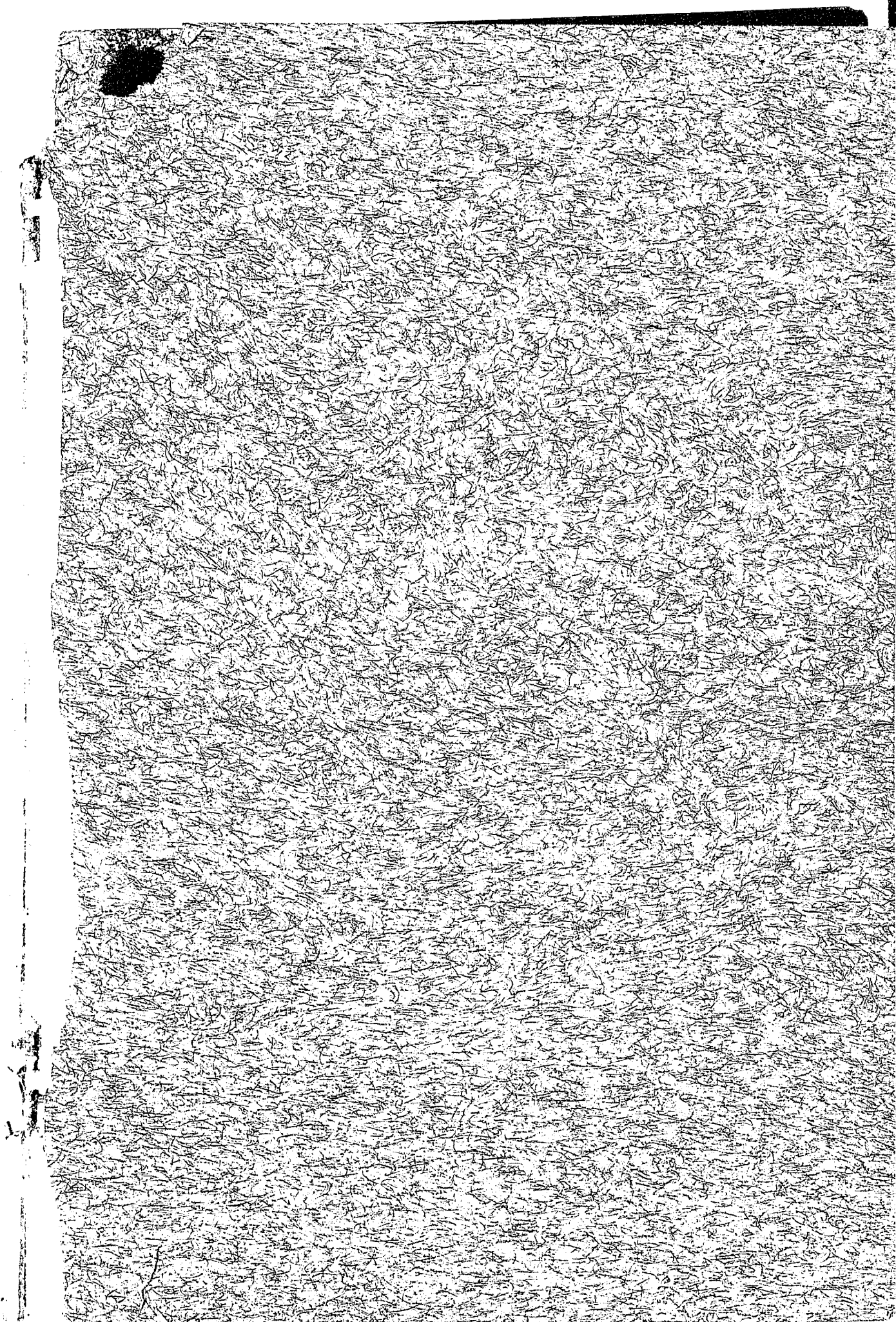
	<i>Minute Number</i>
Finance:	
Arts Department Income	724
Budget 1927-28	700
E. B. M. Appropriation	673e
English Teacher	725
Graduation Fee	672
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Power Plant	673c
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Plans	673a,690
Social & Religious Department	682
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Hsieh, Mrs.	686
Kiang, Dr. P. C.	704,719
Lair, Dr. H. P.	696
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Djang, Mr. Po-hwai	723
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Harrison, Rev. L. C.	714
Kiang, Dr. P. C.	704,719
Lair, Dr. H. P.	696
Li, Dr. T. L.	706,717
Lo, Mr. S. C.	705,718
MacRae, Dr. J. D.	697
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ASSOCIATED
BOARDS

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SHANTUNG CHRISTIAN UNIVERSITY
TSINAN, CHINA

Bulletin of
General Information

1928

University Bulletins No. 57

PRINTED AT THE UNIVERSITY PRESS

SHANTUNG CHRISTIAN UNIVERSITY
University Bulletin #57

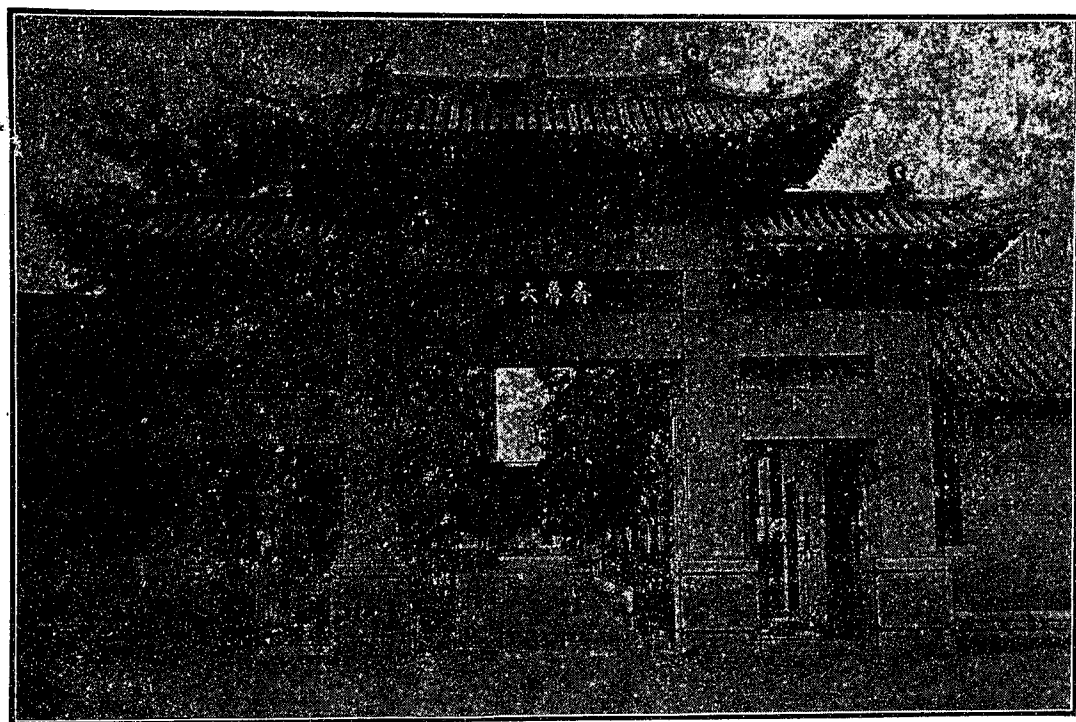
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TSINAN, CHINA

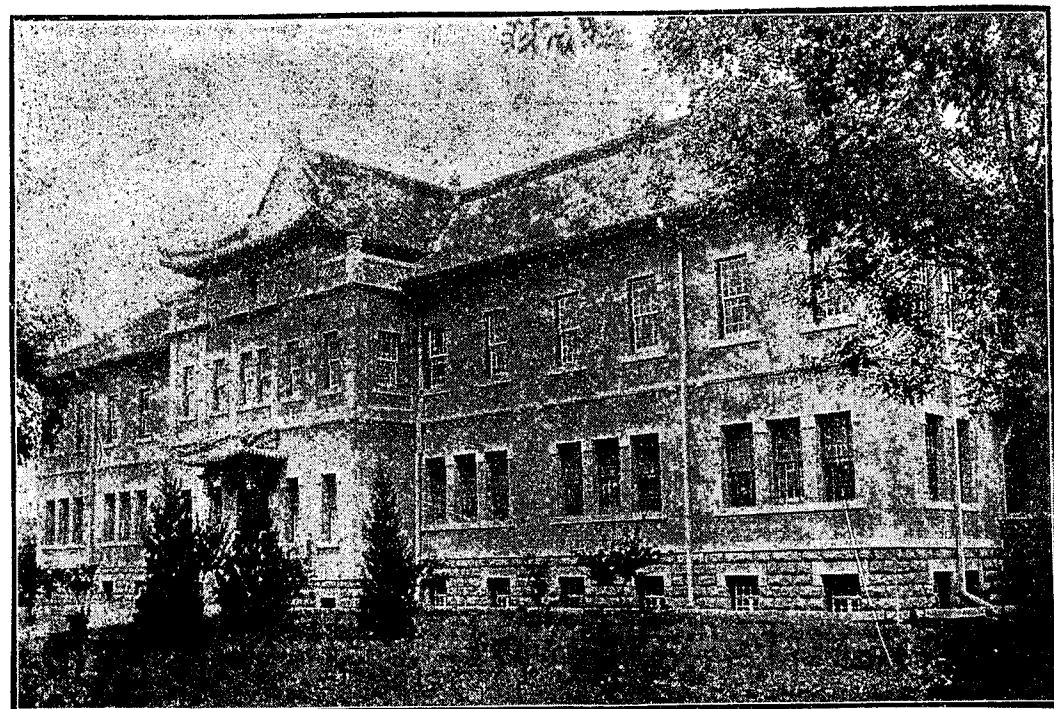
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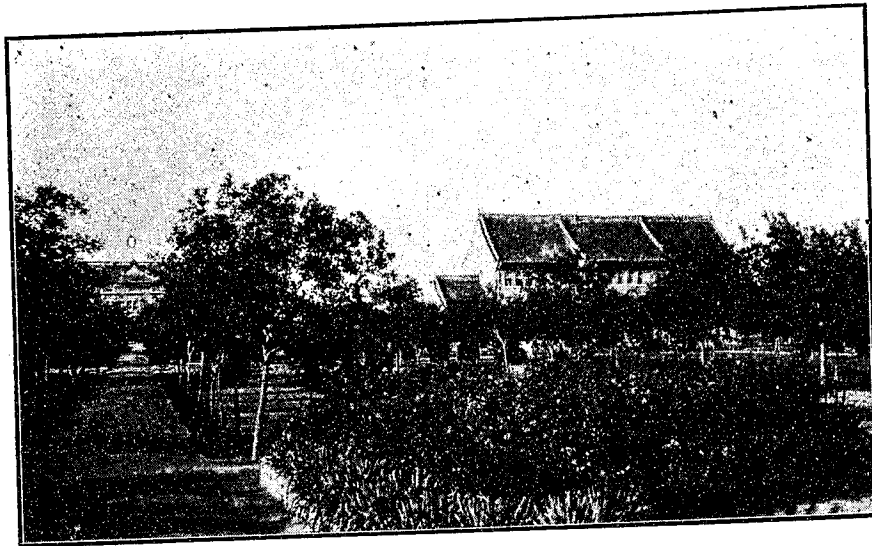
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THE ALUMNI GATE



McCORMICK ADMINISTRATION HALL



CAMPUS LOOKING NORTH



WOMEN'S DORMITORY

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UNIVERSITY CALENDAR

1928 - 1929

1928

Jan. 2	New Year Holiday.
Jan. 18	Fall Semester closes. Graduation exercises.
Jan. 22	Chinese New Year.
Feb. 6	English placement examination and physical examination for all new students.
Feb. 8	Spring Semester opens. Registration and payment of fees, all Schools.
Feb. 9	Classes begin.
April 6	Good Friday.
April 4, 5, 6	Ch'ing Ming Holidays.
April 28	University Field Day.
May 9	National Holiday.
June 1	Last day for receiving applications for July entrance examinations.
June 13	Spring Semester closes. Graduation exercises.
June 20, 21, 22	Entrance examinations to School of Medicine.
July 2, 3, 4	University entrance examinations at Tsinan and other centres.
July 4	University Summer Session opens.
August 1	University Summer Session closes.
Sept. 5, 6, 7	University entrance examinations at Tsinan only.
Sept. 10	English placement examination and physical examination for all new students.
Sept. 12	Fall Semester opens. Registration and payment of fees all Schools.
Sept. 13	Classes begin.
Sept. 28	Autumn Festival.
Oct. 10	Confucius birthday.
Oct. 9, 10, 11	National Holidays, Inter-Middle School Meet.
Dec. 24, 25, 26	Christmas Holidays.

1929

Jan. 1	New Year Holiday.
Jan. 16	Fall Semester closes.
Feb. 10	Chinese New Year.
Feb. 18	English placement examination and physical examination for all new students.

Feb. 20	Spring Semester opens. Registration and payment of fees, all Schools.
Feb. 21	Classes begin.
Mar. 29	Good Friday.
April 4, 5, 6,	Ch'ing Ming Holidays.
April 27	University Field Day.
May 9	National Holiday.
June 1	Last day for receiving applications for the July entrance examinations.
June 26	Spring Semester closes, Graduation exercises.
July 1, 2, 3,	Entrance Examinations to School of Medicine.
July 1, 2, 3,	University entrance examinations at Tsinan and other centres.
July 10,	University Summer Session opens.
August 7	University Summer Session closes.
Sept. 16	English placement examination and physical examination for all new students.
Sept. 18	Fall Semester opens. Registration and payment of fees, all Schools.

CHARTER OF INCORPORATION

An Act to incorporate Shantung Christian University, as passed by the Dominion Parliament of Canada, and assented to by His Majesty George V. July 19th, 1924.

WHEREAS the University known as "Shantung Christian Preamble University" has heretofore been operated by and under the control of the following Christian missionary bodies amongst others, namely:—

The Board of Foreign Missions of the Presbyterian Church in Canada;

The Board of Foreign Missions of the Presbyterian Church in the United States of America;

The Board of Foreign Missions of the Presbyterian Church in the United States;

The Women's Foreign Missionary Society of the Methodist Episcopal Church;

all co-operating through the North American Joint Board of Shantung Christian University; and—

The Baptist Missionary Society;

The Society for the Propagation of the Gospel in Foreign Parts;

The London Missionary Society;

The Wesleyan Methodist Missionary Society;

The Wesleyan Methodist Missionary Society, Woman's Auxiliary;

The Foreign Missions Committee of the Presbyterian Church;

all co-operating through the British Joint Board of Shantung Christian University:

And whereas the persons hereinafter named purpose to maintain in Tsinan, or elsewhere in China, the said Shantung

Christian University as a University founded and conducted on Christian but not sectarian principles:

And whereas the said persons with the consent of the aforementioned bodies have by their petition prayed that it be enacted as hereinafter set forth, and it is expedient to grant the prayer of the said petition: Therefore His Majesty by and with the consent of the Senate and House of Commons of Canada, enacts as follows:—

Incorporation. 1. The Reverend Alfred Gandier, LL.D., chairman of the Board of Missions of the Presbyterian Church in Canada, clergyman, the Reverend Robert P. MacKay, D.D., secretary of the Board of Missions of the Presbyterian Church in Canada, clergyman, the Reverend Allan E. Armstrong, secretary of the Board of Missions of the Presbyterian Church in Canada, clergyman, the Reverend John D. MacRae, dean of the Faculty of Theology of Shantung Christian University, clergyman, and Edward Warner Wright, solicitor, all domiciled in the province of Ontario and resident in the city of Toronto, together with the persons who may hereafter be members of the board of governors, are hereby incorporated under the name of "Shantung Christian University", hereinafter called "the University."

Corporate name.

Authority for University in China. 2. The University may, in so far as authority from the Parliament of Canada is requisite for such purposes, establish, maintain and carry on a university within the Republic of China in accordance with this Act.

Acquisition of assets of other such Universities. 3. The University may acquire the whole or any part of the rights and property of any university now carrying on or authorized to carry on the work of a university in the Republic of China.

Provisional board of governors. 4. The persons named in section one of this Act, or a majority of them, shall be the provisional board of governors of the University, and shall hold office as such until replaced by the permanent board of governors duly appointed in their stead.

Organization meeting. 5. The provisional board of governors shall within one year of the passing of this Act, call a meeting at such time and place as they may deem proper, of representatives of the bodies

hereinbefore mentioned, and of such other bodies or organizations as they may deem advisable, by sending to the secretaries for the time being of such bodies or organizations, including the said two joint boards, such notice as the provisional board of governors may consider sufficient for the purpose, for the election and organization of the board of governors hereinafter referred to, and for the transaction of such further and other business as may be mentioned in the notice calling the meeting. The basis of representation at such meeting shall be that on the already existing North American and British Joint Boards of the University.

Notice.
Representation.

6. The head office of the University shall be in the city of Toronto in the province of Ontario, but the University may establish an office or offices and keep its books and records, and hold its meetings, or the meetings of any of its boards or committees, at any place or places which may be deemed convenient.

Head office.

7. (1) There shall be a board of governors, chiefly representative of the co-operative missionary organizations, hereinafter called "the Board", chosen in such manner and number from time to time as may be determined by the by-laws.

Board of Governors.

(2) The Board may elect appropriate officers and constitute appropriate committees, may adopt a corporate seal for the University, and may from time to time enact by-laws and repeal or amend the same, and unless and until other or different provisions are made by the Board by by-law:—

Powers of Board.

- (a) The government, conduct, management and control of the University, and of the property, revenues, business and affairs thereof shall be exercised by the Board; **Government.**
- (b) The property acquired by the University may be re-invested as the Board may provide, but subject to the terms of the trusts affecting such property; **Property.**
- (c) Any person may, subject to the approval of the Board, endow a chair or found a scholarship; **Endowments.**
- (d) The Board shall have power to purchase, receive, accept, appropriate and acquire and hold all lands **Lands.**

- and other property given to or acquired for the University;
- Audit.** (e) The accounts of the Board shall be audited at least once a year;
- Quorum.** (f) The Board may fix the number necessary to constitute a quorum, and may provide for representation of the members thereof by alternates or by proxy;
- Proxies.** (g) The Board may, if deemed advisable, be subdivided, by by-law into a North American Section and a British Section; and all acts done concurrently by both sections shall have the same force and effect as if done at a meeting of the whole Board.
- Subdivisions of Board.**
- Annual general meeting.** 8. There shall be held annually a general meeting of the Board, the place and time of each such meeting to be determined by the Board. At every annual general meeting a full statement of the affairs of the University shall be presented.
- Field Board of Managers in China.** 9. There shall be in China a Field Board of Managers of the University, the members of which shall be from time to time appointed and elected as the Board may by by-law from time to time authorize. The Field Board of Managers shall have the duties and powers from time to time authorized by the Board by by-law.
- Granting degrees.** 10. The University may, subject to such regulations as the Board may by by-law enact, grant such credentials and degrees, including honorary degrees, as are in accordance with the laws of China.
- Affiliation.** 11. The University may affiliate with other colleges or universities.
- Real and personal property.** 12. The University may take, hold, possess or acquire by purchase, lease, exchange, donation, devise, bequest, endowment, or otherwise, such real and personal property as may be necessary or requisite for carrying out its purposes and objects: and may sell, mortgage, pledge, hypothecate or alienate such property in any manner whatever.
- Borrowing powers.** 13. (1) If authorized by by-law, sanctioned by the vote of not less than two-thirds of the members present at any meeting of the Board duly called for considering the by-law,

the Board may, from time to time, as and when required for the objects of the University:—

- (a) borrow money upon the credit of the University;
- (b) limit or increase the amount to be borrowed;
- (c) make, accept, draw, endorse and execute bills of exchange, promissory notes and other negotiable instruments;
- (d) invest the funds of the University in such manner and upon such securities as are determined by the by-law.
- (2) Nothing in this section shall be construed to authorize the Board to issue any note or bill payable to bearer thereof, or any promissory note intended to be circulated as money or as the note or bill of a bank, or to engage in the business of banking or insurance. Limitation.

BOARDS OF ADMINISTRATION

BOARD OF GOVERNORS NORTH AMERICAN SECTION

ADDRESS: 150 FIFTH AVENUE, NEW YORK CITY.

HENRY J. COCHRAN, B. A., *Chairman*
Coopted

PRINCIPAL ALFRED GANDIER, D. D., LL. D., *Vice-Chairman*
Representing the Board of Foreign Missions of the United Church
of Canada

BETTICE A. GARSIDE, M. A., *Secretary*
Coopted

MRS. A. K. SHAW, *Treasurer*
Representing the Board of Foreign Missions of the Presbyterian
Church in the U. S. A.

A. E. ARMSTRONG, M. A., D. D.
Representing the Board of Foreign Missions of the United Church
of Canada

MRS. J. M. AVANN
Representing the Women's Foreign Missionary Society of the Metho-
dist Episcopal Church

ARTHUR J. BROWN, D. D., LL. D.
Representing the Board of Foreign Missions of the Presbyterian
Church in the U. S. A.

S. H. CHESTER, D. D.
Representing the Board of Foreign Missions of the Presbyterian
Church in the U. S.

ROBERT L. DICKINSON, M. D.
Coopted

— 8 —

— 9 —

EDWARD M. DODD, M. D. (Alternate)
Representing the Board of Foreign Missions of the Presbyterian
Church in the U. S. A.

JOHN H. FINLEY, LL. D.
Coopted

MRS. WM. I. HAVEN
Representing the Women's Foreign Missionary Society of the Metho-
dist Episcopal Church

MISS MARGARET E. HODGE
Representing the Board of Foreign Missions of the Presbyterian
Church in the U. S. A.

MRS. WM. F. MCDOWELL
Representing the Women's Foreign Missionary Society of the Metho-
dist Episcopal Church

R. P. MACKAY, D. D.
Representing the Board of Foreign Missions of the United Church
of Canada

PAUL MONROE, PH. D., LL. D.
Coopted

SETH MILLIKEN, M. D.
Coopted

MRS. CHARLES K. ROYS
Representing the Board of Foreign Missions of the Presbyterian
Church in the U. S. A.

GEO. T. SCOTT, D. D.
Representing the Board of Foreign Missions of the Presbyterian
Church in the U. S. A.

A. G. SINCLAIR, D. D. (Alternate)
Representing the Board of Foreign Missions of the United Church
of Canada

ROBERT E. SPEER, D. D., LL. D. (Alternate)
Representing the Board of Foreign Missions of the Presbyterian
Church in the U. S. A.

W. E. STRONG, D. D.
Representing the American Board of Commissioners for Foreign
Missions

EDWIN F. WILLIS, (Alternate)
Representing the Board of Foreign Missions of the Presbyterian
Church in the U. S.

BRITISH SECTION

ADDRESS: 22, FURNIVAL STREET, LONDON, E. C. 4

- PROF. PERCY J. BRUCE, M. A., D. LIT., *Chairman*
Coopted
- H. H. WEIR, M. B., B. S., *Secretary*
Representing the Society for the Propagation of the Gospel in
Foreign Parts
- REV. C. W. ANDREWS, B. D.
Representing the Wesleyan Methodist Missionary Society
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Representing the Society for the Propagation of the Gospel in
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Copted

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Representing the English Baptist Mission

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Ex Officio

LIN DAO-YANG, Tsingtao, Shantung
Copted

LIN TSI-I, Tsingtao, Shantung
Representing the American Presbyterian Mission, North

J. D. MACRAE, D. D., President, Shantung Christian University
Ex Officio

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MISS MARY SCOTT, PEKING
Representing the Women's Committee

C. G. SPARHAM, Shanghai
Representing the London Mission

SUNG HWEI-WU, Tsinan
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W. T. TAO, Ph. D., Peking
Copted

MISS TING SHU-CHING, Shanghai
Representing the American Board Mission

TSU YU-YUE, PH. D., Peking
Copted

RALPH C. WELLS, M. A., Shanghai
Copted

GEORGE C. WORTH, M. D.
(alternate for Mrs. Grier)

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- LI TIEN-LU, B. A., M. A., Ph. D.,
Vice President and Dean of the School of Arts and Science
- RANDOLPH TUCKER SHIELDS, B. A., M. D.
Dean of the School of Medicine
- LO SHIH-CH'I, Ph. B., M. A.
Acting Dean of the School of Theology
- EDWIN ROBERT WHEELER, M. B., B. S., F. R. C. S.
Superintendent of the University Hospital
- WILLIAM PERCY PAILING, B. D., M. P. S., Ph. C.
Acting Superintendent of the Extension Department
- ANNIE V. SCOTT, B. S., M. D.
Acting Dean of Women
- HOWELL PORTMAN LAIR, B. A., B. D., S. T. M., D. D.
Treasurer
- HAROLD FREDERICK SMITH, B. A., M. A.
Registrar
- PETER CH'ING KIANG, B. A., M. D.
Representing the Faculty of the School of Medicine
- ERNEST B. STRUTHERS, B. A., M. B., D. T. M. & H.
Representing the Faculty of the School of Medicine
- JOHN J. HEEREN, B. A., B. D., M. A., Ph. D.
Representing the Faculty of the School of Arts and Science
- DZANG HUI-CH'UAN, (S. C. U.)
Representing the Faculty of the School of Arts and Science
- TS'UI HSIEN-HSIANG, Th. D.
Representing the Faculty of the School of Theology
- SUSAN S. WADDELL, B. S., M. D.
Representing the Women's Unit

THE UNIVERSITY STAFF

(A) OFFICERS OF ADMINISTRATION

† JOHN DONALD MACRAE, 瑞思培, B. A., B. D., D. D.

President
Dean of the School of Theology
Professor of New Testament Exegesis and Literature

B. A., University of Manitoba, 1904; B. D., 1913; Knox College, Toronto, 1905-07; United Free Church College, Glasgow, 1907-08; University of Marburg, 1908; D. D., Westminster, 1924; United Church of Canada Mission (C. P. M.) 1909—. Honan, 1909-19. Professor of New Testament Exegesis and Literature, 1919—; Dean of the School of Theology, 1920—; Acting President of the University, 1925, 1927; President, 1927—.

* † LI TIEN-LU, 李天祿, B. A., M. A., Ph. D.

Vice-President
Dean of the School of Arts and Science
Professor and Head of the Department of Education

B. A., Peking University (Methodist), 1908; M. A., Vanderbilt, 1914; Ph. D., Vanderbilt, 1916. Member of Conference of North China Methodist Episcopal Mission, Ordained Deacon, 1919; Ordained Elder, 1920. Dean of Peking Academy, 1919-22; President of Peking Academy, 1922-3. Professor of Education, S. C. U., 1924—; Head of Department of Education, 1923—; Dean of the School of Arts and Science, 1923—, Vice-President, 1927—.

* † RANDOLPH TUCKER SHIELDS, 施爾德, B. A., M. D.

Dean of the School of Medicine
Professor of Histology and Embryology

B. A., Washington and Lee University, 1898; M. D., Medical College of Virginia, 1901; Assistant in Anatomy, Johns Hopkins Medical School, 1921-22. Medical Missionary, A. P. M. S., 1905—. Chekiang, 1905-8; Soochow Medical School, 1908-9; Dean of Medical Faculty, University of Nanking, 1909-17. School of Medicine, 1917—; Professor of Histology and Embryology, 1919—; Acting Dean of School of Arts and Science, 1919-20; Dean of School of Medicine 1926—.

In the spelling of names of Chinese members of the staff, the Wade system of romanization is used except in cases where individuals prefer some different spelling.

† Ordained

* Absent Spring 1928

PETER CH'ING KIANG, 江清, B. A., M. D.
Director of Studies of the School of Medicine
Professor of Bio-Chemistry

B. A., St. John's University, 1921; M. D., University of Pennsylvania, 1915; Graduate student of Harvard Medical School and of Johns Hopkins Medical School, 1915-17; Demonstrator in Anatomy, Harvard Medical School of China; Physician to St. James' Hospital and to the Anhwei Civil Governor's Yamen, Anking, 1917-19; Adviser to the Shantung Civil Governor's Yamen, Tsinan, 1924-25. Associate Professor of Bio-chemistry, 1919-22; Professor 1922—. Director of Studies, 1927—.

LO SHIH-CH'I, 羅世琦, Ph. B., M. A.
Acting Dean of the School of Theology
Associate Professor of Religious Education

Graduate of School of Arts and Science, 1914; Head-teacher of Kihwa Baptist Academy, and Hangchow Union Girls' High School, 1915-1917; Ph. B., Denison University, 1918; Y. M. C. A. Chinese Labour Corps, France, 1918-1919; Rochester Theological Seminary, 1919-1920; Union Theological Seminary, 1920-1922; M. A., Columbia, 1921; Kihwa, Chekiang, A. B. M. N., 1922-23. Associate Professor of Religious Education, 1924—; Acting Dean of the School of Theology, 1927—.

*S. LUELLA MINER, 麥美德, B. A., M. A., Litt. D.
Dean of Women
Professor of Religious Education

B. A., Oberlin, 1884; M. A., 1897; Litt. D., 1914. Missionary, American Board, 1923—. Lu-ho Academy and North China Union College, Tungchow, 1888-1902; Principal Bridgman Academy, 1904-13; President of North China Union Women's College, 1905-20; Dean of Yenching College, 1920-22. Professor of Religious Education, 1923—; Acting Dean of Women, 1923—; Dean of Women 1925—.

ANNIE V. SCOTT, 史安納, B. S., M. D.
Acting Dean of Women
Associate Professor of Pediatrics

B. S., North Carolina State College for Women, 1914; M. D., Women's Medical College of Pennsylvania, 1918. Missionary, A. P. M. N., 1920—. North China Union Medical College for Women, 1920-24. Associate Professor of Pediatrics, 1924—; Acting Dean of Women 1927—.

† HOWELL PORTMAN LAIR, 賴思源, B. A., B. D., S. T. M., D. D.
Treasurer

Professor, and Head of the Department of Religious Instruction
 B. A., College of Emporia, 1906; B. D., McCormick Theological Seminary, 1913; S. T. M., Union Theological Seminary, 1922; D. D., College of Emporia, 1923. High School Principal, Dodge City, Kan., 1906-07; Instructor, Syrian Protestant College, Beirut, 1909-12; Missionary, A. P. M. N., 1914—. Hainan, 1914. School of Arts and Science, 1915—; Associate Professor and Acting Head of Department of Religious Instruction, 1919-23; Professor, and Head of Department of Religious Instruction, 1923—; Treasurer 1927—.

HAROLD FREDERICK SMITH, 明顯文, B. A., M. A.
Registrar
Associate Professor of Education
Principal of the University Middle School

B. A., Stanford University, 1907; M. A., Columbia University, 1908. Missionary, A. P. M. N., 1910—. Chefoo, 1910-22. Associate Professor of Education, 1923—; Director of Admissions, 1924-26; Director of Summer School, 1925; Principal of University Middle School, 1926—; Registrar, 1927—.

HSIEH LIN-CHANG, 謝麟章
Assistant Registrar and Assistant Treasurer

Graduate, Temple Hill English School, Chefoo, 1916. Assistant to Treasurer and Registrar, 1917-22; Assistant Registrar, 1922—.

CH'IN YAO-T'ING, 秦耀庭, (S. C. U.)
Assistant Dean of the School of Arts and Science
Associate Professor of Biology

Graduate of School of Arts and Science, 1914; Teacher of Biology in School of Arts and Science, 1914-19; Associate Professor, 1919—; Assistant Dean of School of Arts and Science, 1927—.

EDWIN ROBERT WHEELER, 惠義路, M. B., B. S., F. R. C. S.
Superintendent of the University Hospital
Professor of Surgery

Kings College and Hospital, University of London, 1898-1903; M. R. C. S., L. R. C. P., 1903; M. B., B. S. (Lond.), 1905; F. R. C. S. (Eng.), 1923. Captain, R. A. M. C., 1918-19. Medical Missionary, E. B. M., 1917—. Surgeon to Peking U. M. C. and Hospital, 1907-16. Professor of Surgery, School of Medicine, 1917—; Superintendent of Hospital, 1919—.

ERNEST B. STRUTHERS, 杜儒德, B. A., M. B., D. T. M. and H.
Medical Director of Hospital
Associate Professor of Medicine

B. A., University College, Toronto, 1910; M. B., Toronto, 1912.; Diploma in Tropical Medicine and Hygiene of the Conjoint Board (Royal College of Physicians of London and the Royal College of Surgeons of England). Medical Missionary, L. M. S., Hongkong, 1913-14; U. C. C. M. (C. P. M.), 1914—; Honan, 1914-20. School of Medicine, 1921—; Associate Professor of Medicine, 1923—; University Health Officer, 1922-23; Medical Director of the Hospital, 1927—.

WANG HWEI-WEN, 王會文, M. B.
Assistant Superintendent of the Hospital
Assistant Professor of Anatomy
University Health Officer

Graduate of School of Medicine, 1915; Interne and Resident Surgeon, University Hospital, 1915-18; Assistant in Anatomy, 1918-22; Instructor, 1922-24; Assistant Professor, 1924—; Assistant Superintendent of University Hospital, 1927—; University Health Officer, 1927-28.

OFFICERS OF ADMINISTRATION

WU FA YU, 武法堉, (S. C. U.)
Assistant Superintendent of the Hospital
Resident Surgeon

Graduate of School of Medicine, 1924; Interne, P. U. M. C., 1924-25; Assistant Resident Surgeon, American Church Hospital, Wushih, 1925-26. Resident Surgeon, S. C. U. Hospital, 1926—; Assistant Superintendent of the Hospital, 1927—.

FRANCES R. WILSON, 宋芳溪, B. S., R. N.
Superintendent of the Nurses' Training School

Baker University, 1902-05; R. N., Wesley Hospital, Chicago, 1910; B. S., Diploma of Sup't. of Nursing and Sup't. of Schools of Nursing, Teachers College, Columbia University, 1922; Superintendent of Nursing, Washington Park Hospital, Chicago, 1911-12; Superintendent of Nursing, Nebraska Methodist Hospital, 1912-14; Missionary, M. E. W. F. M. S., 1914—; Sleeper Davis Hospital, 1914-27. Superintendent of the Nurses' Training School, 1927—.

MARGARET LOGAN, 羅根
Associate Superintendent of the Nurses' Training School

Graduate, Royal Infirmary, Glasgow, 1908; Ward Sister, Royal Infirmary, 1908-9. Missionary, B. M. S., Shantung, 1910—. Nursing Superintendent, University Hospital, 1913—.

* † HENRY R. WILLIAMSON, 魏禮模, M. A., B. D.
Director of the Extension Department

M. A., B. D., London, 1907; Missionary, B. M. S., 1908—. Director of the Extension Department, 1926—.

† WILLIAM PERCY PAILING, 裴維廉, B. D., M. P. S., Ph. C.
Acting Superintendent of the Extension Department
Associate Professor of Materia Medica and Pharmacy
Chaplain of the University Hospital

M. P. S., London, 1909; Ph. C., London, 1910; B. D., London, 1914; Regents Park College, University of London, 1911-14. Missionary, B. M. S., Shantung, 1914—; University Hospital Pharmacist, 1916-24; University Hospital Chaplain, 1916—; Associate Professor of Materia Medica and Pharmacy, 1924—; Acting Superintendent of the Extension Department, 1927—.

* JOHN CHIH-PEI KWEL, 桂質柏, B. A.
Librarian

B. A., Boone University, 1922; Graduate Boone Library School, Wuchang, 1922. Assistant Librarian, P. U. M. C., 1922-3. Assistant Librarian, 1923-4; Librarian, 1924—; Librarian, Chinese Section Columbia University Library, 1926-27.

P'I KAO-PING, 皮高品, B. A.
Acting Librarian

B. A., Boone University, 1925. Librarian, Nankai School Library, 1925-26. Acting Librarian, Shantung Christian University Library, 1926—.

OFFICERS OF ADMINISTRATION

† JOSEPH WALTER HUNTER, 胡約瑟
Organist and Choir Master
Associate Professor of Fine Arts

Graduate, Saint Augustine's College, Canterbury. Missionary, Church of England Mission, 1904—. Taian, 1905-13; Teacher of History in School of Arts and Science, 1913-18; Associate Professor, 1920—; Acting Dean, Arts and Science, 1921-22; Acting Registrar, 1920-22; Registrar, 1922-26; Treasurer, 1923-26; Associate Professor of Fine Arts, 1927—; Organist and Choir Master, 1917-25, 1927—.

PERCY LONSDALE McALL, 孟合理, B. A., M. B., Ch. B.
Head of Translation Bureau
Lecturer in the School of Medicine

B. A., Cambridge, 1892; M. B., Ch. B., University of Edinburgh, 1898. Medical Missionary, L. M. S., 1898—. Hankow, 1898-1920; Joint Charge of Union Medical College and L. M. S. Men's Hospital, Hankow, 1902-18. Lecturer in the Medical School, and Member of Faculty, 1920—; Member of Scientific Terminology Committee for China, and Translator of Various Medical Books; Head of Medical Translation Bureau, 1920—.

* LEROY FRANCIS HEIMBURGER, 海貝殖, M. D.
Superintendent of the Hospital for Lepers
Associate Professor of Dermatology

Graduate, St. Louis University School of Medicine, 1912. Assistant in Dermatology and Syphilology, Barnes Hospital, St. Louis Children's Hospital, etc., 1921-22. Missionary, A. P. M. N., 1913—. Weihsien, 1913-21; Associate Professor of Dermatology; 1923—; Superintendent of the Hospital for Lepers, 1926—.

HSU SHU-P'ING, 許樹屏
Assistant Superintendent of the Hospital for Lepers

Graduate, Kuang Tsi Medical College, Hangchow, 1925. Resident Physician, Kuang Tsi Hospital, 1925; Physician and Assistant Superintendent of the Hospital for Lepers, 1927—.

CHANG MAO-LIN, 張茂林, B. P.
Physical Instructor

B. P., School of Physical Education, Southeastern University, 1925; Physical Director, Nankai University, 1925-27. Physical Instructor, 1927—.

(B) TEACHING STAFF

(I) SCHOOL OF ARTS AND SCIENCE

* ADOLPH, WILLIAM HENRY, 寶維廉, B. A., Ph. D.
Professor, and Head of the Department of Chemistry

B. A., University of Pennsylvania, 1912; Ph. D., 1915. Assistant in Chemistry, and Assistant in Physics, University of Pennsylvania, 1911-14; Instructor in Chemistry, University of Illinois, 1920-21. Missionary, A. P. M. N., 1915—. Instructor in Chemistry, 1915-17, Associate Professor of Chemistry, 1917-22; Head of Department of Chemistry, 1917—; Professor of Chemistry, 1922—.

* BAKER, DWIGHT CONDO, 貝克爾, B. L., M. A., Ph. D.
Associate Professor of English

B. A., University of California, 1914; M. A., 1915; Ph. D., 1927. Instructor, Y. M. C. A., San Francisco, 1914-15; Instructor, Y. M. C. A., Tientsin, 1915-17; Student Work, Y. M. C. A., Peking, 1917-18; Y. M. C. A. Work in Franco-Chinese Labor Corps, 1918-19. Missionary, Methodist Episcopal Board, 1920—. Taian, 1920-24; English Department, 1924—; Acting Head of English Department, 1925-26.

CHANG, DAVID CHENG, 張鋒, B. Sc., M. Sc.
Acting Head of the Department of Physics

B. Sc., Peiyang University, Tientsin, 1919; Graduate student in Metallurgical Engineering, Carnegie Institute of Technology, Pittsburgh, 1920; Assistant Engineer, National Tube Co., McKeesport, Pa., 1922; M. Sc., University of Pittsburgh, Pittsburgh, 1923; Assistant Engineer, Chevrolet Motor Co., Flint, Mich., 1924; Assistant Engineer, United Verde Copper Co., Jerome, Ariz., 1925; Professor of Mining, Shantung University, Tsinan, 1925-27. Associate Professor, and Acting Head of Department of Physics, 1927—.

CHANG LI-CHIH, 張立志, (S. C. U.)
Assistant Professor of History

Graduate, School of Arts and Science, 1923; Assistant Instructor in History Department, 1923-26; Assistant Professor, 1926—.

CHANG MAO-LIN, 張茂林, B. P.
Physical Instructor

(See under the heading, Officers of Administration)

CH'ENG CH'I PAO, 程其保, B. S., M. A., Ph. D.
Department of Education

B. S., M. A., Ph. D.; Professor of Education, 1923—26, National Southeastern University. Acting President and Dean of Shanghai College of Commerce, 1926-27. Department of Education, 1927—.

CH'IN YAO-T'ING, 秦耀庭, (S. C. U.)
Assistant Dean of the School of Arts and Science
Associate Professor of Biology

(See under the heading, Officers of Administration)

CH'IN YU, 秦慧伽, B. Sc., M. A.
Lecturer in English

B. Sc. in Mining and Metallurgy, Peiyang University, Tientsin, 1919; M. A., Columbia University, New York, 1920; Graduate student, Department of Electrical Engineering, Cornell University, Ithaca, 1921. Professor of Electrical and Mechanical Engineering, Shantung Mining College, Tsinan, 1922-25; Technical Expert, Ministry of Agriculture and Commerce, 1925—. Lecturer in English, 1927—.

* CHOU KAN-T'ING, 周幹庭, 拔貢

Associate Professor and Head of the Department of Chinese

Pa Kung (Chinese Degree), 1897; Graduate, Hung Wen College, Japan, 1903; Associate Professor and Head of Department of Chinese, 1920—.

*† DRAKE FREDERICK SEGUIER, 林森, B. A., B. D.
Associate Professor of Education

Regents Park College, University of London, 1909-14; B. A., London, 1912; B. D., 1914; Teacher's Diploma, 1923; Geography Diploma, 1924. Missionary, B. M. S. Shantung, 1915—. Peichen, 1915-18; in France with Chinese Labor Corps, 1918-19; Tsingchowfu, 1919-22; School of Arts and Science, 1922—; Associate Professor in Department of Education, 1924—; Principal, Gotch-Robinson Middle School, 1925-27.

DZANG HUEI-CH'UAN, 臧惠泉, (S. C. U.)

Assistant Professor and Acting Head of the Department of Chemistry

Graduate of the School of Arts and Science, 1916. Assistant Instructor in Chemistry, 1919-20; Instructor in Chemistry, 1920—; Assistant Professor and Acting Head of the Department, 1927—.

* GARSIDE, BETTICE ALSTON, 葛思德, B. A., M. A.
Associate Professor of Education

B. A., University of Oklahoma, 1913; Hartford Seminary Foundation, 1916-17; M. A., Columbia University, 1922. Superintendent of Public Schools, 1913-16, 1920-21; War Service, 1917-19, Missionary, A. P. M. N., 1922—. Weih sien, 1923; Associate Professor of Education, 1924—; Secretary, China Union Universities, 1927—.

* HARKNESS, HAROLD WILSON, 夏景文, B. A., B. Sc., A.M.E.I.C.
Professor and Head of the Department of Physics

B. Sc. (Honors) in Engineering, Queens University, Kingston, 1913; B. A., 1915. Douglas Tutor in Mathematics, Faculty of Applied Science, Queens University, 1913; Assistant Municipal Engineer, Cornwall, 1913-15; Missionary, A. P. M. N., 1915-20; U. C. C. M. (C. P. M.), 1920—. Associate Professor, 1916-23; Professor, 1923—; Head of Department of Physics, 1916—.

SCHOOL OF ARTS AND SCIENCE

† HEEREN, JOHN J., 奚爾恩, B.A., B.D., M.A., Ph. D.
*Professor and Head of the Department of History and
 Political Science*

B. A., Grinnell College, 1905; M.A., University of Chicago, 1908; Ph. D., University of Hall-Wittenberg, 1910; B. D., McCormick Theological Seminary, 1912. Missionary, A.P.M.N., 1911—. School of Arts and Science, 1911—. Professor, and Head of the Department of History and Political Science, 1919—.

† HUNTER, JOSEPH WALTER, 胡約瑟
*Organist and Choir Master
 Associate Professor of Fine Arts*

(See under heading, Officers of Administration)

HUTCHINS, FRANCIS STEVENSON, 何欽思, B. A.
Acting Head of the English Department

B. A., Oberlin College, 1923. Teacher of English, Oberlin—Shansi Memorial Schools, Taikuhsien, Shansi, 1922-24; The College of Yale in China, 1925-27. Acting Head of the English Department, 1927—.

JACOT, ARTHUR PAUL, 賈珂, B. A.
Associate Professor and Head of Department of Biology

B. A., Cornell University, 1917. Research Work, Gov't. Bureau of Fisheries, 1917-18; American Museum of Natural History, 1918-20. Missionary, A. P. M. N. 1920—. Associate Professor and Head of the Department of Biology, 1922—.

K'ANG HSING-WEI, 康興衛, B. S.
Instructor in Biology

B. S., University of Nanking, College of Agriculture, 1924. Assistant Instructor in the Department of Biology, 1924—.

KAO CHANG-KENG, 高長庚, B. S.
Chemistry Department

B. S., Massachusetts Institute of Technology (in Chemistry), 1925. Chemistry Department, 1927—.

LAIR, HOWELL PORTMAN, 賴恩源, B.A., B.D., S.T.M., D.D.
*Professor and Head of the Department of Religious Instruction
 Treasurer*

(See under heading, Officers of Administration)

LAN TIAO-FU, 樂調甫,
Instructor in Chinese

Translation Bureau, 1920—24; Assistant Instructor in Chinese, 1925—.

TEACHING STAFF

* LI T'EN-LU, 李天祿, B. A., M. A., Ph. D.
*Vice-President, Dean of the School of Arts and Science
 Professor and Head of the Department of Education*
 (See under heading, Officers of Administration.)

† PARKER, ALBERT GEORGE, 巴克爾, B. A., B. D.
Associate Professor and Head of the Department of Sociology and Economics
 B. A., Park College, 1914; B. D., McCormick Theological Seminary, 1917; McCormick Fellowship for Study in Japan and China, 1917-19; University of Chicago, 1919-20; University of Chicago, 1925-26. Missionary, A. P. M. N., 1920—. School of Arts and Science, 1920—; Associate Professor of Sociology, 1922—; Acting Head of the English Department, 1922-24.

* RANKIN, MARJORIE, 阮芝儀, B. A.
English Department

B. A., Mount Holyoke, 1910. Missionary, A. P. M. N., 1912—; Weihsien, 1912-25. Acting head of the Department of English, 1926-27.

SMITH, HAROLD FREDERICK, 明顯文, B. A., M. A.
*Registrar
 Associate Professor of Education
 Principal of the University Middle School*
 (See under the heading, Officers of Administration)

SUN T'EN-HSI, 孫天錫, (S. C. U.)
English Department

Graduate, School of Arts and Science, 1924. Teacher of English, 1927—.

T'EN HSI-CHING, 田羲經, (S. C. U.)
Associate Professor of Mathematics

Graduate of School of Arts and Science, 1910. Teacher of Mathematics, 1910-19; Associate Professor, 1919—.

TS'UI HUNG-CHAI, 崔鴻澤, (S. C. U.)
*Assistant Instructor in Education
 Supervisor of Elementary Schools*

Graduate, School of Arts and Science, 1925; Post graduate work in Southeastern University, 1926-27. Assistant Instructor, Departments of Education and Psychology, 1927—.

TS'UI YUNG-FU, 崔永福, (S. C. U.)
Chemistry Department

Graduate, Shantung Christian University, 1925; Teacher of English, E. B. M. Middle School, Sianfu, 1925-26. Chemistry Department, 1927—.

SCHOOL OF ARTS AND SCIENCE

WANG HSI EN, 王錫恩, (S. C. U.)

Professor of Mathematics and Astronomy

Graduate of Tengchow College, 1893; Teacher of Mathematics, 1893-6; Teacher of Mathematics and Astronomy in School of Arts and Science 1908-19; Professor of Mathematics and Astronomy 1919—.

WANG PING-SIAO, 王炳霄, (S. C. U.)

Instructor in Physics

Graduate of School of Arts and Science, S.C.U., 1922. Instructor of Mathematics in Ming I Middle School, Fen Yang, Shansi, 1922; Assistant Instructor of Physics, S. C. U., 1923-25; Principal of Hung Wen Middle School, Pei Chen, Shantung, 1925-27; Department of Physics, 1927—.

WANG YUN-CHU, 王雲渠,

Chinese Department

Graduate, Peking Normal College, 1924. Teacher, Shantung 10th Provincial Middle School, 1924-26; Director, Chinese Department, Honan 4th Normal School, 1926-27; Chinese Department 1927—.

WU GIN-DING DAVID, 吳金鼎, (S. C. U.)

Instructor in Sociology and Economics

Graduate, School of Arts and Science, 1914. Assistant Instructor in the Department of Sociology and Economics, 1924—; Research Institute, Tsing hua College, 1926-27.

(2) SCHOOL OF MEDICINE

CHANG CHI-HSIEN, 張繼先, (S. C. U.)

Instructor in Bacteriology

Graduate of the School of Medicine, 1920. Interne, 1920-21; Resident Physician, 1921-22; Assistant Instructor in Bacteriology, 1922—26; Instructor, 1927—.

CHANG HUI-CH'UAN, 張慧泉, M. B.

Instructor in Histology and Embryology

M. B., Shantung Christian University, 1925. Assistant, 1926; Instructor in Histology and Embryology, 1927—.

* EVANS, DAVID JOHN, 范大衛, M. B., CH. B.

Assistant Professor in Otolaryngology

University of Birmingham Medical School; M. B., Ch. B., Birmingham. War Service, 1914-18. Missionary, B. M. S., 1922—. Sianfu, Shensi, 1923—. Instructor in Otolaryngology, 1924-6; Assistant Professor, 1927—.

EVANS, PHILIP SAFFERY JR., 易文士, B. A., M. D.

Professor and Head of the Department of Physiology

B. A., Yale; M. D., Johns Hopkins; Assistant in Physiology, Johns Hopkins, 1917-8. Missionary, American Southern Baptist Mission, 1901—. Yangchow, 1901-12; University of Nanking, Department of Medicine, 1912-17. Professor of Physiology, 1918—.

GAULT, ARABELLA SANGSTER, 高愛瑞, B. A., M. D.,

Instructor in Medicine

B. A., College of Wooster, 1919; Graduate student, Ohio State University, 1920; M. D., Johns Hopkins Medical School, 1924; Interne, Buffalo City Hospital, Buffalo Children's Hospital, 1925; Assistant Resident in Medicine, P. U. M. C. Hospital, 1926. Instructor in Medicine, 1927—.

* HEATH, FRANCES J., 希麗華, B. A., M. D.

*Assistant Dean of Women**Professor and Head of the Department of Obstetrics and Gynaecology*

B. A., Temple University, 1906; M. D., Women's Medical College of Penn., 1912; Harvard Medical Postgraduate, 1919-21. Missionary, W. F. M. S. of the M. E. Church N., 1913—. North China Union Medical College for Women, Peking, 1913-23. Professor and Head of the Department of Obstetrics and Gynaecology, 1924—; Assistant Dean of Women 1925—.

* HEIMBURGER, LEROY FRANCIS, 海貝殖, M. D.

*Associate Professor of Dermatology**Superintendent of the Hospital for Lepers*

(See under heading, Officers of Administration)

SCHOOL OF ARTS AND SCIENCE

WANG HSI EN, 王錫恩, (S. C. U.)

Professor of Mathematics and Astronomy

Graduate of Tengchow College, 1893; Teacher of Mathematics, 1893-6; Teacher of Mathematics and Astronomy in School of Arts and Science 1908-19; Professor of Mathematics and Astronomy 1919—.

WANG PING-SIAO, 王炳霄, (S. C. U.)

Instructor in Physics

Graduate of School of Arts and Science, S.C.U., 1922. Instructor of Mathematics in Ming I Middle School, Fen Yang, Shansi, 1922; Assistant Instructor of Physics, S. C. U., 1923-25; Principal of Hung Wen Middle School, Pei Chen, Shantung, 1925-27; Department of Physics, 1927—.

WANG YUN-CHU, 王雲渠,

Chinese Department

Graduate, Peking Normal College, 1924. Teacher, Shantung 10th Provincial Middle School, 1924-26; Director, Chinese Department, Honan 4th Normal School, 1926-27; Chinese Department 1927—.

WU GIN-DING DAVID, 吳金鼎, (S. C. U.)

Instructor in Sociology and Economics

Graduate, School of Arts and Science, 1914. Assistant Instructor in the Department of Sociology and Economics, 1924—; Research Institute, Tsing hua College, 1926-27.

(2) SCHOOL OF MEDICINE

CHANG CHI-HSIEN, 張繼先, (S. C. U.)

Instructor in Bacteriology

Graduate of the School of Medicine, 1920. Interne, 1920-21; Resident Physician, 1921-22; Assistant Instructor in Bacteriology, 1922—26; Instructor, 1927—.

CHANG HUI-CH'UAN, 張慧泉, M. B.

Instructor in Histology and Embryology

M. B., Shantung Christian University, 1925. Assistant, 1926; Instructor in Histology and Embryology, 1927—.

* EVANS, DAVID JOHN, 范大衛, M. B., CH. B.

Assistant Professor in Otolaryngology

University of Birmingham Medical School; M. B., Ch. B., Birmingham. War Service, 1914-18. Missionary, B. M. S., 1922—. Sianfu, Shensi, 1923—. Instructor in Otolaryngology, 1924-6; Assistant Professor, 1927—.

EVANS, PHILIP SAFFERY JR., 易文士, B. A., M. D.

Professor and Head of the Department of Physiology

B. A., Yale; M. D., Johns Hopkins; Assistant in Physiology, Johns Hopkins, 1917-8. Missionary, American Southern Baptist Mission, 1901—. Yangchow, 1901-12; University of Nanking, Department of Medicine, 1912-17. Professor of Physiology, 1918—.

GAULT, ARABELLA SANGSTER, 高愛瑞, B. A., M. D.,

Instructor in Medicine

B. A., College of Wooster, 1919; Graduate student, Ohio State University, 1920; M. D., Johns Hopkins Medical School, 1924; Interne, Buffalo City Hospital, Buffalo Children's Hospital, 1925; Assistant Resident in Medicine, P. U. M. C. Hospital, 1926. Instructor in Medicine, 1927—.

* HEATH, FRANCES J., 希麗華, B. A., M. D.

*Assistant Dean of Women**Professor and Head of the Department of Obstetrics and Gynaecology*

B. A., Temple University, 1906; M. D., Women's Medical College of Penn., 1912; Harvard Medical Postgraduate, 1919-21. Missionary, W. F. M. S. of the M. E. Church N., 1913—. North China Union Medical College for Women, Peking, 1913-23. Professor and Head of the Department of Obstetrics and Gynaecology, 1924—; Assistant Dean of Women 1925—.

* HEIMBURGER, LEROY FRANCIS, 海貝殖, M. D.

*Associate Professor of Dermatology**Superintendent of the Hospital for Lepers*

(See under heading, Officers of Administration)

SCHOOL OF MEDICINE

* HOU PAO-CHANG, 侯寶璋, M.D.
Assistant Professor of Pathology

Graduate of the School of Medicine; M. D., Peking Union Medical College, 1920. Hope Hospital, Hwai Yuan, 1920-21; Dept. of Pathology, P. U. M. C., 1921-22. Assistant Instructor in Pathology, 1922-23; Instructor in Pathology, 1924-26; Assistant Professor, 1927—.

INGLE, LAURENCE MANSFIELD, 應樂仁, B. A., M. B., Ch. B., F. R. C. S.
Associate Professor of Anatomy

Kings College, Cambridge, and London Hospital; B. A., Cambridge, 1912; M. B., Ch. B., Cambridge, 1919; Demonstrator in Anatomy, University of Cambridge, 1911-12, 1919; Captain, R. A. M. C., 1915-19. Missionary, B. M. S., 1920—. Associate Professor of Anatomy, 1922—.

KIANG, PETER CH'ING, 江清, B. A., M. D.
Director of Studies of the School of Medicine
Professor of Bio-Chemistry-Toxicology
(See under heading, Officers of Administration)

LI TSAN-WEN, 李纘文, B. S.
Instructor in Bio-Chemistry

B. S., Soochow University, 1925. Assistant Instructor in Physics, 1925-26; Assistant Instructor in Bio-Chemistry, 1926-27; Instructor, 1927—.

MCALL, PERCY LONSDALE, 孟合理, B. A., M. B., Ch. B.
Head of Translation Bureau and Lecturer
(See under heading, Officers of Administration)

MCCLURE, WILLIAM, 羅維廉, B. A., M. D., C. M.
Professor and Head of Department of Medicine

B. A., McGill University, 1879; M. D., C. M., McGill, 1884; Medical Superintendent, Montreal General Hospital, 1885-88. Medical Missionary, Canadian Presbyterian Mission, 1888—1926; United Church of Canada Mission, 1926—; Honan, 1888-1916. School of Medicine, 1916—; Professor and Head of Department of Medicine, 1919—.

* MORGAN, JULIA, 馬珠麗, B. A., M. A., M. D.
Assistant Professor of Internal Medicine

B. A., Dickinson College, 1911; M. A., 1916; M. D., University of Pennsylvania, 1912; Interne, Univ. of Penn. Hospital, 1920-22. Missionary, Methodist Episcopal Mission, 1923—. Instructor in Internal Medicine, 1924—; Assistant Professor, 1926—.

TEACHING STAFF

* MOSSE, FRANCIS HENRY, 慕如賓, M. A., M. R. C. S., M. R. C. P.
Associate Professor of Medicine

Trinity College, Oxford and Kings College Hospital, University of London; B. A., Oxon., 1908; M. A., 1911; M. R. C. S., L. R. C. P., 1913; M. R. C. P., 1918; Internships, Kings College Hospital, Ealing, and Oxford; Captain, R. A. M. C., 1917-19. Medical Missionary, S. P. G., 1919—. School of Medicine, 1919—; Associate Professor of Medicine, 1922—.

* PA TA-CHIH, 把大旨, M. D.
Assistant Professor of Ophthalmology

Graduate of Peking Union Medical College, 1918; Interne in P. U. M. C. Hospital, 1918-19; Assistant in Ophthalmology in P. U. M. C. Hospital, 1919-21. Instructor in Ophthalmology, S. C. U., 1921-24; Assistant Professor of Ophthalmology, 1924—.

† PAILING, WILLIAM PERCY, 裴維廉, B. D., M. P. S., Ph. C.
Associate Professor of Materia Medica and Pharmacy
Acting Superintendent of the Extension Department
Chaplain of the University Hospital
(See under heading, Officers of Administration)

SCOTT, ANNIE V., 史安納, B. S., M. D.
Acting Dean of Women
Associate Professor of Pediatrics
(See under heading, Officers of Administration)

* SHIELDS, RANDOLPH TUCKER, 施爾德, B. A., M. D.
Dean of the School of Medicine
Professor of Histology and Embryology
(See under heading, Officers of Administration)

STEARNS, THORNTON, 單覃恩, B. A., M. D., F. A. C. S.
Associate Professor of Orthopedics and General Surgery

B. A., Davidson College, 1906; M. D., Johns Hopkins 1912; Internships and residence posts, Johns Hopkins Hospital, Massachusetts General Hospital, and University of California Hospital. Medical Missionary, A. P. M. N., 1916—. School of Medicine, 1916—; Associate Professor of Surgery, 1919—; Associate Professor of Orthopedics and General Surgery, 1924—.

STRUTHERS, ERNEST B., 杜儒德, B. A., M. B., D. T. M. and H.
Medical Director of the University Hospital
Associate Professor of Medicine
(See under heading, Officers of Administration)

SCHOOL OF MEDICINE

WADDELL, SUSAN S., 萬素貞, B.S., M.D.

Associate Professor of Physiology and Pharmacology

Wilson College, 1911-13; B.S., University of Pittsburgh, 1916; M.D., 1919; Instructor in Physiology, Univ. of Pittsburgh School of Medicine, 1919-21. Missionary, A.P.M.N., 1921—. North China Union Medical College for Women, Peking, 1921-24. Associate Professor of Physiology and Pharmacology, 1924—.

WANG HWEI-WEN, 王會文, M.B.

Assistant Superintendent of the University Hospital

Assistant Professor of Anatomy

University Health Officer

(See under heading, Officers of Administration)

WHEELER, EDWIN ROBERT, 惠義路, M.B., B.S., F.R.C.S.

Superintendent of the University Hospital

Professor of Surgery

(See under heading, Officers of Administration)

YANG CHI-LING, 楊濟嶺, (S.C.U.)

Resident in charge of Ophthalmology

Graduate, Shantung Christian University, 1923; Interne, 1923-24; Chengchow, 1924-25. Resident in Ophthalmology, 1926—.

(3) SCHOOL OF THEOLOGY

*† CADY, LYMAN VAN LAW, 龔德義, B.A., B.D., S.T.M.

Professor of Philosophy of Religion and Christian Ethics

B.A., Grinnell College, 1910; B.D., Oberlin Theological Seminary, 1916; Missionary Fellowship at Union Theological Seminary, 1922-23; S.T.M., Union Theological Seminary, 1923; Instructor in English, Anatolia College, Turkey, 1910-13; Missionary, A.B.C.F.M., 1916—. Tehchow, 1916-20; Associate Professor of Theology, 1920—; Acting Dean of the School of Theology, 1923-26; Professor of Philosophy of Religion and Christian Ethics, 1927—.

DJANG W. BEI-HWAI, 張伯懷, M.A.

Instructor in New Testament

Graduate, School of Arts and Science, 1921; M.A., Toronto University, 1927; Knox College, 1927; Instructor in New Testament, 1927—.

LAIR, HOWELL PORTMAN, 賴思源, B.A., B.D., S.T.M., D.D.

Lecturer in Old Testament Exegesis

(See under heading Officers of Administration)

LO SHIH-CH'I, 羅世琦, M.A.

Acting Dean of the School of Theology

Associate Professor of Religious Education

(See under heading, Officers of Administration)

MACRAE, JOHN D., 瑞思培, B.A., B.D., D.D.

President of the University

Dean of the School of Theology

Professor of New Testament Exegesis and Literature

(See under heading, Officers of Administration)

* MINER, S. LUELLA, 麥美德, B.A., M.A., LITT. D.

Dean of Women

Professor of Religious Education

(See under heading, Officers of Administration.)

* ROWLEY, HAROLD HENRY, 饒景道, B.A., B.D.

Associate Professor of Old Testament

Baptist College, Bristol, 1910-14; B.A., Bristol, 1912; B.D., London, 1912; B.D., Honours (Hebrew and Aramaic), London, 1914; Mansfield College, Oxford, 1914-16; Missionary, B.M.S., 1922—; Tsingchow, 1922-24. Associate Professor of Old Testament, 1924—.

*† STANLEY, CHARLES A., 山理, B. A., B. D., D. D.
Associate Professor of the Rural Church

B. A., Marietta, 1901; B. D., Oberlin Theological Seminary, 1903; D. D., Oberlin, 1920. Missionary, A. B. C. F. M., 1904—. Associate Professor of the Rural Church, 1927—.

† TSUI HSIEN-HSIANG, 崔憲詳, Th. D.
Associate Professor of Systematic Theology

B. A., Peking University, 1918; B. D., Peking University, 1920; Pastor, Methodist Episcopal Church, Taiifu, 1920-1923; Garrett Biblical Institute, 1924; Th. D., Drew Theological Seminary, 1926. Lecturer in Department of Pastoral Theology, 1926; Associate Professor in Department of Systematic Theology, 1927—.

WANG YUN-CHU, 王雲渠,
Chinese Department

Graduate, Peking Normal College, 1924; Teacher, Shantung 10th Provincial Middle School, 1924-26; Director, Chinese Department, Honan 4th Normal School, 1926-27. Chinese Department, 1927—.

(4) NURSES TRAINING SCHOOL

CHANG CHI-HSIEN, 張繼先, (S. C. U.)
Lecturer in Bacteriology
(See under heading, School of Medicine)

EVANS, PHILIP SAFFERY JR., 易文士, B. A., M. D.
Lecturer in Physiology
(See under heading, School of Medicine)

LI TSAN-WEN, 李瓚文, B. S.
Lecturer in Chemistry
(See under heading, School of Medicine)

LOGAN, MARGARET F., 羅根
Associate Superintendent of the Nurses Training School
(See under heading, Officers of Administration)

McCLURE, WILLIAM, 羅維廉, B. A., M. D., C. M.
Lecturer in Internal Medicine
(See under heading, School of Medicine)

PAILING, WILLIAM PERCY, 裴維廉, B. D., M. P. S., Ph. C.
Lecturer in Pharmacy
(See under heading, Officers of Administration)

SCOTT, ANNIE V., 史安納, B. S., M. D.
Lecturer in Pediatrics
(See under heading, Officers of Administration)

SHIELDS, RANDOLPH TUCKER, 施爾德, B. A., M. D.
Lecturer in Obstetrics and Gynaecology
(See under heading, Officers of Administration)

SMITH, MARGARET COLEMAN, 石美瑞, B. A., R. N.
Instructor in Nursing
(See under heading, University Hospital)

STEARNS, THORTON, 單尊恩, B. A., M. D., F. A. C. S.
Lecturer in Genito-Urinary Diseases
(See under heading, School of Medicine)

NURSES TRAINING SCHOOL

VANDERBILT, MARY, 温美瑞, B.S., R.N.

Instructor in Nursing

(See under heading, University Hospital)

WANG CHEN-TE, 王振德

Instructor in Nursing

(See under heading, University Hospital)

WANG HWEI-WEN, 王會文, M. B.

Lecturer in Anatomy

(See under heading, Officers of Administration)

WILSON, FRANCES R., 宋芳溪, B.S., R.N.

Superintendent of the Nurses Training School

(See under heading, Officers of Administration)

WU FA YU, 武法增, (S. C. U.)

Lecturer in Surgery

(See under heading, Officers of Administration)

YANG CHI-LING, 楊濟嶺, (S. C. U.)

Lecturer in Ophthalmology

(See under heading, University Hospital)

YOUNG, LOIS, 楊羅義, B. A., M. A.

Lecturer in English(5) UNIVERSITY NORMAL TRAINING AND
PREPARATORY SCHOOLS

(a) UNIVERSITY MIDDLE SCHOOL

CHANG CHEN-JU, 張振汝, (S. C. U.)

*Director of Studies**Teacher of Science*

Graduate, Shantung Christian University, 1921; Assistant instructor, Department of Physics, 1921-23; Teacher of Science, Hwanghsien Baptist Middle School, 1923-26. University Middle School, 1926—.

FU WEI-FANG, 傅爲方, B. Sc.

Teacher of Mathematics

B. Sc., Shantung Christian University, 1925; University Middle School, 1926—.

KAO HSING-KWEI, 高星魁, (S. C. U.)

Teacher of Social Sciences and English

Graduate, Shantung Christian University, 1925. Teacher in Kaifeng Baptist College, 1925-27; University Middle School, 1927—.

SMITH, HAROLD F., 明憲文, B. A., M. A.

Principal of University Middle School

(See under heading, Officers of Administration)

TIEN HSUEH-HSIN, 田學信, (S. C. U.)

Teacher of Chinese

Graduate, Shantung Christian University, 1916; Teacher, Chinchow Normal, Feng-tien, 1916-17; Teacher, Hsin Yi School, Honan, 1917-19; Graduate, Nanking Theological Seminary, 1922; Teacher, Fenchow Theological School, 1922-23; Graduate, Shantung Christian University School of Theology, 1924. University Middle School, 1926—.

(b) ELEMENTARY SCHOOLS

Ts'UI HUNG-CHAI, 崔鴻澤, (S. C. U.)

*Supervisor**Assistant Instructor in Education*

Graduate, Shantung Christian University, 1925; Post graduate study, Southeastern University, 1926-27. Assistant Instructor, Departments of Education and Psychology, 1927—; Supervisor of Elementary Schools, 1927—.

(b) CH'UNG TEH SCHOOL

CH'I KWEI-FEN, 時桂芬女士
Teacher in Ch'ung Teh Primary School

Graduate, Presbyterian Girls' High School, East Suburb, Tsinan, 1924; Teacher in Ch'ung Teh Primary School, 1927—.

HSIEH YU-FU, 謝幼符
Teacher in Ch'ung Teh Primary School

Graduate, Shantung First Provincial Normal School. Teacher in Ch'ung Teh Primary School, 1923—.

LIU PEI-KWAN, 劉伯寬
Teacher in Ch'ung Teh Primary School

SUN CHIN-SHAN, 孫鎮山
Teacher in Ch'ung Teh Primary School
Graduate, Baptist Normal School, 1908; Superintendent of Baptist Primary Schools; Teacher in Ch'ung Teh Primary School, 1923—.

(2) LIU CHIA CHUANG SCHOOL

CHANG SHU TSU, 張述祖
Teacher of Liu Chia Chuang Rural School

Graduate, Point Breeze Academy, 1926; Liu Chia Chuang Rural School, 1927—.

(3) UNIVERSITY KINDERGARTEN

WU YU MING, 吳禹銘夫人
Teacher in the University Kindergarten

Graduate, Laura Hapgood Normal School, 1925; Teacher in Kindergarten, Suchow-fu, 1925-27; Teacher in the University Kindergarten, 1927—.

(c) UNIVERSITY HOSPITAL

CHANG CHI-CH'ING, 張紀成
Technician

Technician, 1926—.

CHANG HENG-TEH, 張恆德
Assistant Registrar

Assistant Registrar, 1924—.

CHANG KUI-HUA, 張桂華
Nurse

Graduate, Techow Hospital Nursing School, 1927; Nurse, 1927—.

CHENG I-LIN, 鄭義霖
Nurse

Graduate, Choutsun Hospital Nursing School, 1927; Nurse, 1927—.

CHENG SHIH-NIANG, 鄭師娘
Evangelist

Evangelist, 1923—.

CHIANG SHIH-NIANG, 蔣師娘
Evangelist

Evangelist, 1923—.

CHOU TUNG-YOH, 周宗岳
Nurse

Graduate, Choutsun Hospital Nursing School, 1926; Nurse, 1927—.

FEI CHIEN-KUEI, 費占奎
Hospital Registrar

Graduate, Temple Hill English School, 1917; Hospital Registrar, 1925—.

HOU LI-SHAN, 侯立山, M.B.
Assistant Resident in Pediatrics

M.B., Shantung Christian University, 1925; Assistant Resident, 1926—.

HSIN CHAO-SHIH, 信肇實, (S.C.U.)
Assistant Resident in Medicine

Graduate, Shantung Christian University, 1924; Assistant Resident, 1924—.

UNIVERSITY HOSPITAL

KAO CHUNG-WEN, 高宗文
Nurse

Graduate, Shantung Christian University Nursing School, 1923; Nurse, Huaiyuan Hospital, 1924-26; Nurse, 1926—.

K'UNG CH'ING-YUN, 孔麗雲, (S.C.U.)
Resident in Charge of Out Patients

Graduate, Shantung Christian University, 1919; Yale Hospital, 1919-1920; Shun-Teh Hospital, 1920-24. Assistant Resident and Interne, 1924—.

LI CH'UN-FA, 李春發
Nurse

Graduate, Nursing School, 1925; Nurse, 1927—.

LI FU-HSIN, 李復新
Technician

Technician, 1925—.

LI HSI-KUNG, 李錫恭
Assistant Registrar

Assistant Registrar, 1926—.

LI PAO-CHANG, 李寶章, (S.C.U.)
Assistant Resident in Medicine

Graduate, Peking University; Graduate, School of Medicine, 1923; Interne, P. U. M. C., 1924; Resident physician, Yung Chou Hospital, 1925-26; Assistant Resident in Medicine, 1927—.

LI YU-CH'ENG, 李有誠
Nurse

Graduate, Choutsun Hospital Nursing School, 1926; Nurse, 1927—.

LI JU-LIN, 李入林
Assistant Resident in Surgery

Graduate, Mukden Medical College, 1915; Physician and teacher, M. E. M. School, Shanhaikuan, 1916-19; Interne, P. U. M. C. Hospital, 1920-21; Interne, Taylor Memorial Hospital, Paoting, 1921-26; Superintendent, A. P. M. Hospital, Mafangchen, Sanhohsien, Chihli, 1926-27. Assistant resident in surgery, 1927—.

LI YUAN-FU, 李元復, (S.C.U.)
Assistant Resident in Surgery

Graduate, Shantung Christian University, 1925; Assistant Resident 1926—.

UNIVERSITY HOSPITAL

LIU CHEN-FA, 柳振法
Assistant Dispenser

Assistant Dispenser, 1917—.

LIU CH'ING-LAN, 劉慶蘭
Nurse

Graduate, University Hospital Nursing School, 1924; Nurse, 1924—.

LIU CHUNG-HSUN, 劉鍾勳, (S. C. U.)
Interne

Graduate, Shantung Christian University, 1926; Interne, 1926—.

LIU HUNG-EN, 劉鴻恩
Nurse

Graduate, Porter Academy, 1926; Nurse, Techow Hospital, 1926-27. Nurse 1927—.

LIU LIEN-HSI, 劉連熙
Nurse

Graduate, Shantung Christian University Nursing School, 1924; Nurse, 1924—.

LOGAN, MARGARET, 羅根
Associate Superintendent of the Nurses Training School
(See under heading, Officers of Administration)

MU YU-KUANG, 牟育光
Nurse

Nurse, 1927—.

NIEN TUNG-AN, 聶同安
Evangelist

Evangelist, 1911—.

NUNN, GLADYS V. L., 恩薇露
Masseuse

E. Suffolk Hospital, Ipswich; Westminster Hospital, School of Massage; Reg. Member of C. S. M. M. G.; Missionary, W. M. M. S., 1923—. University Hospital, 1923—.

READE, DOROTHEA, 瑞得惠, R.N.
Nurse

R. N., St. Thomas' Hospital, London, 1925. Missionary, S. P. G., 1927—.

SMITH, MARGARET COLEMAN, 石美瑞, B. A., R. N.

Nurse

B. A., Vassar, 1921; R. N., School of Nursing of Presbyterian Hospital, New York, 1924; Assistant Head Nurse, Presbyterian Hospital, 1924; Assistant in Instruction and Head Nurse, Pediatric Department, Yale School of Nursing, 1924-26. Missionary, A. P. M., 1926—; University Hospital, 1927—.

SO, MOODY, 索慕棣, (N. C. U. C.)

Dispenser

Graduate, North China Union College, 1914; Pharmacy student, U. M. C. Hospital, Peking, 1914-19; Assistant Pharmacist, 1921-26; Dispenser, 1926—.

SUN CH'ING-TA, 孫清達

Nurse

Nurse, 1927—.

SUN YUAN-SHAN, 孫元善

Evangelist

Evangelist, 1926—.

T'AI HUNG-FU, 戴鴻福, (S. C. U.)

Interne

Graduate, Shantung Christian University, 1927; Interne, 1927—.

VANDERBILT, MARY E., 溫美瑞, B. A., R. N.

Nurse

B. A., Wooster College, 1919; R. N., Presbyterian Hospital, N. Y. C., 1922; Anaesthetist, Presbyterian Hospital, 1922-23; Assistant Theoretical Instructor of Nurses, Rochester, N. Y., 1924-25. Shantung Christian University Hospital, 1927—.

WANG CHAO-LING, 王肇齡, M. B.

Assistant Resident in Ophthalmology

M. B., Shantung Christian University, 1925; Assistant Resident, 1926—.

WANG CHIN-TE, 王振德

Nurse

Graduate, Shantung Christian University Nursing School, 1920; Nurse, 1921—.

WANG, HWEI-WEN, 王會文, (S. C. U.)

*Assistant Superintendent of the University Hospital**Assistant Professor of Anatomy**University Health Officer*

(See under heading, Officers of Administration)

WHEELER, EDWIN R., 惠義路, M. B., B. S. (Lond.), F. R. C. S. (Eng.)

*Superintendent of the University Hospital**Professor of Surgery*

(See under heading, Officers of Administration)

WILSON, FRANCES R., 宋芳溪, B. S., R. N.

Superintendent of the Nurses Training School

(See under heading, Officers of Administration)

WU FA-YU, 武法堉, (S. C. U.)

*Assistant Superintendent of the University Hospital**Resident in Surgery*

(See under heading, Officers of Administration)

YANG CHI-LING, 楊濟嶺, (S. C. U.)

Resident in Charge of Ophthalmology

(See under heading, School of Medicine)

YEN PIN, 燕蘋

Assistant Clinical Pathologist

Assistant Clinical Pathologist, 1917—.

YU CHIA-CHUN, 尤家駿, M. B.

Assistant Resident in Dermatology

M. B., Shantung Christian University, 1925; Assistant Resident, 1927—.

YU FU-HSIN, 于復新

Assistant Clinical Pathologist

Assistant Clinical Pathologist, 1911—.

(D) HOSPITAL FOR LEPERS

HEIMBURGER, LEROY FRANCIS, 海貝殖, M.D.
Superintendent of the Hospital for Lepers
Associate Professor of Dermatology
 (See under heading, Officers of Administration)

HSU SHU-P'ING, 許樹屏
Assistant Superintendent of the Hospital for Lepers
 (See under heading, Officers of Administration)

LIU AI-TE, 劉愛德
Nurse, Hospital for Lepers
 Graduate, Senior Middle School, Kiaochow, 1920; Teacher in M. S., 1920-21;
 Graduate, Nursing School, Pu Tsi Hospital, Tsingtau, 1922; Nurse, Pu Tsi Hospital;
 Nurse, Contagion Ward, Chinese-German Hospital, Tsingtau; Nurse, Hospital for Lepers,
 1927—.

SUN CHI-HSIANG, 孫吉祥, (S. C. U.)
Business Manager of the Hospital for Lepers
 Graduate, Shantung Christian University, 1905; Preacher; Weihsien, 1905-07;
 Vice-Principal, Yi Chih Middle School, Hunan, 1908-20; Country preacher, Feih sien,
 1921-24; Business Manager of the Hospital for Lepers, 1925—.

(E) TRANSLATION BUREAU

CHANG HSI-WU, 張錫五
Assistant in the Translation Bureau
 Graduate, Normal School, Kiangsu, 1922; Assistant in the Translation Bureau,
 1924—.

CH'EN TSO-T'ING, 陳佐庭, 前清附生
Member of the Translation Bureau
 Fu Seng (Ching Dynasty); Assistant to Dr. Ingram in Translation Work, 1908;
 Member of Translation Bureau, 1918—.

KUO CHOU, 郭洲
Assistant in the Translation Bureau
 Assistant in the Translation Bureau, 1927—.

LEO TEH-CHIN, 魯德馨
Member of the Translation Bureau
 Graduate of Griffith John College, Hankow, 1908; Union Medical College, Han-
 kow, 1909-12. Tutor, U. M. C., and Translator, 1916-17; Member of Scientific Terminology
 Committee for China; Member of National Science Association. Member of Trans-
 lation Bureau, 1918—.

MCALL, PERCY LONSDALE 孟合理, B. A., M. B., CH. B.
Head of the Translation Bureau
 (See under heading, Officers of Administration)

MA CHENG-TSUN, 馬青村
Assistant in the Translation Bureau

(F) EXTENSION DEPARTMENT

CHAO HSI-HSIU, 趙希秀

Assistant in the Extension Department

Assistant in the Extension Department, 1906—.

CH' I TEH-HSIANG, 元德祥

Assistant in the Extension Department

Graduate, Shantung Christian University, 1922; Assistant in the Extension Department, 1923—.

PAILING, WILLIAM PERCY, 裴維廉, B. D., M. P. S., Ph. C.

*Acting Superintendent of the Extension Department**Associate Professor of Materia Medica and Pharmacy**Chaplain of the University Hospital*

(See under heading, Officers of Administration)

SHIH MAO-CH'ENG, 時茂成

Assistant in the Extension Department

Assistant in the Extension Department, 1927—.

SUN PENG-HSIANG, 孫鵬翔

Assistant in the Extension Department

Assistant in the Extension Department, 1927—.

WANG PEI-NIEN, 汪伯年

Assistant in the Extension Department

Assistant in the Extension Department, 1927—.

WILLIAMSON, HENRY R., 魏禮模, M. A., B. D.

Director of the Extension Department

(See under heading, Officers of Administration)

WU TAO-CH'ANG, 吳道昌

Assistant in the Extension Department

Graduate of the Normal School, Tsingchou; Assistant in the Extension Department, 1909—.

(G) BUSINESS OFFICES

CHANG HUNG-CHI, 張鴻基

Clerk in the School of Medicine

Graduate, Middle and Normal School, 1923; Teacher, South Chihli Mission, 1924; Clerk, 1926—.

CHANG WEI-YI, 張惟一

Typist in the President's Office

Graduate, Hunter Corbett Academy, 1922; Typist, 1923—.

CHEN YA-CH'UAN, 陳雅泉

Clerk in the School of Medicine

Graduate, Hamilton Academy, 1924; Teacher, 1924; Clerk, 1926—.

FU WEI-FANG, 傅為方, B. Sc.

*Assistant to the Registrar**Teacher in the University Middle School*

B. Sc., Shantung Christian University, 1925; Teacher, University Middle School, 1926—; Assistant to the Registrar, 1926—.

HICKSON, GRACE M., 希克聖

Secretary to the President

Missionary, B. M. S., Congo, 1913; Missionary, B. M. S., Shantung, 1924—; Secretary to the President, 1924—.

HSIN TE-JUN, 辛德潤, (N. C. U. C.)

University Steward

Graduate, North China Union College, 1913; Diploma, Normal Class, N. C. U. C., 1914; Teacher, Shansi-Oberlin Academy, 1914—16; Assistant in the Quartermaster's Department, France, 1917-19; Y. M. C. A., Tsinan, 1919-20; Manager, T'ung Cheng Coal Mine, Ichow, 1920-22; University Steward, 1923—.

LIU CHUN-LIN, 劉峻麟

Typist in the Registrar's Office

Graduate, Yih Wen School, 1926; Typist, 1927—.

MORTON-SMITH, MAIDA, 司教士

Secretary to the Dean of the School of Medicine

Secretary to the Dean of the School of Medicine, 1922—.

BUSINESS OFFICES

P'ENG HSIANG-SHENG, 彭翔生

Chinese Secretary to the President

Chinese Secretary to the President, 1922—.

WANG FENG-TSAL, 王鳳彩

Typist to the Dean of the School of Medicine

Graduate, Yih Wen School, 1925; Typist, 1927—.

WANG WEI-CHUN, 汪霽春, 拔貢

Clerk to the Dean of the School of Arts and Science

Pa Kung, 1909; Graduate, School of Law, Shantung; Clerk, 1927—.

WANG YUE WEN, 王曰致

Manager of the University Workshop

Assistant in the Workshop, 1909; Manager, 1927—.

YANG FENG-CH'I, 楊鳳棲

Manager of the University Press

Manager of the University Press, 1917—.

YEN K'AI-KUO, 燕慨偈

Assistant Business Manager of the School of Medicine and the Hospital

Assistant Business Manager, 1922—.

GENERAL INFORMATION

HISTORICAL NOTE

Shantung Christian University, which was founded in 1904, represents one of the largest attempts at co-operative work in higher education on the part of Christian Missions in any part of the world. Thirteen Missionary Societies* from Great Britain, the United States, and Canada take a share in its maintenance, whilst it has also received generous assistance from the China Medical Board of the Rockefeller Foundation, the Shantung Provincial Assembly, and from other sources.

Although the University has occupied its present site for only the last ten years, its origin extends back to the educational work commenced in the east of the province as early as 1864 by the well-known American Presbyterian missionary, the Rev. Calvin W. Mateer, D. D., in which the Rev. Watson M. Hayes, D. D., also took a prominent part, and which led to the establishment of the Tengchow College. This College was removed to Weih sien in the year 1904, under the presidency of the Rev. Paul Bergen, D. D., and at the same time the English Baptist Mission, which had carried on successful educational work in Shantung for many years under the direction of the Rev. J. S. Whitewright, the Rev. Samuel Couling, and the Rev. J. Percy Bruce, entered into union with the American Presbyterian Mission. From that union the Shantung Christian University had its birth.

For several years the united missions carried on a School of Arts and Science in Weih sien, a School of Theology at Tsingchowfu, and a School of Medicine in Tsinan; but as the result of energetic efforts on the part of the Rev. H. W. Luce and others, funds were subsequently secured for the transfer of the Arts and Science, and Theological Schools to Tsinan, where the whole University was assembled in 1917.

*These are as follows:

- Great Britain: Baptist, Anglican (S. P. G.), London, Wesleyan, Wesleyan (Woman's Auxiliary), and English Presbyterian Mission.
- United States: Presbyterian North, Presbyterian South, American Board, Methodist Women's Foreign Missionary Society, Methodist Episcopal Mission, and Church of the Brethren Mission.
- Canada: United Church of Canada Mission.

Large extensions were also made to the buildings and staff of the Medical School by means of a grant of G. \$200,000 from the China Medical Board, who transferred to the School the three lower classes then studying in the Peking Union Medical College. At the same time (in 1916-17), acting on the recommendation of the Council on Medical Education of the China Medical Missionary Association, the Medical Department of the University of Nanking and the Hankow Union Medical College were amalgamated with the School of Medicine of the Shantung Christian University, and their students and certain members of their faculties transferred to Tsinan.

Another important addition to the University was made in the same year when the Tsinanfu Institute and Museum, founded in 1904 by the Rev. J. S. Whitewright of the English Baptist Mission, became incorporated in the University as its Extension Department.

In 1923 the sphere of the University was still further extended by the amalgamation of the School of Medicine with the North China Union Medical College for Women, Peking. Five members of the staff of that college, together with the student body, were transferred to Tsinan during the following months, and since that time all three schools of the University have been placed upon a co-educational basis.

CHARTER OF INCORPORATION.

The University is incorporated in the Dominion of Canada, a special Act having been passed by the Senate and House of Commons in 1924, and receiving royal assent on July 19th of that year (see pages 1—5). This Act has conferred upon the University the authority to grant such credentials and degrees, including honorary degrees, as are in accordance with the laws of China.

REGISTRATION

The University has complied with all regulations necessary for registration with the Chinese Government, and awaits the full approval of its supporting and governing bodies before taking the final steps.

PURPOSE AND SPHERE.

The main purpose of the University, as expressed in its By-laws, is "The advancement of the Kingdom of God through higher education of

a distinctly Christian character, with a view to developing a capable and consecrated leadership for the Christian church and community in China.

With this object the University maintains the following departments:—

School of Arts and Science, the chief objective of which is the preparation of well-trained teachers. This school offers a four-year College course, including a choice of subjects from various selected groups. It also provides Pre-Medical and Pre-Theological instruction for students planning to enter the Schools of Medicine and Theology.

School of Theology, for the preparation of well-trained ministers, evangelists, and other religious workers. The ordinary course consists of four years, the first year of which is spent in the School of Arts and Science. There is also a special post-graduate course of three years prepared for those who have already graduated in Arts.

School of Medicine, for the training of such students as have already completed a Pre-Medical course of at least two years, either in the special Pre-Medical Department of the School of Arts and Science or in some other institution of equal standard.

University Hospital, with attached Nurses' Training School for both men and women nurses, and a Hospital for Lepers.

Extension Department, for the cultivation of social and religious contact with the people of the city and district. This Department is carried on through the use of public lectures, evangelistic addresses, models, graphic charts, etc., and is visited by nearly half a million people annually.

University Middle School, for the Preparation of students to enter the University and for observation and practice teaching in connection with the Department of Education.

MEDIUM OF INSTRUCTION.

The Chinese (Mandarin) language is the main medium of instruction throughout all the schools of the University, students being encouraged to assimilate all branches of knowledge in their own tongue. At the same time, English is a required subject at the entrance examination

and throughout the curriculum. The use of English text-books and reference books is encouraged, and such students as show an adequate knowledge of English elect certain courses which are taught through that medium of instruction.

LOCATION AND BUILDINGS.

The University is situated on a large campus of nearly one hundred English acres, in the south suburb of Tsinan; the Medical School, Hospital and Extension Department being just within the suburb wall, in contact with a well-populated residential district, whilst the remainder of the University is on an adjoining site outside the wall, close to the southern hills.

The buildings and equipment, which represent gifts to a value of over \$1,500,000 Mex., from friends in the United States, Great Britain and Canada, include the following:—

McCormick Administration Hall
 Kumler Memorial Chapel
 Calvin Mateer Science Hall
 Bergen Hall
 Gotch-Robinson School of Theology
 Augustine Library
 School of Medicine
 University Hospital
 Arthington Institute (Extension Department.)
 Hospital for Lepers

The Science Halls and Medical School include a large number of laboratories, fitted with modern equipment, and with apparatus for the individual use of students; the University Hospital, which was erected in 1915, is also furnished throughout on modern lines.

The Extension Department (formerly known as the Tsinan Institute and Museum) contains a great many self-explanatory models and charts, illustrating religion, natural history, astronomy, ethnology, hygiene, etc.; and giving practical instruction in such measures as are being employed in all parts of the world for the physical improvement and the mental and spiritual enlightenment of humanity. Two lecture halls, one capable of accommodating 500 people, are in constant use.

The dormitories for the men students of the Schools of Arts and Science, and Theology are situated on the east side of the main campus, and arranged in courts, each student having a separate room. The Medical dormitories are located inside the suburb wall, adjoining the School of Medicine, and are arranged for two students per room. The dining-rooms are connected with the dormitories and are under the entire control of students' committees.

The dormitory for women students is situated in the north-west corner of the campus, including rooms for some of the women teachers. This portion of the University grounds has been set apart for women students, and includes their own recreation grounds and staff residence.

Other residences for the teaching staff are situated both within and without the suburb wall; whilst beyond the eastern dormitories a group of Chinese houses, known as the Follansbee Village, has been developed, in accordance with Chinese ideas, for the accommodation of a portion of the Chinese staff.

THE AUGUSTINE LIBRARY

The Augustine Library, which was built for the University by the generous gifts of the Augustine Presbyterian Church, Winnipeg, consists of a large reading-room, stack-room, and various associated offices, together with smaller rooms for newspapers and for department seminars. The Library possesses a total of about 24,000 volumes, of which 12,500 are in Chinese, and 12,000 in English, and regularly receives about fifty English periodicals and about twenty Chinese journals.

Within the past few years it has received generous gifts from the Carnegie Institute of Washington and from other sources, whilst the beginning of a special collection of books on China has been made possible through the generosity of Mrs. T. B. Blackstone. A branch Medical Library has also been established in the School of Medicine, in which are over two thousand books, and which regularly receives about forty medical journals.

The Library is under the supervision of a trained librarian, and is open during the day and in the evenings for the convenience of students.

COLLEGE ORGANIZATIONS AND STUDENT ACTIVITIES

Students' Self Government. For the last few years the control of the Commons has been in the hands of the students themselves, who elect their own committees and officers, and appoint their own assistants. The sphere of self-government has now been considerably extended, so as to include matters connected with dormitory discipline, and the general maintenance of cleanliness and order in the students' quarters. The Student Self-Government Council also acts as a means of self-expression of the whole student body, and as a coordinating link with the faculty.

Athletics. The University possesses its own athletic track, football fields, tennis courts, basketball courts, volley ball courts, and baseball grounds, which are under the control of a special Athletic Association consisting of representatives of the student body and of the staff. Physical exercise is required of all students of the University except those who are exempted on medical certificate, and a full-time physical instructor devotes himself to this important branch of education. During the past years the University has secured several notable successes in athletic meets in China. An annual Track Meet for the students of the University is held every spring, and a Provincial Inter-Middle School Meet is organised by the University on the occasion of the National Holiday (October 10th).

Medical Inspection. Every student in the University is given a thorough physical examination annually by the University Health Officer and his associates, and careful records are kept of the physical condition of each student and of any elements of weakness requiring supervision. The fact that the University Hospital and Out-Patient Dispensary form part of the University makes it possible for all students to obtain expert medical advice, whilst cases needing special treatment or nursing are cared for in the hospital wards.

Religious Life. Apart from the regular Morning Chapel and the University Service on Sunday mornings, the religious life of the student body largely centers in their own Christian Associations in each of the three Schools and in the School for Nurses. The young women students have their own Association. These associations have been federated so that united action and service might be facilitated. Besides these associa-

tions there is a Student Volunteer Band, and some devotional groups which have sprung up spontaneously. The students' religious activities include meetings for inspiration and prayer, Bible study groups, social service work, evangelistic addresses in the hospital wards and Extension Department, teaching and singing in the Sunday-schools and churches of the city, and attendance at summer conference. The custom has been started of having an annual retreat for the leaders of the student body. At these retreats, which are held on a nearby mountain, the chief concern has been the problem of developing a unity of Christian spirit among the students, who come from many different parts of the country and speak many different dialects.

Attendance on religious instruction and religious services is voluntary, the University believing that with students of college age compulsion in matters of the spirit defeats its own aims.

A required course in the Backgrounds of Civilization emphasizes the important part which religion has played in the history and growth of mankind and presents many of the ethical and factual elements of the usual courses in religious instruction.

The University Choir. The University Choir is composed of men and women students and faculty members from all departments of the University. There are regular weekly meetings for practice. The choir helps to lead in the worship at the Sunday morning service, and the members from the Arts and Theological Colleges assist with the music of the daily chapel services. This organization gives an opportunity for a musical training and service which will be of great value to the members when they enter other communities which need this special form of service.

The English Clubs. With the multiplication of activities and courses carried on through the medium of the English language there has been a corresponding increase in the student interest in this subject. An outlet for those who wish to practice their attainments in this language is offered by the two bodies known as the Upper English Club and the Junior English Club, organized in 1924. The former includes students in the senior courses and the latter those in the junior and Pre-Medical courses. Members of the staff of the English Department act as advisors, but the responsibility for the preparation of programs and the administration of club affairs depends on the student officers. The English Clubs aim not only to assist the work of formal instruction in the Department

of English, but also to act as a unifying influence among the various groups and schools of the University.

The Natural Science Association. The Natural Science Association draws together students in Arts and Science who are specializing in biology, chemistry, and physics, as well as students in medicine and pre-medicine. The aim of the Association is to supplement class-room activities and to provide greater opportunity for student initiative in the preparation of reports and in simple scientific investigations. Monthly meetings take the form of lectures by outside speakers and reports by student members. The Association also gives its attention to the writing of articles of popular scientific interest, and offers annual prizes for the best reports on selected topics of current interest.

Other Extra-curriculum Activities. A large number of other extra-curriculum activities are organized and conducted by the students. These for the most part take the form of social or religious service, such as the conducting of regular Night Schools for the children of the district and for the University employees; the holding of Daily Vacation Bible Schools in various centers during the summer holidays, and the like. The Extension Department, with its convenient social rooms and large crowds of visitors, affords unrivalled opportunity for all forms of service which brings the students into direct contact with the community. A Social and Religious Rural Center is conducted at Lung Shan, distant forty five minutes by train from the University, and many forms of community service are carried on there.

A General University Assembly is held each week at which various members of the faculty discuss topics of popular and general interest, and from time to time special lectures are arranged for the whole student body, as opportunities are provided by the visits of educational and religious leaders from other parts of China or from the West.

THE ALUMNI ASSOCIATION

The University Alumni Association was organized at a meeting held in Weihsien November 4th, 1916. Graduates of any of the three Schools of the University, and of the former colleges at Tengchow, Tsingchowfu, and Weihsien, from which the University has been formed, are all considered as members of the Association. At the present time the alumni of the University are more than twelve hundred in number.

The Alumni Association has shown unusual interest and activity in recent years. Perhaps the most conspicuous of its achievements has been the erection of the beautiful Alumni Gateway, which was formally presented to the University on June 17th, 1924. The present officers of the Association are:—Rev. Yee Hsing Lin, President; Mr. Ch'in Yao-T'ing, Vice-President; Mr. T'ien Hsi-Ching, Recording Secretary; Mr. Wu Chin-Ting, Corresponding Secretary; and Mr. Chao Hsi-Hsiu, Treasurer.

The Association elects three members of the University Field Board of Managers, its present representatives being,—Mr. Sung Hwei-Wu, Rev. Yee Hsing-Lin, and Mr. Chang Ta-Ch'en.

ACCREDITED MIDDLE SCHOOLS

For the purpose of organizing and administering the accrediting system and of setting and grading examinations for entrance to the University, there is organized a Council on University Entrance. This Council is composed of four representatives from the University, three representatives from the Shantung Board of Christian Education, and one each from any other provincial Christian Education Association or Board which may wish a place on this Council.

- I. Regulations governing the recommendation of students
 - a. The principal or headmaster of a middle school which has been accredited by the Council on University Entrance may recommend for admission to the University without examination those of his graduating students whom he believes to be well qualified, in character and ability, to do college work, provided that only those students be recommended whose records in the senior middle school place them well above the average for their own class.
 - b. The recommendation of a student will usually cover all of the subjects taught in the middle school, but in cases where an otherwise high grade student has only medium grades in not more than two of the major subjects of the middle school curriculum, the principal may present the candidate for admission to the university upon condition that he pass the regular entrance examination in those subjects in which he is not recommended.

II. Regulations for Accrediting Middle Schools

a. Schools desiring to be accredited shall make formal application to the Council on University Entrance. This application will be followed by an inspection of the school by the Council. The expenses for travel of the first inspection shall be borne by the school. Expenses of inspections of already accredited schools will be borne by the Council.

b. The Council may require any accredited school to present in any year a statement showing the condition of its staff, equipment, etc., as well as copies of the final examination questions used in the last year of the senior middle school together with the results of those examinations. An inspection of the school may also be made in any year.

c. University records of first year students will be considered as prime evidence of the standing of middle schools and of their success in meeting standards. Only on condition that a school continue at a high standard, as shown by its statements, by inspection, and by the work of its students in the first year of the university, will it be accredited without interruption.

d. The Council aims to accredit only those schools which are meeting the standards of organization, teaching force, scholarship, equipment, achievement of pupils, and esprit de corps to such a degree as will unhesitatingly commend themselves.

e. A Middle School which is accredited by one of the other universities in China, may apply for the privilege of recommending its students to this university without examination. This privilege may be tentatively granted pending the fulfillment of certain requirements and the determining of the degree of success of students from that school in their first year at Cheeloo.

The accredited schools for the year 1927-28 are: Wen Hua, Weishien; Ch'ung Shih, Hwanghsien; Po Wen, Tehchow; Ts'ui Ying, Taian; Ch'ung Shih, Peking; Pei Man, Peking; Hui Wen, Peking; Lu Ho, Tunghsien; Ming Hsien, Taiku; Wen Teh, Tsingtau and the University Middle School, Tsinan.

DEGREES

The Degrees of Bachelor of Arts and Bachelor of Science are conferred upon students of the School of Arts and Science who have fulfilled the following requirements:

1. a. Candidates for the Degree of Bachelor of Arts shall have majored in Chinese, Education, English, History and Political Science, or Sociology and Economics and shall have completed the subject requirements in the major and minors chosen.
 - b. Candidates for the Degree of Bachelor of Science shall have majored in Biology, Chemistry, Mathematics and Astronomy, or Physics and shall have completed the subject requirements in the major and minors chosen.
2. The basic subject and group requirements in Chinese, English, History and Education shall have been fulfilled,—16 semester hours in Chinese, 16 semester hours in English, 12 semester hours in Education, and 8 semester hours in History.
3. One hundred and twenty-eight semester hours of credit, normally distributed through a four year course, shall have been received.
4. An average grade ratio of .75 shall have been received in the subjects studied in the last two years of work.
5. The conduct of the student shall have been satisfactory and all his obligations to the School in matters of fees, records, etc. shall have been met.
6. The candidacy of students wishing to qualify for a degree shall be considered by the Committee on Graduation after having received the report of the Registrar and the recommendation of the Department concerned, and shall be presented to the Faculty for their confirmation not later than one month before the date set for graduation.
7. Students coming to this University with advanced standing must be in residence at least two years in order to qualify for the Bachelor's Degree.
8. Each candidate for graduation shall be required in his final year of study to do some independent work or to take a seminar along the lines of his major course. This shall normally be reported in written form and shall receive credit—not to exceed four hours—towards grad-

uation, and shall be under the supervision and guidance of the department concerned.

Previous to June, 1928 a diploma has been in certain cases awarded to students graduating from the School of Arts and Science, but after that date the degree of B. A. or B. Sc. will be the only official recognition of graduation.

The Degree of Bachelor of Medicine is conferred upon graduates of the School of Medicine who have fulfilled the following requirements:

1. Given evidence of good moral character.
2. Have graduated from a six-year middle school of standard grade or have done equivalent work.
3. Have studied two years in a recognised institution of college grade, including 20 credit hours in Chemistry, 16 credit hours in Physics, 12 credit hours in Biology and 12 credit hours in English.
4. Have studied five years of 36 weeks each in a recognised medical school, of which at least the final two years must be in the Shantung Christian University.
5. Must have passed creditable examinations at the end of his fourth year in the courses of study outlined below; his fifth year be spent as a student interne, and at the end of this year he be required to pass a further examination of a clinical and practical nature.

The following is the minimum of time to be allowed to the various courses, including laboratory and clinical work:—

<i>Anatomy, Histology and Embryology.</i>	640 hours.
During this period the student must himself dissect at least one half a human cadaver.	
<i>Physiology and Physiological Chemistry.</i>	436 hours.
<i>Pharmacy, Pharmacology and Materia Medica.</i>	240 hours.
<i>Pathology, Bacteriology and Hygiene.</i>	520 hours.
Including attendance upon at least 12 autopsies.	
<i>Medicine, including Pediatrics, Neurology,</i>	
<i>Dermatology and Syphilis.</i>	880 hours.
<i>Surgery, including Orthopaedics, Urology,</i>	
<i>Ophthalmology, Otolaryngology and Roentgenology</i>	648 hours.
<i>Obstetrics and Gynaecology.</i>	272 hours.
Including attendance upon at least six maternity cases.	

6. The student must satisfy the faculty not only that he has technical ability but also that he shows diligence and faithfulness in the discharge of his duties; and that he maintains a proper attitude towards his patients.

Previous to 1924, students who graduated from the School of Medicine were granted the Diploma of the University. Since being granted a charter by act of the Parliament of Canada, the University is authorised to confer the usual degrees, and in consequence both diplomas and the degree of M. B. have been awarded on graduation. After June 1928, however, the degree of M. B. will be the only official recognition of graduation.

The Diploma in Theology is conferred upon graduates of the School of Theology who have completed a four year course, subsequent to matriculation, of which the first year shall be spent in the School of Arts and the remaining three years in the School of Theology.

The Degree of Bachelor of Theology is conferred upon graduates of the School of Theology who have, in addition to the regular four year course, passed the intermediate and final examinations in theology, which are given at the end of the third and final semesters of study, respectively. The intermediate examination consists of one paper in each of the following subjects: Old Testament, New Testament, Religion and Ethics, and Religious Education. The final examination consists of one paper in each of the following subjects: Old Testament, New Testament, Theology; and two papers selected from the following: Religion and Ethics, Church History, and Religious Education or Practical Theology.

The Degree of Bachelor of Divinity is conferred upon Bachelors of Theology and Bachelors of Arts and Science who fulfill the following requirements: The former shall complete a further year of study under the direction of the faculty, submit a thesis, and show a good reading knowledge of English. The latter shall complete the three year undergraduate course in the School of Theology, pass the intermediate and final examinations, and undertake such seminar work as shall require ability to understand and criticise theological literature written in English.

Candidates for the Diploma in Theology and the Degrees of Bachelor of Theology and Bachelor of Divinity, who have pursued part of their studies in other institutions, shall present satisfactory

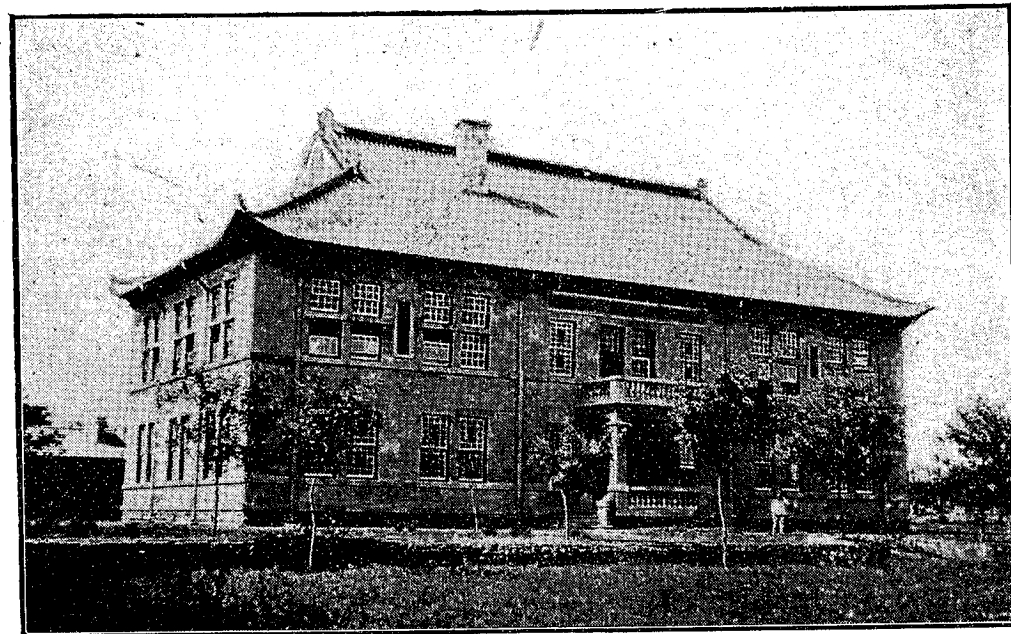
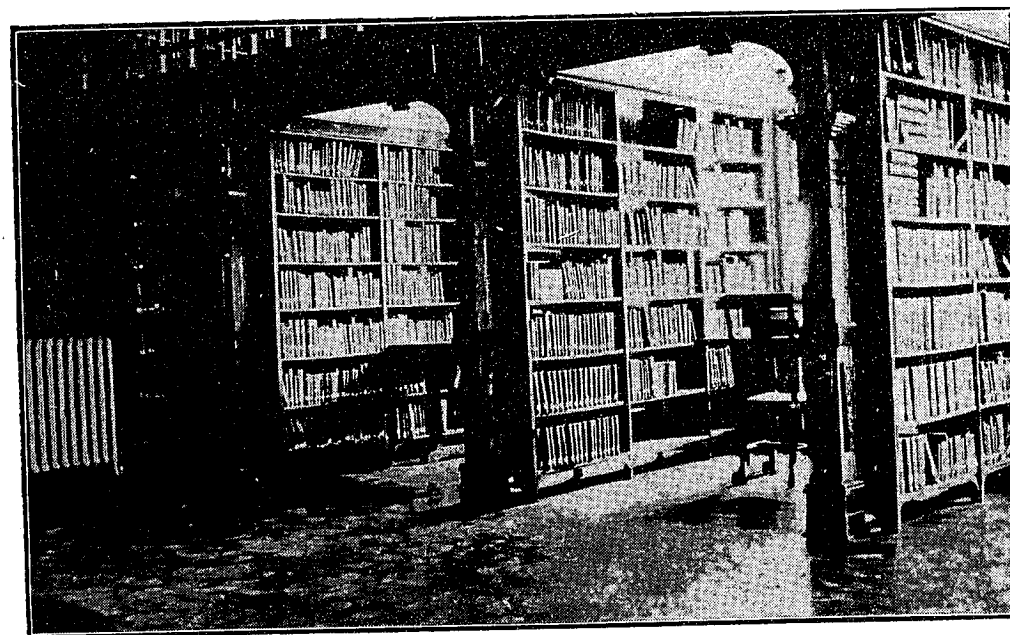
GENERAL INFORMATION

evidence of having done work corresponding in grade and amount to that of this University. Of the student's course of study, at least the final year shall be spent in this institution.

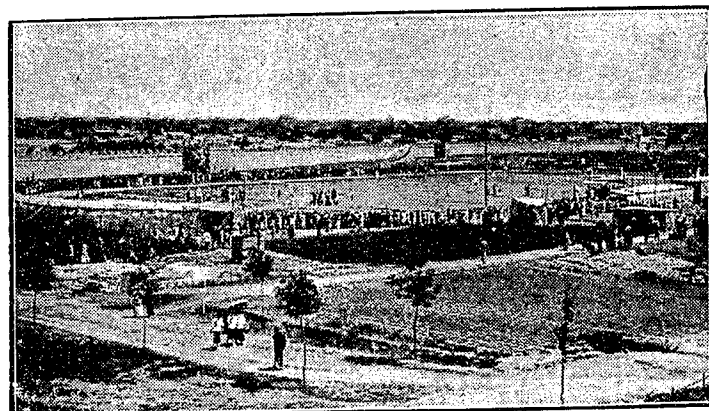
Former Graduates. Alumni who graduated before 1925 shall be eligible for a degree in the various schools after a special course or one year in residence and the completion of such examinations, theses, or other work as are called for by the requirements of the School concerned.

In the case of graduates unable to reside at the University, a syllabus of work, such as would be required during a year of residence, may be prepared for each applicant by the Faculty of the School concerned and approved by the Senate, and suitable arrangements made by which an examination or thesis or both shall be required of the candidate on the basis of such work, it being understood (1) that application be made before July 1928, and (2) that such applicant be first approved by the said Faculty and Senate.

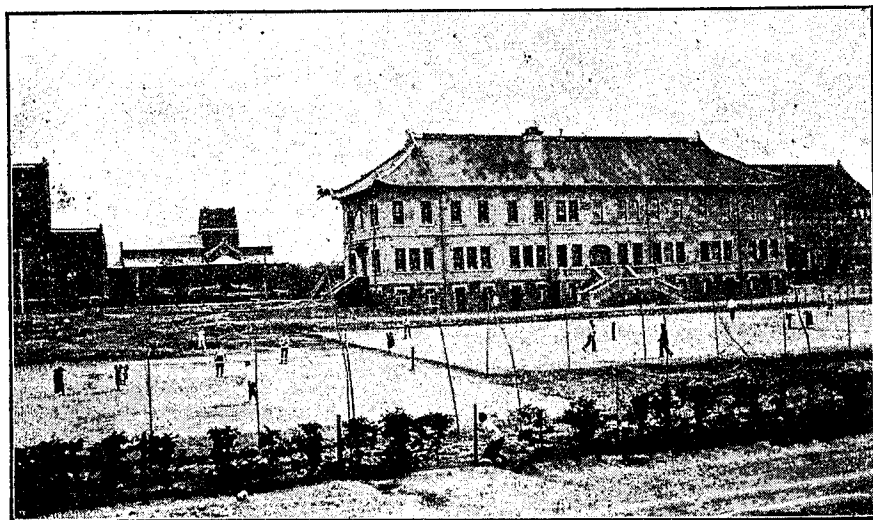
Alumni who graduated before 1925 and who can produce evidence satisfactory to the Faculty and Senate that since graduation they have completed such work as would be required under these regulations, may by special permission of the Senate, be admitted to examination, or allowed to submit a thesis, without waiting for the lapse of a year.

**LIBRARY****STACK ROOM**

ENTRANCE REGULATIONS



ATHLETIC FIELD



TENNIS COURTS McCORMICK HALL

Admission to University. Admission to Shantung Christian University from middle schools is by the general matriculation examination, or by certificate. In addition, the student's school record for the six years of middle school work must be presented, and the evidence of this record will have considerable weight in his acceptance or rejection. The other method of gaining entrance, by transfer from another college, will be taken up later.

The scholastic work of Shantung Christian University is carried on in three Schools:—the School of Arts and Science, the School of Theology, and the School of Medicine. The work in the School of Arts and Science presupposes six years of middle school work. The entrance examinations are based on this amount of preparatory work, and application blanks should give evidence of this amount. Only under exceptional conditions, carefully stated, will admission be granted to students with less preparation.

The work in the School of Theology presupposes at least a one-year Pre-Theological Course of college grade. This course may be taken in the School of Arts and Science, and it has the same general entrance requirements as the other courses in that School. The work in the School of Medicine presupposes a two-year Pre-Medical Course. This course may also be taken in the School of Arts and Science, and it has the same general entrance requirements as the other courses in that School.

Application for Entrance. Candidates for entrance to any of the Schools or courses of the University are required to present an Application for Entrance, made on the blank forms furnished by the University, which will be supplied by the Registrar. This Application for Entrance is in three parts:—(A) An application blank to be filled out by the candidate; (B) A medical certificate filled out and signed by a qualified physician; and (C) A certificate of the scholastic work and moral character of the candidate to be filled out by the principal or headmaster.

Note: The University is very desirous of helping the supporters of students to keep in touch with them. Letters will be promptly and gladly answered.

All communications regarding entrance to the University should be addressed to the REGISTRAR.

Application for admission (A) must be accompanied by the medical certificate (B), by a photograph of the candidate duly certified by the principal or headmaster of the school last attended, and by the application fee of one dollar. No applicant will be admitted to an examination without a receipt for this fee signed by the Registrar. Application (A) may be sent to the Registrar at any time during the year prior to the date of admission, but at the latest must be filed one month before the time set for the examinations if the applicant intends to take the entrance examinations.

Application (C) should be sent only after the student has finished his middle school course, so that the records therein may be complete.

These Applications for Entrance should be filled out as completely as possible. When there is doubt as to a candidate's admission, considerable weight may be given to his record of specific experience and unusual qualifications. No results of entrance examinations will be reported, or application for admission be approved, until Application (A), (B), and (C), as well as the photograph of the candidate, have been filed in the office of the Registrar.

If the student is to enter by examination, he should be sure to select the two subjects in which, in addition to the three compulsory examinations, he will sit for examination. He should make sure that he has received a receipt from the University for the application fee of one dollar, and that both he and the University know at which centre he will sit for examination and in which subjects he will be examined. If the student is to enter by certificate, he should make sure that the certificate as well as the application blanks are filled out and sent to the University not later than July 30, so that there may be no delays in entrance in case questions arise in connection with these papers.

After the University has accepted the results of the examination and the records on the blanks as satisfactory, and has informed the student of this fact, the student should come to the University at a date early enough to ensure the taking of the University Medical Examination and the English Placement Examination in the week preceding registration, the securing of a dormitory room, and the registration and payment of fees on the prescribed date.

Physical Examination. Sound physical health is essential for efficient University work. It will aid the University and in the end be to the interest of the applicant if the medical examiner, when filling out the

medical certificate, will refuse to pass a student who is not robust enough to pursue a university course of study. For purposes of record, in addition to the Medical Certificate, the University requires each new student to take a medical examination at the University before he registers. New students, therefore, should arrive at the University a few days before the day set for registration.

Intelligence Test. An intelligence test is given all candidates for entrance, whether entering by examination or by certificate. This is not an examination in the subject-matter of the middle school course; it is to test common sense and general fitness for university work, and no preparation is necessary.

Entrance by Certificate. Middle schools which maintain certain high standards will be accredited. A student who has graduated from one of these schools with a high record of achievement, and who presents a certificate from the principal or headmaster stating that he is well qualified in character and ability to undertake university studies, will be received without examination. (see page 53)

In all cases, the usual Applications (A), (B), (C), the fee, and the photograph must be presented. Besides these, a definite certificate of recommendation must be sent by the principal on a form supplied by the Registrar. Students recommended for admission by certificate, but required to take one or two entrance examinations, must take these examinations at the time of the regular entrance examinations, and will not be admitted to the University until these examinations have been passed successfully.

Admission of Women. Women are admitted to the Pre-Medical, Pre-Theological, and Education Courses of the School of Arts and Science, and to the School of Medicine and the School of Theology under the same general regulations and conditions as for the men students. Women will not be admitted unless they can take at least twelve hours of regular work, except in the case of those engaged in teaching, Y. W. C. A. secretarial work, or some other regular outside work which does not allow for more than a few hours of study a week.

Women students, before paying their fees and registering, must get a card from the office of the Dean of Women stating that their place of residence has been approved.

Entrance with Advanced Standing. Students who have satisfactorily completed at least one year of work at a recognized institution of college or university grade may be admitted to such advanced standing as their previous records may warrant. In filing applications for admission with advanced standing, students should furnish a record of their preparation in the middle school and a complete statement of their college work. These records, their certificate of honorable dismissal from the college from which transferring, a medical certificate, a certified photograph, and the usual application fee must be filed one month before the date of registration.

For students received with advanced standing, credits which are transferred from former institutions are subject to revision. Students coming from institutions which have a normal student study load (X) of more than sixteen semester hours are given transfer credits on the ratio of 16 to (X). If during the first year of work here, the student receive a failure or condition in a subject in which advanced credit has been allowed, the advanced credit in that subject shall be cancelled.

Students entering with advanced standing must be in residence at least two years before they can receive the Bachelor's Degree.

Credit for Summer School Work. Properly qualified students taking subjects of university grade in the University Summer Session may register for University credit for work done at that time. For further information see the bulletin of the Summer Session.

Post-Graduate Students. Graduates of recognized institutions of college or university grade will be received for post-graduate work in the School of Arts and Science or the School of Theology on presentation of proper credentials.

Graduates of medical schools are also received for registration in the School of Medicine as special students. They are allowed to attend classes, clinics, operations, etc. on the same conditions as undergraduate students, but it is not possible to arrange special exercises for their instruction. Inquiry may be made of the Dean in regard to terms.

Special Students. Students who do not expect to finish their university course, or who are not working for a diploma or degree, may be received as "Special Students". Each case will be considered on its merits, and such students admitted only by specific action, except that applicants who have graduated from middle school and have taught three years may, without specific action, be admitted as special students in ed-

ucation. The general regulations governing entrance to the University must be complied with. Special students in the Arts College are required to pay a special fee of five dollars each semester.

Transfer of Special Students to Regular Standing. A Special Student who has been admitted to the University without fulfilling the regular entrance requirements as regards entrance examinations, and who later wishes to transfer from special to regular standing or to become a candidate for a degree, must pass the general matriculation examination. This transfer cannot be made later than two years after the student's admission to the University.

A Special Student who fulfilled the regular requirements for entrance at the time of entering and later wishes to transfer from special to regular standing, may do so provided that he receives the approval of the Dean and of his Student Advisor, and that he can arrange his courses of study satisfactorily.

Special Students must follow in general the study requirements of regular students, and must have their study cards approved by their Student Advisor.

Registration. Before the time of Registration (see the University calendar and the Bulletin Board of the University Health Officer) each student must have a physical examination and receive from the Health Officer a card showing this to have been held. This card must be presented to the Registrar at the time of registration.

On Registration Day, the student will get from the Registrar's Office a Directory Card, a strip of Study Cards, Class Cards (one for each class entered), a Payment Slip, and other papers. After making out a Trial Study List, the student should get the approval of his Advisor to this, then copy it on a permanent Study Card, and then procure the signatures of instructors in English, laboratory, or special class sections. After receiving the approval of the Advisor to this, the Study Cards may be all filled in, and then the Class Cards, Directory Card, and Payment Slip must be filled in. The next step is to have these all checked by the clerks in the Registrar's Office, and stamped when correct. Then the cards are to be handed in and all fees paid.

For new students, a most important part of registration is the selection of a major subject. The student's Study List for each semester and his course of study for the four years can only be prepared in consultation with the Student Advisor for his major subject.

In preparing cards, the students should use the Wade system of romanization. A pamphlet showing the proper spelling under this system may be obtained from the Registrar's Office.

Students registering late are charged an additional fee of one dollar a day up to a maximum of three dollars. This fee is not excused when late registration has been approved. Late registration after three days is only on approval of the Dean. No student may be received later than two weeks after the beginning of the term except by special action of the Committee on Admissions.

At the end of the first two weeks, the study lists are considered as fixed. No changes may be made after that date except on the payment of a fee of one dollar.

Each person, whose registration has been completed, will be considered, as regards discipline, a student of the University and subject to the regulations of the University during the period for which such registration is held valid.

ENTRANCE EXAMINATIONS

TO THE SCHOOL OF ARTS AND SCIENCE
INCLUDING PRE-MEDICAL AND PRE-THEOLOGICAL COURSES

Entrance Examinations. The examination admitting to the Freshman Year of the School of Arts and Science and to the first years of the Pre-Medical and Pre-Theological Courses is known as the General Matriculation Examination. This examination is held twice each year.

The first General Matriculation Examination is held on the first Monday of July of each year. Registration for the examination and requests from middle schools for the examination questions must be in the hands of the Registrar not later than June 1st. The Application blanks (A., B.), the certified photograph, and the application fee of one dollar must be filed at the time of registration for the examination. No candidate will be admitted to an examination unless he holds a receipt for the application fee, signed by the Registrar.

This first examination is held regularly at Tsinan in the University buildings, but may also be held at any of the following or other places from which there come a sufficient number of applications: Wen Hua M. S., Weihsien; Ch'ung Shih M. S., Hwanghsien; Po Wen M. S., Teh-

chow; Ts'ui Ying M. S., Taian; Shou Shan M. S., Tsingchow; Yih Wen M. S., Chefoo; Wen Teh M. S., Tsingtau; Ch'ung Shih M. S., Peking; Ming Hsien M. S., Taiku; Hua Chung Shih Fan, Wuchang; P'ei Hsin M. S., Hsuehou; Shanghai College, Shanghai; Ch'ung Shih M. S., Taiyuan; Trinity College, Foochow; P'ei Yuan School, Ch'uan Chou, Fu; Union M. S., Canton.

The second General Matriculation Examination is held one week before the opening of the fall semester. Registration for this examination and all application blanks (A. B. C.), the certified photograph, and the application fee must be filed with the Registrar one week preceding the date set for the examination. This examination is held only at Tsinan at the University. It is not open to candidates for admission who failed in the July examination.

Candidates for admission may not occupy rooms in the University dormitories until they have been given admission certificates. These certificates cannot be given until all the records and papers of the candidate have been received and accepted.

By special arrangement the University of Hongkong Matriculation is accepted in lieu of the General Matriculation Examination of this University.

Regulations for the Conduct of the Examination. Uniform examination paper furnished by the University must be used. The papers will be numbered and no other marks indicating the identity of either the examinee or of his school may appear on the paper.

In examinations in Mathematics or in a subject requiring mathematical demonstrations, and in Essay papers, all the work done must appear on the papers which are submitted to the examiner, and processes as well as results will be considered in fixing the grades.

The language used in the examinations is Chinese, except in the examination in English. However, students whose preparation has been in part in the English language may take the examinations in the Natural Science, Political Science, and Geography Groups in English, provided that they state clearly on their application blanks their desire to do this.

Examination Subjects. Candidates sitting for the General Matriculation Examination are examined in five subjects. Three of these subjects are compulsory and two are elective. The subject-matter on which these examinations are based is described in the syllabus of University entrance subjects (see page 67).

(a) Compulsory Examination Subjects.

1. *Chinese Language and Literature.*

An essay in Wenli of not less than 300 characters is required.

2. *English Language.*

This examination may be waived in the case of Pre-Theological students who are not seeking a degree, but in this case another subject must be chosen from the elective groups so as to make a total of five examination subjects.

3. *General Mathematics.*

This examination consists of practical problems in arithmetic, algebra, geometry, and a little trigonometry.

These compulsory examinations are in the "tool subjects";—the subjects in which a student must be well grounded in order to be able to do University work.

(b) Elective Examination Subjects.

The candidate will choose two subjects from the following list, but not more than one subject from any group. This choice must be made when Application A is filed and should have the approval of the Principal of the school. Pre-Medical candidates are required to choose one of their two elective subjects from the Natural Science Group.

Group A. Natural Science

1. Physics
2. Chemistry
3. Biology

Group B. Political Science

1. Chinese History
2. Western History
3. Civics

Group C. Mathematics

1. Algebra
2. Plane and Solid Geometry
3. Trigonometry

*Group D. Geography**Group E. Religious Education*

A candidate taking an examination in natural science must present his laboratory note-books certified by his teacher and by the middle school principal or headmaster. Notebooks not thus certified will not be accepted. Note-books are credited as 20 percent of the entrance examination, and students not presenting certified notebooks will be marked down 20 per cent in the examination. The examination as well as the notebooks must give evidence that the student has had individual work in the laboratory and that he is familiar with the fundamentals of laboratory technique and physical measurements.

Entrance Examination Grades and Conditions. The grades given in the entrance examinations are A, B, C, C-, D, and E. A is excellent, B is good, C is average, C- is poor, D is not passing, E is failure. A student not passing in one subject may be allowed to enter the University, provided that his grades in other subjects are good, and that his total record (school record and examination record) shows clearly that he is a desirable student. This failure in an entrance examination constitutes a condition. When such a condition is allowed it must be removed by entering a class in that subject the first semester after entrance in the University. The conditioned student must study in this class at least one semester, and shall continue his study until he is able to pass a satisfactory examination and thus remove the condition. No college credit is given for this work of making up a condition. The make-up class will normally be conducted in the University Middle School.

Middle School Subjects Offered for Entrance. A unit of study in a middle school is defined as one 45-minute period of prepared classroom work per week throughout one semester in the junior middle school, or one 50-minute period of prepared classroom work per week throughout one semester in the senior middle school. Two periods of shop or laboratory work and the like shall be considered equivalent to one period of classroom work. The length of a semester should be from eighteen to twenty weeks.

The work of a six-year middle school should approximate 300 units. The University is prepared to recognize for entrance credit any subject having an established place in the middle school curriculum, in which adequate instruction is given, and which produces satisfactory results.

SYLLABUS OF MIDDLE SCHOOL SUBJECTS

The following brief statement will indicate in general the attitude of the University in judging the preparation deemed necessary in entrance subjects. No attempt is made to describe in detail all or any of the subjects which may be included in the middle school curriculum or offered for entrance. The chief purpose of this syllabus is to indicate in general what preparation is necessary for the entrance examinations.

English.

(60 units)

Work in English Conversation should be given at least two recitations a week throughout the six years of middle school. The student's efforts should be mainly devoted to the acquisition and the correct use of a limited vocabulary of every-day spoken English. The vocabulary found in the first four books of the Mastery of English Series is perhaps best suited and most convenient for such a foundation.

English Composition requires at least one or two recitations a week throughout the middle school course. The greater part of the student's time should be given to informal composition of sentences, paragraphs, and short themes. In the senior middle school however, some attention should be paid to the application of the fundamental principles of formal grammar. Among other texts the following are suggested as especially useful: Graybill's "Writing English", Wooley's "Written English", Fong Sec's "Intermediate Composition", and Tseu's "Specimens of Short Essays".

English Literature must be left for the most part to the collegiate course, but an introduction to a few foreign literary models may be given through senior middle school courses, using the collections of short stories or the series of English and American classics adapted to Chinese schools. Rapid sight reading, silent reading, and round-table discussions of these books in the last year of middle school should provide a basis for more advanced study in the University.

Standards for English in the University correspond to those of the "Diagnostic English Mastery Chart" (published by Edward Evans and Sons, Ltd.). The matriculation standard for the freshman class is a 'T' score of 56 or over.

Mathematics.

I. General Mathematics. (10 to 15 units).

General mathematics should consist, in correlated form and with the use of practical and experimental methods, of the fundamental principles of arithmetic, algebra, geometry, and numerical trigonometry. The following topics should be studied:

Linear equations in one unknown;	Simple formulas, meaning and use;
Ratio and proportion;	Negative numbers, meaning and use;
Quadratic equations in one unknown;	Simultaneous linear equations in two unknowns;
Numerical trigonometry, use of sine, cosine, and tangent in the solution of simple problems involving right triangles;	Graphs as methods of representing dependence;
Rational use of significant figures;	Computation with approximate data;
Graphic representation of statistical data;	Variation;
The linear function, $y = mx + b$;	The quadratic function $y = ax^2 + bx + c$;
Graphic solution of problems;	Use of tables in computation other than
Empirical curves, fitting curves to observations;	logarithms;

It is recommended that the middle schools give careful attention to the thorough mastery of these tool subjects and of the mathematical technique which they involve, giving ample opportunity for the ready application of the principles to practical situations and problems.

The scope and character of the course are shown in the following text books: "The New System Series of Correlated Mathematics for Junior Middle Schools", and "Breslich's Mathematics", Books I and II.

II. Advanced Middle School Mathematics. (10 to 15 units).

Entrance examinations in advanced mathematics are based on: (a) a course in Combined Mathematics or courses in Algebra and Plane Geometry; (b) Solid Geometry; and (c) Plane Trigonometry.

1. Combined Mathematics. (10 to 15 units).

With the foundation of the course in General Mathematics in the junior middle school the work in the senior middle school should consist of a year, or a year and a half;—half a year being given to Demonstrative Geometry, half a year to Algebra, and half a year to a review of General Mathematics with the addition of a study of the use of the slide rule, and the use of Logarithms in computation.

2. Algebra. (8 to 10 units).

The course in Algebra should cover the following topics; Algebraic addition, subtraction, multiplication, and division; Special methods in algebra; Factors; Highest common factor; Lowest common multiple; Fractional equations; Simple equations; Simultaneous simple equations; Simple equations-graphs; Inequalities; Involution and evolution; Theory of indices; Radicals; Radical equations; Surds; Quadratic equations; Simultaneous quadratic equations; Roots; Quadratic equations-graphs.

3. Plane Geometry. (3 to 5 units).

The course in plane geometry should cover the following: The straight line; The circle; Proportion; Similar polygons; Area of polygons; Rational polygons.

4. Solid Geometry. (3 to 5 units)

The work in Solid Geometry should include the following: Space—lines and planes; The Polyhedron; Cylinder; Cone; Pyramid; and Sphere.

5. Plane Trigonometry. (5 to 8 units).

The work in Plane Trigonometry should include the following; Functions of acute angles; Right-angled triangles; Methods of measuring triangles; Oblique triangles; Problems of measurement; Tables and construction.

Religious Education. (20 units).

The courses in Religious Education studied in the junior and senior middle schools and offered for university credit should cover in general the topics below. The entrance examination will be based on these topics, but a choice of questions will be allowed since a complete covering of all topics is not expected.

1. Old Testament Biography.

Study the main points in the lives of Abraham, Moses, Samuel, David, Solomon, Elijah, Amos, Isaiah, Jeremiah, Nehemiah, Ezra,

2. New Testament Biography.

The life of Jesus Christ; and the lives of Paul, Peter, John, and Mark.

3. The lives of great men and women of Christendom, as:

St. Augustine, Martin Luther, St. Francis, Wycliffe, John Knox, George Fox, Elizabeth Fry, Florence Nightingale.

4. *Old Testament History.*

- a. Old Testament geography.
- b. Early Hebrew life and history before the settlement of Canaan.
- c. Social conditions before the establishment of the kingdom.
- d. The rise of the kingdom and the causes and results of its division.
- e. The period of the two kingdoms, emphasizing the influences of Syria, Egypt, Assyria, and Babylonia.
- f. The history of Judah after the fall of Samaria.
The work of Isaiah, the reform of Josiah, and the work of Jeremiah.
- g. The dispersion and the religious significance of the exile.
- h. The return to Jerusalem.—The work of Nehemiah and Ezra.
- i. The sources of the Old Testament and the history of its literature.

5. *Studies in the life of Christ, emphasizing His character, work, and teachings.*6. *Studies in Acts and the Pauline letters.*

The following texts, or similar ones, cover the ground of the topics given above:

Luce,—Life and Teachings of Christ, The Acts and Epistles, and A Harmony of the Gospels,—Mission Book Co.	
Wright and Chen, Old Testament History	Kuang Hsueh Pub. Co.
Chen and Rawlinson, Historical Life of Christ	Mission Book Co.
Rauschenbusch, Social Teachings of Jesus	Kuang Hsueh Pub. Co.

Also consult: Mandarin Bible Dictionary—Religious Tract Society.

Hastings Bible Dictionary; Hayes, Church History 2 vol.; Christian Biographies; and Allen, Life of Martin Luther,—all of Kuang Hsueh Pub. Co.

Science (Biology, Chemistry, Physics).

A candidate taking an examination in any of the natural sciences must present his laboratory note-books, as a record of the experiments which have been performed by the student himself. Each experiment should be initialed by the instructor. The note-books as well as the examination must give evidence that the student has had individual work in the laboratory and that he is familiar with the fundamentals of laboratory technique.

The note-books must be certified by the principal or head-master of the middle school, and should be sent—preferably by the school directly, rather than by the student—to the Registrar of the University.

It is to be understood that note-books which contain merely notes taken during the instruction periods, notes on demonstrations, or notes copied from text-books cannot be considered as fulfilling this requirement.

Biology.

(6 to 10 units),

The course should require three double-periods of laboratory work and two single-periods of recitation per week throughout the year.

The scope of the requirement in biology is indicated below:

I. How Plants and Animals Live.

Environment, adaptation and adjustment, orderly arrangement of kinds, life of *Artemisia*, life of Honey-bee.

II. Relation of Life to Food.

(1) In Plants:—Structure and work of roots, soils and soil conservation; structure and work of stems; forestry; structure and work of leaves.

(2) In Animals:—Food of animals; digestion; respiration and circulation.

III. Responses.

Examples of simple responses; chemical senses; sound and hearing; light and vision; tactile senses; nervous system of animals; instinct, habit, and intelligence; effects of poisons.

IV. Growth and Reproduction.

(1) Life histories of plants,—An alga; a moss; a fern; a flowering plant; pollination; seeds; fruits; seed distribution; propagation of plants.

(2) Life histories of animals:—A fish; a frog; a bird; a mammal.

(3) Variation and heredity.

V. Interrelation of Life Forms.

Parasites; symbionts; saprophytes; commensals; predators; slaves.

VI. Applications of Biological Principles.

Seed selection; animal breeding; causes of disease; prevention of disease; carriers of disease (fly, mosquito, etc.); plant disease and controls; weed problem; parasitic worms; insect enemies and their control; fish culture; birds in relation to man.

Special stress should be placed on the preparation of the laboratory reports. The student should be trained to present his facts in as concise and systematic form as possible. Tabulation and simple, unshaded, outline drawings are the most satisfactory ways of recording the observations. Each section of the subject should be followed by a review and summarization which will insure that the students have grasped the principles underlying their observations.

Theories and material of philosophical interest alone should form no part of the course. The course should be in every way practical.

The following texts are recommended for the guidance of the teacher:—

Atwood—Civic and Economic Biology. Gruenberg—Elementary Biology.

Hunter—Civic Biology. Hodge and Dawson—Civic Biology.

Gruenberg and Wheat—Student's Manual of Exercises in Elementary Biology.

Bergen and Davis—Laboratory and Field Manual of Biology.

Hunter—Laboratory Problems in Civic Biology. Gruenberg—Manual of Suggestions for Teachers.

Chemistry.

(6 to 10 units.)

At least half of the number of units of credit in chemistry should represent laboratory work. Ten units of credit will represent about two periods of recitation work and three double-periods of laboratory work per week for two semesters.

The topics covered in the middle school chemistry course should include the following:

Use of the balance; Principles of the quantitative method; The atmosphere and oxygen; Nitrogen; Carbon and its compounds; Fuels; Water and hydrogen; Acids, bases; Chlorine and the halogens; Salt, soda, saltpeter; Representative metals; Chemistry of plant life; Chemistry of animal life; Foods and nutrition.

The method of teaching the chemistry course is far more important than the subject matter; and credit will be given according as it is evident that the student has received an intelligent grasp of the subject and its relation to the problems of his environment, rather than evidence of having studied a certain number of prescribed topics. All topics should be introduced through the medium of the laboratory, and the other class periods should be used essentially to supplement the laboratory work. A thoroughly inductive treatment is desirable. The emphasis in middle school chemistry should be constantly on applications. The course should be planned definitely to interpret in a scientific way the chemical phenomena of everyday life. Theories should not be stressed; but an understanding of the quantitative method, and training in accuracy and exact observations, are an essential part of the course.

It is preferable that the middle school course in physics should precede the course in chemistry.

The scope and general method of treatment of the course may be learned by consulting one of the following commonly used texts:—

- Black and Conant—Practical Chemistry, with
Black—Laboratory Experiments in Chemistry.
- McPherson and Henderson—Elementary Study of Chemistry, with
McPherson and Henderson—Exercises in Chemistry.
- McPherson and Henderson—Chemistry and its Uses, with
McPherson and Henderson—Exercises in Practical Chemistry.
- Coulthard—First Book of Chemistry.

Physics.

(6 to 10 units.)

The requirement in Physics is a course in elementary Physical Measurements, which will give the student a working knowledge of:

1. Concepts in Physics such as length, area, volume, mass, weight, density, specific gravity, time, force, pressure, velocity, acceleration, work, efficiency, heat, temperature; the nature of coefficients such as expansion, friction, etc.; with the units in which each are measured.
2. Simple laws of reflection and refraction of light, formation of images by mirrors and lenses, using the ideas of elementary geometric optics.

3. The nature of periodic motion, using as illustrations pendulums, vibrating springs, water waves and sound waves; and familiarity with the terms—period, wave length, amplitude, frequency.

4. The magnetic effects of electric currents and Ohm's Law, with simple applications.

The course should be built up about laboratory experiments performed by the individual student. These should aim to be mostly quantitative in nature. The student should know how to observe and record data in an intelligent way, as well as to be able to present his results clearly and, whenever possible, graphically.

The note-book record should clearly show the object of the experiment, the apparatus used, description of method with drawings, data as observed, and results and conclusions.

It is suggested that Stifer's "Exercises in Elementary Physics" be considered as indicating the minimum requirement. Other texts suggested for reference are:—Watson—Elementary Practical Physics; Millikan, Gale, and Bishop—Laboratory Physics; Shih Yien Chiao Cheng (Translation from Millikan and Gale's Laboratory Physics); Carhart and Chute—Laboratory Physics.

Western History.**I. Pre-Historic Times.**

1. Earliest Man.
 - a. Origin of animal and human life.
 - b. Dawn of civilization.
 - c. Stone Age; Bronze Age; Iron Age.

II. Historic Times.

1. The Ancient Period.
 - a. A brief study of the histories of Egypt, Phoenicia, Judea, Babylon, Assyria and Persia; emphasizing the outstanding features of their several cultures.
 - b. The History of Greece, Macedonia and the Roman Empire, placing special emphasis upon the factors contributing to the development of the Middle Ages.
2. The Mediaeval Period.
 - a. The Teutonic invasions; the decline of the Roman state and culture; the beginnings of new European states.
 - b. Mohammedanism; conflict between Christianity and Mohammedanism.
 - c. Feudalism; origin, decline, value.
 - d. Development and spread of Christianity; the crusades; the origin, growth and power of the Papacy; conflict between Church and State; the Reformation and Counter-Reformation; religious wars.
 - e. The Renaissance; the age of discoveries (America).
 - f. Political development in the leading countries of Europe.

3. The Modern Period.

a. To 1914.

1. England; revolutions; colonial and commercial policy; growth of modern democracy.
2. France; Louis XIV; French Revolution; rise and fall of Napoleon; revolutions of 1830 and 1848; recent development.
3. Spain; loss of the Netherlands; decline.
4. Russia; Peter the Great; wars with Turkey; Congress of Berlin.
5. Rise of Prussia; Frederick the Great; Partition of Poland; war with Austria.
6. Unification of Germany and Italy; Bismark and Cavour.
7. The United States; War of Independence; slavery and Civil War; later political development.
8. South America; a brief general survey.

b. Since 1914.

1. The Great War; causes and effects.
2. Versailles Treaty; territorial changes.
3. International organizations; League of Nations, the International Labor Organization and the International Court of Justice.
4. The Washington Conference; attempt at limitation of armaments.

The following text-books are recommended:

1. For Pre-Historic Times:

新學制高級中學西洋史 (商務印書館)。

2. For the Ancient, Mediaeval, and Modern Periods:

新學制高級中學西洋史 (商務印書館); 共和國教科書西洋史 (商務印書館) 中華書局之西洋史; 新著世界史 (商務印書館)。

3. For the Latest Period:

新著西洋近百年史 (商務印書館) 新著世界史 (商務印書館)。

For the benefit of the schools that wish to do the work in English we would recommend the use of "A First Book of World History" by F. J. C. Hearnshaw (Macmillan and Co. London. 1924. Pages IX: 194). Although the title suggests that this is a General History, it really is a first book of Western History.

Civics.

(12 units)

1. Group Life.
2. The Family.
3. The School.
4. Religion.
 - a. Confucianism
 - b. Taoism.
 - c. Buddhism.
 - d. Christianity.

5. Political Organization.

a. General.

b. National (Chinese)

1. The Chinese State.
2. The Chinese Government.
 - a. Central.
 - b. Provincial.

c. International.

1. The League of Nations.
2. The International Court of Justice.
3. The International Labor Office.

6. Law.

a. The State and Law.

- b. Characteristics and Functions of Law.
- c. Kinds of Law.

The 新制公民須知 and the 新學制公民教科書, both published by the Commercial Press, are recommended as text-books. For those who desire to use English text-books, the following will be found of use: "Modern China", by H. B. Graybill, Ginn and Company, and "Community Life and Civic Problems", by H. C. Hill, Ginn and Company.

Geography.

(16 units)

The aim of the study of Geography in the junior middle school is to understand the important phenomena of the world and by a survey of the earth to acquire the fundamentals of Geography. The aim in the senior middle school is, with this fundamental knowledge, to study the conditions in each country and to be able to divide the world into its natural divisions and to find out their special characteristics and the relations between them. So close is the relation between the study of Geography in the junior and in the senior middle schools, that a student should have full knowledge of both, and the entrance examination will be based on both.

As a most important part of both junior and senior middle school work in Geography is the laboratory work, the student must present his notebook and charts in order to receive credit. The notebook and charts must be certified by the instructor in order to be accepted.

Outline of the Chief Topics in Junior and Senior Middle School Geography.

1. The characteristics, appearance, and changes of the Earth.
2. The meaning and use of Latitude and Longitude. Pay especial attention to the influence of the Tropic of Cancer, the Tropic of Capricorn, the Arctic Circle, and the Antarctic Circle upon human life.
3. The general physical features of each continent.
4. The climate, meteorology, temperature, pressure, winds, rainfall.
5. The influence of the distribution of plant life on products and industry.

6. The influence of natural surroundings on men's professions, as, -hunting, herding, farming, sailing, trading, etc.
7. The distribution and density of population.
8. The more important cities and ports and the reasons for their growth.
9. Tide and ocean currents and their influence upon human life.
10. The appearance, climate, products, industries, and life of each country, and the natural divisions to which they belong. Pay especial attention to China.
11. Special Problems.
 - a. The distribution of natural products; b. The use, waste, and conservation of natural resources; c. The commerce of the world; d. The question of over-population; e. International problems.
12. The climate, products, and human life of different regions and their natural divisions.

Laboratory work in Geography.

1. To understand and use relief maps, and contour maps.
2. To distinguish common ores and rocks.
3. To do simple surveying.
4. To make simple observations and records of the weather.
5. To make graphs and comparative charts of temperature, pressure, and rainfall.
6. To make rough graphs and charts from the student's own observations of the weather.
7. To make observations of the local geography.

Chinese Language and Literature.

(60 units)

There is so little uniformity among middle school courses in Chinese Language and Literature that it is impracticable to enforce detailed entrance requirements. The entrance examination is intended to test the student's ability to use the language in expressing ideas clearly and properly, and to test his general knowledge of the content of Chinese Literature. Schools should emphasize the methods of teaching, require the reading of newspapers and magazines, and spend considerable time on Modern Chinese. We would further recommend that in addition to the usual weekly essay there be some practice in practical composition once a week.

In order to secure a higher standard of work in the entrance examination papers, the attention of the student is called to the following:

1. Pay attention to the writing. Papers written with grass characters, or containing wrong characters or abbreviations will not be accepted.
2. Wenli must be used; Kuo Yu will not be accepted.
3. Papers should consist of positive statements regarding actual facts and records, rather than general vague descriptions and discussions.

Chinese History.

(18-25 units)

The syllabus for Chinese History will appear in the Chinese edition of this bulletin.

ADMISSION TO SCHOOL OF THEOLOGY

Admission to the School of Theology is granted to students having the following qualifications:—first, to those who are graduates of the School of Arts and Science or of other recognized institutions of the same rank; second, to those who have completed satisfactorily a Pre-Theological Course of one year or more in a College of Arts or its equivalent.

College Graduates. College graduates are admitted without examination, on presentation of the proper credentials and the fulfillment of the other regulations for entrance (see below).

Pre-Theological Students. Pre-Theological students who have completed a six-year middle school course, have matriculated in an institution of college rank, and have there completed satisfactorily at least one year of Pre-Theological study, are admitted without examination, on the presentation of the proper credentials and the fulfillment of the other regulations for entrance (see below). Students with incomplete or unsatisfactory credentials must pass entrance examinations based on the subjects of the Pre-Theological Course.

For information regarding the requirements for entrance to the Pre-Theological Course, see pages 59-76. For information regarding the work of the Pre-Theological Course, see the bulletin of the School of Arts and Science.

Women Students. Women are admitted to the School of Theology on the same conditions as men students.

Graduate Students. The School of Theology welcomes graduates, either of its own or of other colleges and universities whether pastors or preachers, who may desire to enter this School for a period of study after some years of active work. Every facility for study will be offered to such students and they will be given the fullest freedom in the choice of courses which may best meet their needs. They may also select suitable courses in the School of Arts and Science.

Special Students. Applicants who are unable to meet the conditions for entrance outlined above, but who have special experience in Christian service, or exceptional qualifications, may be received after examination by the Faculty as to their fitness to take the course. These students rank as Special Students. They must conform to the rules and

regulations of the School. On finishing their work they may be given a certificate as evidence of their residence and work here.

Applications for Entrance. Each candidate for admission is required to present an Application for Entrance, made out on the blank forms furnished by the University, which will be supplied on application to the Registrar or to the Dean of the School of Theology. The Application includes a formal application for admission (A), a medical certificate (B), a certified statement of scholastic work done (C), a certified photograph, and a recommendation from the Church or Mission to which the candidate belongs. These papers and records should be filled out as completely as possible. When there is doubt as to a candidate's admission, considerable weight may be given to his record of specific experience and unusual qualifications. Applications and all credentials must be filed in the office of the Registrar at least one month before the time set for the opening of the term, and no admission will be approved until all these papers have been so filed.

ADMISSION TO SCHOOL OF MEDICINE

For admission to the School of Medicine the following regulations are made:—

(a) The candidate must have graduated from a six-year middle school or have done equivalent work. For standards as to work which should be covered in the middle school, see Syllabus of Middle School Subjects, pages 67—76.

(b) Following graduation from middle school, the candidate must have done two years work in a recognised institution of college grade, including a minimum amount of work in the various subjects as shown by the schedule of Entrance Requirements included below. These courses may be taken in the Pre-Medical Department of Shantung Christian University, for admission to which see pages 59 to 76. The Pre-Medical course of study may also be taken in other recognised institutions of suitable grade which provide the requisite amount of laboratory work in each subject. In all cases, however, graduates of Pre-Medical courses, *either of this or other universities*, will be required to present themselves for the entrance examination of the School of Medicine at the conclusion of the Pre-Medical work.

Application for Entrance. Previous to June 1st, formal applications for entrance must be filed with the Registrar of the University. The forms for these may be had on application to the Registrar's office.

The candidate's application must include (1) evidence that he has graduated from an approved middle school or has done equivalent work; (2) evidence from the college where the Pre-Medical work was done as to good character, and that the subjects specified below have been covered; this should include a description of the courses studied, the time occupied in each subject and the grades secured; (3) laboratory note-books, signed by the instructor, for the Biology, Chemistry, and Physics courses (note-books not signed by the instructor will not be accepted); (4) a medical certificate filled out and signed by a qualified physician; (5) a certified photograph.

Entrance examinations are held at the end of June of each year. For the exact date, see the calendar of the School. The examinations are held in Tsinan, but arrangements may be made for their being held also in other places if the number of candidates warrants.

Women Students. Women students are admitted to the School on the same terms as are men.

Registration. For regulations regarding registration, see pages 63 and 64. Except in the case of students entering with advanced standing no student will be admitted later than two weeks after the opening of the School in September.

Physical Examination. A Physical Examination is required of all applicants for admission, and admission may be refused on the basis of ill health.

SYLLABUS OF PRE-MEDICAL SUBJECTS

Showing the Requirements for Entrance to the School of Medicine.

Biology.

The student should complete at least one year of college grade work in General Biology and one year in General Zoology. This should represent not less than twelve credit hours.* Of this time not less than a total of 250 hours should be spent in laboratory work.

The work should be based on the following or similar texts:

*A 'credit hour' is one hour a week in recitation or lecture, or two hours a week in laboratory, over a term of eighteen weeks.

First Year: Shull, Principles of Animal Biology, McGraw Hill Book Co.
Woodruff, Foundation of Biology, Macmillan Co.

Second Year: Thomson's Outlines of Zoology, Hodder & Stoughton. Reese, Introduction to Vertebrate Embryology, Frog only.
G. P. Putnam. Translation: Presb. Mission Press.
Pratt, Vertebrate Zoology [Sections on the dogfish, frog, turtle, bird and mammal, especially the latter.] Ginn & Co.

Physics.

This is a course of general physics of college grade of at least sixteen credit hours. Of this, not less than one hundred and twenty-five hours must be spent in the laboratory, doing individual work and receiving individual instruction.

In general, it is suggested that the work covered in the laboratory should follow Millikan's "Mechanics, Molecular Physics and Heat" and Millikan and Mill's "Electricity, Light and Sound".

For general reading and lectures, Kimball's "College Physics" and Millikan and Gale's "First Course in Physics" are suggested.

Chemistry.

This is a course of four terms of laboratory work, covering General Chemistry, Qualitative and Quantitative Analysis, and Organic Chemistry. The aim of the work in Chemistry should be to train the student to think in terms of modern chemical concepts and to familiarize him with methods of laboratory study.

The total requirement in Chemistry is reckoned as a minimum of twenty credit hours. It is suggested that the Pre-medical Chemistry Course pursue the method and cover the ground represented in the following texts.—

McPherson and Henderson: General Chemistry.
McPherson and Henderson: Laboratory Manual.
Noyes: Qualitative Chemical Analysis (metals only).
Chapin: Second Year College Chemistry.
Chapin: Exercises in Second Year Chemistry.
Talbot: Quantitative Chemical Analysis (selection from this text).
Cohen: Theoretical Organic Chemistry.
Fisher: Laboratory Manual of Organic Chemistry (shorter course).

Chinese.

Students are expected to have studied Chu Dzi 朱子 and Chinese Composition.

One examination will be held in Chinese Composition, which paper will be set to test the student's fluency and neatness in the literary style. Compositions must contain at least three hundred and fifty characters and the subject will be selected from the work studied as stated above.

English.

A student should have 16 credit hours in college English after six years of Middle School study in that subject. The examination is a test of his ability to use English correctly rather than a test of his knowledge of the rules of grammar, composition, etc.

Advanced Standing. At the discretion of the Faculty, students from other medical schools of recognized standing will be received into the upper classes of the Medical School upon the following conditions:—

1. That they present evidence of having fulfilled the entrance requirements, and of having spent as many years in medical study as they desire credit for.
2. That they pass examinations in the subjects for which they desire advanced standing.

UNIVERSITY FEES AND DEPOSITS.

The schedule of University Fees and Deposits, due at the beginning of the semester, in local currency, is as follows:—

TUITION:

Arts and Science—Arts and Science Courses	\$25. per semester
Pre-Theological Course	10. " "
Pre-Medical Course	30. " "
Theology	10. " "
Medicine	30. " "
ATHLETICS:—All Schools	2. " "
DORMITORY:—All Schools, room, light, and heat	7. " "

BREAKAGE DEPOSITS—GENERAL AND LABORATORY:

Arts and Science—Arts and Science Courses	\$3. annually, payable in fall
Pre-Theological Course	3. " "
Pre-Medical Course	8. " "
*Chemistry and Physics Laboratory	3. " "
†Light Deposit	4. " "

*Additional deposit to be paid only by students in the School of Arts and Science studying Chemistry and Physics.

†Deposit to be made by all Arts and Science and Theology students, to be checked pro rata for any excess of light used above the allowance provided in the University budget.

Theology	\$1. payable in fall annually,
Medicine	5. " "
KEY DEPOSIT:—Arts and Theological Schools	1. returnable on return of key.

DEPOSITS FOR BOARD:

Arts and Theology (to Treasurer)	\$25. per semester
Medicine (to Students' Committee) (approx.)	30. " "

SPECIAL FEES:

Graduation fee, payable the Monday before Commencement	3.
Special Students, extra fee	5. per semester
Part-time Students, tuition	5. each study
Special examination fee	2. per examination
Late registration fee	1. per day
Change of Study Card after two weeks	1.
Piano lessons, with use of piano	\$15. per semester

No refunds of fees are to be made after the first fortnight of each semester, except by special approval of the Dean.

A ruling of the University provides that fees may be raised at any time at the discretion of the Field Board of Managers.

Student Trips. Occasional trips for students to points of interest and instruction have been arranged. These have been conducted personally by members of the faculty. The costs of the same have been paid in part or entirely by the students themselves. At all times such trips are entirely optional, and students are at liberty to refrain from participating in them if they feel they cannot afford them.

STUDENT EXPENSES.

The tables below furnish estimates of the annual expenses of a student in the University. Travel and vacation expenses are not included. Some students by bringing clothing from home make this item lower than what is given below. Men and women students in the same School and Course have approximately the same expenses.

School of Arts and Science
ARTS, SCIENCE, AND EDUCATION COURSES

	Low	Average	High
Tuition	\$50	\$50	\$50
Athletics Fee	4	4	4
Dormitory Fee	14	14	14
Light Deposit	4	4	4
Breakage Deposit	3	3	3
Laboratory Fee	3	3	3
Key Deposit	1	1	1
Board	50	50	50
Books and Stationery	15	25	50
Clothing	24	35	70
Contributions	3	5	8
Miscellaneous	10	25	40
TOTAL	\$181	\$219	\$297

PRE-THEOLOGICAL COURSE

Student expenses in this Course will approximate the lowest column given above, with the exception of tuition which is \$20. Thus the total yearly expense will vary from \$151 up.

PRE-MEDICAL COURSE

	Low	Average	High
Tuition	\$60	\$60	\$60
Athletics Fee	4	4	4
Dormitory Fee	14	14	14
Breakage Deposit & Laboratory Fee	8	8	8
Light Deposit	4	4	4
Key Deposit	1	1	1
Board	50	50	50
Books and Stationery	20	35	60
Clothing	24	35	70
Contributions	3	5	8
Miscellaneous	10	30	45
TOTAL	\$198	\$246	\$324

STUDENT EXPENSES

School of Theology

	Low	Average	High
Tuition	\$20	\$20	\$20
Athletics Fee	4	4	4
Dormitory Fee	14	14	14
Breakage Deposit	1	1	1
Key Deposit	1	1	1
Board	50	50	50
Books and Stationery	8	12	25
Clothing	24	30	40
Contributions	3	5	8
Miscellaneous	4	20	40
TOTAL	\$129	\$157	203

School of Medicine

	Low	Average	High
Tuition	\$60	\$60	\$60
Athletics Fee	4	4	4
Dormitory Fee	14	14	14
Breakage Fee	5	5	5
Laboratory Expense	12	15	20
Board	60	60	60
Books and Stationery	40	50	75
Clothing	30	50	70
Contributions	7	11	15
Miscellaneous	13	30	50
TOTAL	\$245	\$299	\$373

Self-Support of Students

A few students find it possible to earn part of their expenses while attending the University. These are usually junior or senior students who can secure positions as tutors and part time teachers in the city, or as assistants in various departments and laboratories in the University. No student should come to the University expecting to earn part of his way without first making sure that he can find a position. Students earning part of their expenses should not plan to undertake the full number of units of study during the semesters in which they are doing this outside work, and should expect to spend more than the usual number of years in residence.

SCHOOL OF ARTS AND SCIENCE
CURRICULUM

The aim of the School of Arts and Science is to give students sound pre-professional preparation for the study of Medicine, pre-professional preparation for the study of Theology, professional training for Teaching, and studies in Arts and Science to educate in General Culture as well as to complement and supplement the former. To these ends the School offers an Arts and Science Course of four years, a Pre-Medical Course of two years, a Pre-Theological Course of two years, and an Educational Course of four years. For regulations governing entrance requirements, see pages 59 to 67. The Courses of Study in Pre-Medicine and in Pre-Theology are prescribed, while those in Arts and Science and in Education are partly prescribed and partly elective. The strictly prescribed work of all courses is largely covered in the Lower Division of the School, i. e. the first two years.

General Course Requirements in Arts, Science, and Education. The departments of study are arranged in three groups, as follows:

I. Natural Science.	II. Social Science.	III. Literature and Language.
Astronomy	Economics	Chinese
Biology	Education	English
Chemistry	History	
Mathematics	Political Science	
Physics	Psychology	
	Religious Education	
	Sociology	

Subject Requirements. The subject requirements for the four years of work may be stated as follows:

	Semester hours
Required Courses:—Chinese	16
English	16
Backgrounds of Civilization	8
Total of Required Courses	40
Majors and Minors:—1 Major Subject	24
1 Minor in Education	12
1 Additional Minor	12
Total for Majors and Minors	48
Elective Courses	40
Total Requirements for Four Years	128

This total of 128 semester hours of credit required in order to graduate gives the student an average of 16 semester hours of study each semester. This is the amount of work carried by the average student. In special cases permission may be granted by the Dean for a student to take as many as 18 semester hours in one semester, but this will be done only on specific recommendation of the Student Advisor.

Major Subjects. Majors are offered in Chinese, Education, English, History-Political Science, Mathematics-Astronomy, Biology, Chemistry-Physics, and Sociology-Economics. (In 1928 no major is offered in English.) A Major Subject is chosen by each student before entering upon the first year's work. The instructor in charge of this subject will act as the student's Advisor and will have a large share in determining the subjects which the student will study. Students majoring in Education, English, or Chinese shall fulfill the requirements of their major subject by completing 24 credit hours of study in that subject over and above the elementary and introductory courses.

By the end of the Sophomore year it is presumed that the student has acquired the necessary knowledge of himself and of the opportunities for study offered by the School to enable him to choose wisely his special field of interest. Therefore no change in Major Subject is allowed a student after the close of the Sophomore year. Before that time, petitions to change the major subject will be granted when approved by the Student Advisors concerned and by the Dean. The student will be required to fulfill all the requirements of the new major subject.

Minor Subjects. The student is required to select two minor subjects, one of which must be in Education unless his major is Education. A student majoring in Education shall fulfill minor requirements in two other subjects. A student taking a minor in English, Chinese, or History shall fulfill the requirements of that minor by completing 12 credit hours of study in that subject over and above the elementary and introductory courses.

Courses in Other Schools. Students registering in one School may also elect courses in the other Schools of the University, and will receive credit for these courses. However, courses taken in other Schools must not total more than one-third of the full number of units of credit required for graduation.

English Requirements. Much of the work in the School of Arts and Science is essentially bi-lingual, both English and Chinese being

used as media of instruction. A reading knowledge of English is presupposed of all students, while some courses are given entirely in English. The requirement of 16 semester hours of study in English may be waived in part or in whole in the case of students who have reached a standard in English three years above that required for entrance. The determination of the standard reached by any given student shall be made by the Department of English.

Selection of Courses. A most important part of Registration is the selection of the courses to be studied. The student should first make out a tentative Trial Study List, using the cards given him at the Registrar's Office and consulting the schedule of classes and the catalogue of studies. This Trial Study List must be thoroughly considered with the Advisor and must receive his approval. A Student in the Lower Division (the first two years) should follow closely the Sequence of Courses for his Major Subject (see the following pages). For the details of Registration, see page 63.

A student desiring to drop a subject once taken up, or to take up a new subject after the Study List has been filed, must secure the permission of his Student Advisor and of the Dean and of the instructors concerned. At the end of the first two weeks the study lists are considered as fixed. No changes may be made after that date except on the payment of a fee of one dollar.

The Semester Hour of Credit. The Unit of Study for which credit is given is the Semester Hour, which is understood to represent approximately one class period per week throughout one semester. Each of these class periods should require two hours of preparation, or subsequent reading or study. Courses of study which require less preparation will have a proportionate decrease in the amount of credit allowed. From two to three periods of laboratory work per week during one semester will receive in general one semester hour of credit.

Scholarship Grades. In reporting the standing of students at the close of each semester, the following marks are used: A, B, C, C-, D, E, Inc., L. Their values are: 'A' - Achievement of a very high order; 'B' - Good and above the average; 'C' - Satisfactory - the average of the class; 'C-' - Passing, but rather poor; 'D' - Conditioned - unsatisfactory, but open to re-examination; 'E' - Failed; 'Inc.' - Incomplete as regards term work or examinations; 'L' - Left the class some weeks before the final examinations. For instructors who prefer to make their original grades

in percentages, the values may be stated as: 'A' = 95-100%; 'B' = 85-94%; 'C' = 75-84%; 'C-' = 65-74%; 'D' = 55-64%; 'E' = 0-54%. Marks of 'Inc.' and 'L' are given the same value as 'E' unless they have the written excuse of the Dean. In grading classes, 'A' is considered normally applicable to 1%-5% of the class, 'B' to 20%-25%, 'C' to 45%-50%, 'C-' to 18%-25%, 'D' to 5%-10% and 'E' to 1%-3%. This distribution of grades is obligatory on all instructors, but is understood to admit of a certain degree of flexibility, especially in the handing of small classes.

Merit Points and Grade Ratio. A student's scholarship standing is determined in part by a system of merit points and grade ratios.

A semester hour with a grade of A receives a merit point of 2.

A semester hour with a grade of B receives a merit point of 1.5

A semester hour with a grade of C receives a merit point of 1.

A semester hour with a grade of C- receives a merit point of .5

A semester hour with a grade of E receives a merit point of .5

A semester hour with a grade of 'D' receives no merit point, but the hour is counted in the total of hours by which the grade ratio is calculated. 'Inc.' or 'L', if excused, may be changed to any grade by a completion of the unfinished work, and will receive then the corresponding merit point; if unexcused, the grade counts as an 'E', and has its corresponding merit point. A grade of 'D' may be changed by re-examination only either to 'C-' or to 'E' and will then receive the corresponding merit point. If a 'D' is not removed within one calendar year it automatically becomes an 'E'.

The Grade Ratio of the student is computed, semester by semester, by dividing the total number of merit points received by the total number of semester hours studied in the semester under consideration.

Conditions. A student conditioned in any subject must remove the deficiency within one calendar year or the work will be considered a failure. A condition may be removed by a re-examination, which may take place at the time of the next regular term examination or at a time set by the instructor concerned. If a re-examination to remove a condition or to make-up a missed term examination is taken at the time of a regular term examination, no fee is required. If at a special time, a fee of \$2.00 for one examination, \$4.00 for two, and \$5.00 for three or more will be charged. Arrangements for special examinations must be made through the Dean. When a condition is removed, only a pass grade

'C-', will be given. Only one re-examination to remove a condition is permitted—a failure in this constitutes a failure in the subject. The student must take the initiative in removing a condition.

When a condition has been properly removed, the student's grade ratio for the semester's work concerned will be corrected.

Failures. A failure may be removed only by repeating the subject. Considering two semester hours of credit which are conditioned as being the equivalent of one semester hour of credit which is failed, a student who receives in any one semester the equivalent of eight semester hours of credit conditioned will not be allowed to remove these conditions by re-examination, but must repeat the subjects concerned in order to receive credit for them.

A grade received in a repeated course will be counted in the grade ratio of the semester in which it is taken and does not affect the grade ratio of the semester in which the failure was incurred.

Probation and Disqualification. Any student (with exception noted below) who receives in any one semester the equivalent of twelve semester hours of credit conditioned will be disqualified for further attendance at the University. However, a first year student who receives in the first semester the equivalent of more than eleven and less than sixteen semester hours of credit conditioned will be placed on probation for the following semester. If in the following semester the student does not make satisfactory progress in his studies, he will be disqualified for further attendance at the University.

Normally, a student, who at the end of his first year has an average grade ratio of less than .75, will be disqualified for further attendance at the University. In special cases, a student who seems worthy and whose grade ratio is below .75 but not below .50 may be given further trial in the first semester of his second year.

A student who fails to make an average grade ratio of .75 in his second year will be disqualified for further attendance at the University.

Any student thus disqualified may be reinstated only after one year, and only by specific action of the Arts faculty.

Only those students who receive an average grade ratio of .75 or more in the junior and senior years will be eligible for graduation and the Bachelor's Degree.

Excuses. Absence from class, whether on account of illness or otherwise, can be excused only by written permission of the Dean.

A student who misses, in the aggregate, more than three weeks of the work of a semester is not allowed to take the final examinations and must repeat the work of that semester.

Any work which was omitted because of extra holidays must be made up during the semester in which it was omitted.

Transcripts of Records. One copy of a student's scholastic record will be given him after he leaves the University, without charge, if requested within two years. A second transcript or one desired two years or more after leaving the University, will be given only after the receipt of a fee of fifty cents.

SEQUENCES OF COURSES

The following Sequences show the basic requirements for students Majoring in the different Departments and Courses. Subjects included in these Sequences are regularly offered, and represent the studied judgement of the faculty as to what courses are of greatest benefit and as to the order in which they are best studied. Students should not expect that a subject will normally be taught for students of the Lower Division (the first and second years) unless ten or more students elect it; nor for students of the Upper Division (third and fourth years) unless eight or more students elect it.

Pre-Medical Course

First Year		Second Semester	
First Semester	Credit hours	Second Semester	Credit hours
Chinese 1	2	Chinese 2	2
English	4	English	4
Biology 1a	3	Biology 1b	3
Chemistry 3	3	Chemistry 4	5
Physics 1	4	Physics 2	4
Psychology 1	2		
Backgrounds of Civilization 50	2	Backgrounds of Civilization 50	2
Physical Ed. 2 hours		Physical Ed. 2 hours	
Total credit hours	20		20

SEQUENCE OF COURSES

Second Year		Second Semester	
First Semester	credit hours	Second Semester	credit hours
Chinese 3	2	Chinese 4	2
English	4	English	4
Biology 11	4	Biology 18	4
Chemistry 5	6	Chemistry 8	6
Physics 3	4	Physics 4	4
Physical Ed. 2 hours		Physical Ed. 2 hours	
	20		20

The subjects in Pre-Medicine are all required.

Pre-Theological Course

Chinese 3	2	Chinese 4	2
English	4	English	4
Religious Education	2	Religious Education	2
Biology 1a	3	Biology 1b	3
Backgrounds of Civilization 50	2	Backgrounds of Civilization 50	2
Psychology 1	2	Psychology 2	2
Elective	2	Elective	2
Physical Ed. 2 hours		Physical Ed. 2 hours	
	17		17

Natural Science Major Chemistry and Physics

First Year		Second Year	
Chinese 3	2	Chinese 4	2
English	4	English	4
Biology 1a	3	Biology 1b	3
Physics 1	4	Physics 2	4
Education 1	2	Elective	2
Backgrounds of Civilization 50	2	Backgrounds of Civilization 50	2
Physical Ed. 2 hours		Physical Ed. 2 hours	
	17		17
Second Year			
Chinese 5	2	Chinese 6	2
English	4	English	4
Mathematics 1	4	Mathematics 2	4
Chemistry 3	3	Chemistry 4	4
Education 5	4	Elective	2
Physical Ed. 2 hours		Physical Ed. 2 hours	
	17		16

SCHOOL OF ARTS AND SCIENCE

Third Year		Third Year	
First Semester	Second Semester	First Semester	Second Semester
credit hours	credit hours	credit hours	credit hours
Chinese 2	Chinese 2	Chinese 2	Chinese 2
Mathematics 7 4	Major subject 4	Major 4	Major 4
Education 7 4	Minor subject 4	Elective 10	Education 32 2
Major subject 4	Elective 6	Physical Ed. 2 hours 2	Elective 8
Elective 2	Physical Ed. 2 hours 2		
Physical Ed. 2 hours 2			
16	16	16	16
Fourth Year		Fourth Year	
Chinese 2	Chinese 2	Chinese 2	Chinese 2
Major 4	Major 4	Major 4	Major 4
Elective 10	Education 32 2	Elective 10	Education 32 2
Physical Ed. 2 hours 2	Elective 8	Physical Ed. 2 hours 2	Elective 8
16	16	16	16
Natural Science Major			
Biology			
First Year			
Chinese 3 2	Chinese 4 2	Chinese 3 2	Chinese 4 2
English 4	English 4	English 4	English 4
Biology 1a 3	Biology 1b 3	Biology 1a 3	Biology 1b 3
Chemistry 3 3	Chemistry 4 4	Chemistry 3 3	Chemistry 4 4
Education 1 2	Backgrounds of Civilization 50 2	Education 1 2	Backgrounds of Civilization 50 2
Backgrounds of Civilization 50 2	Elective 2	Backgrounds of Civilization 50 2	Elective 2
Physical Ed. 2 hours 2	Physical Ed. 2 hours 2	Physical Ed. 2 hours 2	Physical Ed. 2 hours 2
16	17	16	17
Second Year			
Chinese 5 2	Chinese 6 2	Chinese 5 2	Chinese 6 2
English 4	English 4	English 4	English 4
Biology 4	Biology 4	Biology 4	Biology 4
Education 5 4	Minor 4	Education 5 4	Minor 4
Elect from Math. or History 2	Elect from Math. or History 2	Elect from Math. or History 2	Elect from Math. or History 2
Physical Ed. 2 hours 2	Physical Ed. 2 hours 2	Physical Ed. 2 hours 2	Physical Ed. 2 hours 2
16	16	16	16
Third Year			
Chinese 2	Chinese 2	Chinese 2	Chinese 2
Education 7 4	Biology 4	Education 7 4	Biology 4
Biology 4	Minors and Elective 10	Biology 4	Minors and Elective 10
Minors and Elective 6	Physical Education 2 hours 2	Minors and Elective 6	Physical Education 2 hours 2
Physical Ed. 2 hours 2		Physical Ed. 2 hours 2	
16	16	16	16

SEQUENCE OF COURSES

Fourth Year		Fourth Year	
First Semester	Second Semester	First Semester	Second Semester
credit hours	credit hours	credit hours	credit hours
Chinese 2	Chinese 2	Chinese 2	Chinese 2
Biology 4	Education 32 2	Biology 4	Education 32 2
Elective 10	Major and elective 12	Elective 10	Major and elective 12
Physical Ed. 2 hours 2		Physical Ed. 2 hours 2	
16	16	16	16
Education Major			
First Year			
Chinese 3 2	Chinese 4 2	Chinese 3 2	Chinese 4 2
English 4	English 4	English 4	English 4
Education 1 2	Education 4 3	Education 1 2	Education 4 3
Biology 1a 3	Biology 1b 3	Biology 1a 3	Biology 1b 3
Backgrounds of Civilization 50 2	Backgrounds of Civilization 50 2	Backgrounds of Civilization 50 2	Backgrounds of Civilization 50 2
Elective 3	Elective 2	Elective 3	Elective 2
Physical Ed. 2 hours 2	Physical Ed. 2 hours 2	Physical Ed. 2 hours 2	Physical Ed. 2 hours 2
16	16	16	16
Second Year			
Chinese 5 2	Chinese 6 2	Chinese 5 2	Chinese 6 2
English 4	English 4	English 4	English 4
Education 5 4	Education 6 4	Education 5 4	Education 6 4
History or Sociology 4	History or Sociology 4	History or Sociology 4	History or Sociology 4
Elective 2	Elective 2	Elective 2	Elective 2
Physical Ed. 2 hours 2	Physical Ed. 2 hours 2	Physical Ed. 2 hours 2	Physical Ed. 2 hours 2
16	16	16	16
Third Year			
Chinese 2	Chinese 2	Chinese 2	Chinese 2
Education 7 4	Education 10 4	Education 7 4	Education 10 4
Education 9 4	Education 24, 26, 28, or 30 2 or 4	Education 9 4	Education 24, 26, 28, or 30 2 or 4
Minors and elective 6	Minors and elective 8 or 6	Minors and elective 6	Minors and elective 8 or 6
Physical Ed. 2 hours 2	Physical Ed. 2 hours 2	Physical Ed. 2 hours 2	Physical Ed. 2 hours 2
16	16	16	16
Fourth Year			
Chinese 2	Chinese 2	Chinese 2	Chinese 2
Elective 14	Education 38 or 40 4	Elective 14	Education 38 or 40 4
Physical Ed. 2 hours 2	Elective 10	Physical Ed. 2 hours 2	Elective 10
16	16	16	16

History and Political Science Major

In general the sequence of the courses is indicated by the numbers given to the courses, the lower numbers referring to the more elementary courses and the higher ones to the more advanced work. History courses No. 1 to 10 should be taken during the first two years; the others may be taken during the last two years, with the exception of No. 25 and No. 26 which normally should be taken during the last year.

In Political Science, No. 1 should be taken during the first or second year, while No. 2, No. 3, and No. 4 are open only to Juniors and Seniors.

For the sequence of the basic courses required of all Arts students, see above.

Sociology, Social Service and Economics Majors

All students must begin with Sociology 1. First year students may study courses 1 to 10; second year students, courses 10 to 20; and Upper Division students may study courses of higher numbers.

For the sequence of the basic courses required of all Arts students, see above.

Chinese Major

First Semester		Second Semester	
	credit hours		credit hours
Chinese 3	2	Chinese 4	2
English	4	English	4
Education 1	2		
Backgrounds of Civilization 50	2	Backgrounds of Civilization 50	2
Elective	6	Elective	8
Physical Ed. 2 hours		Physical Ed. 2 hours	
	<u>16</u>		<u>16</u>
Second Year			
Chinese 5	2	Chinese 6	2
English	4	English	4
Education 5	4		
Elective	6	Elective	10
Physical Ed. 2 hours		Physical Ed. 2 hours	
	<u>16</u>		<u>16</u>
Third Year			
Major and elective	12	Major and elective	16
Education 7	4		
Physical Ed. 2 hours		Physical Ed. 2 hours	
	<u>16</u>		<u>16</u>

First Semester		Fourth Year	
	credit hours		credit hours
Major and elective	14	Major and elective	16
Education 27	2		
Physical Ed. 2 hours			
	<u>16</u>		<u>16</u>

Astronomy-Mathematics Major

First Year			
Chinese 3	2	Chinese 4	2
English	4	English	4
Mathematics 1	4	Mathematics 2	4
Elective	2	Elective	4
Education 1	2		
Backgrounds of Civilization 50	2	Backgrounds of Civilization 50	2
Physical Ed. 2 hours		Physical Ed. 2 hours	
	<u>16</u>		<u>16</u>

Second Year			
Chinese 5	2	Chinese 6	2
English	4	English	4
Mathematics 3	4	Mathematics 4	4
Astronomy 1	3	Astronomy 2	3
Education 5	4	Elective	3
Physical Ed. 2 hours		Physical Ed. 2 hours	
	<u>17</u>		<u>16</u>

Third Year			
Chinese	2	Chinese	2
Mathematics 5	3	Mathematics 8	4
Mathematics 7	4	Astronomy 4	3
Education 7	4		
Elective	3	Elective	7
Physical Ed. 2 hours		Physical Ed. 2 hours	
	<u>16</u>		<u>16</u>

Fourth Year			
Chinese	2	Chinese	2
Mathematics 9	3		
Astronomy 5	4	Astronomy 6	4
Elective	7	Education 28	2
Physical Ed. 2 hours		Elective	8
	<u>16</u>		<u>16</u>

SCHOOL OF ARTS AND SCIENCE

DESCRIPTION OF COURSES

The courses offered in the School of Arts and Science are grouped under the following subjects:

Astronomy	Economics	Mathematics
Backgrounds of Civilization	Education	Physics
Biology	English	Political Science
Chemistry	Fine Arts	Psychology
Chinese Literature	History	Religious Instruction
		Sociology

All courses are represented as one semester in length. Courses having odd numbers are offered in the Autumn Semester; those having even numbers are offered in the Spring Semester. In cases where a course may be offered in either semester, alternative numbers are given. The number of semester hours of credit for each course (for definition of credit hour see page 87) is indicated by a figure in parentheses, thus: (4).

ASTRONOMY

(See Mathematics)

BACKGROUNDS OF CIVILIZATION

BACKGROUNDS OF CIVILIZATION 50. A course covering in a general way the history of civilization. It is required of all first year students. (2,2)

BIOLOGY

Arthur Paul Jacot, B. A., Associate Professor, Head of Department.
Ch'in Yao-T'ing, (S. C. U.) Associate Professor.
K'ang Hsing-Wei, B. S., Instructor.

The aim of the courses is two-fold. First, they aim to induce the student to think for himself, acquire self-reliance and develop his initiative, and teach him to think and work systematically—thus preparing him for positions of responsibility and advanced work. Second, they aim to develop in the student a sympathetic understanding of, and feeling for, the life about him. With this point of view the student is better able to understand man's relation to the forms of life about him, and consequently is able intelligently to control his environment.

The course work is arranged to meet three needs: pre-medical, teacher-training, and training for advanced work in biological survey. All students taking work in this department are expected to take the general course on the principles of biology. Pre-medical

students then take courses 11 and 18. Other students may elect courses which best fit their individual needs. The majority of courses are systematic and ecologic.

Laboratory periods are of three hours duration.

BIOLOGY 1a and 1b. General Biology. This course consists of a series of studies on the fundamental principles of life, or those factors which act upon and have built up life forms as they are. Continues throughout the year. (3,3)

(Students who have not had general biology in the middle school will be expected to take an extra hour of lecture work per week).

BIOLOGY 3. Nature Study. This course is for students specializing in education. It includes the material and discusses the type of course which they will teach in the middle schools. Special emphasis is placed on collection and preparation of material and care of vivarium. (3)

Prerequisite: Biology 1.

BIOLOGY 11. Invertebrate Zoology. This course aims to give the student a knowledge of the structure and phylogenic relations of the invertebrate animals. The course consists of studies on increasing complexity of structure, body types, specialization of functions and habits and parasites of economic importance. It is not preeminently a pre-medical course, but a general culture course planned to deepen the student's background and knowledge of the animal kingdom. (4)

Prerequisites: Biology 1, Chemistry 2 and 3.

BIOLOGY 12. General Botany. The first course in botany will be a continuation of middle school botany, studying the physiology, morphology, and histology of the plant body with special emphasis on types and adaptations. (3)

Prerequisites: Biology 1 and 11, and Chemistry 2 and 3.

BIOLOGY 18. Vertebrate Zoology. This course is especially designed for pre-medical students, the laboratory work consisting of dissection and detailed study of types of vertebrate animals as *Amphioxus*, the shark, the frog, the turtle, the bird, and the mammal. The work begins with a study of the embryological development of the chick. (4)

Prerequisite: Biology 11.

The following courses will be conducted in English. For admission to them, students should have completed at least two years of college-grade English. They will be given in rotation through a four year period.

BIOLOGY 22. Systematic Botany. Studies of typical plants representing the more general groups of spermatophytes, including characteristics, phylogenic relationships, and groups of economic importance. Field trips for the purpose of studying the local flora and identification of spring flora. (3)

Prerequisite: Biology 12.

BIOLOGY 24. Non-Marine Algae. Systematic and ecological study of the local flora. Prerequisite: Biology 22. (3)

BIOLOGY 27. Phytogeography. Studies and problems of geographic distribution of groups and species of plants in the Holarctic zone with special reference to groups of economic importance.

Prerequisite: Biology 22. (3)

BIOLOGY 28. Plant Ecology. Studies and problems in relationships of plants to their habitat and to each other, successions, etc., with the application of these principles in agriculture and economic biology. Detailed work on local formations, associations, and communities.

Prerequisite: Biology 27. (3)

BIOLOGY 31. General Entomology. Lectures on the characteristics of orders, sub-orders, life histories, interrelationships, crop and tree pests, and methods of control. Laboratory work includes work on insect anatomy and familiarization with larval forms of pest insects.

Prerequisite: Biology 12. (4)

BIOLOGY 32. Systematic Entomology. A continuation of Biology 31. Lectures on principles of classification and nomenclature, the important families with illustrations from insects of economic importance, adaptations, protective coloration, structures and habits, convergence, ecology and geographical distribution. Laboratory work includes special studies on wing venation, identification of 100 insects, and methods of collecting and preserving.

Prerequisite: Biology 31. (4)

BIOLOGY 33. Systematic Vertebrate Zoology. Our larger friends and neighbors, their phylogenetic characteristics and relationships, life habits, and their relations to man and their environment. Lectures dealing with principles of classification and nomenclature, structural modifications, life histories and habits, protective coloration, structures and habits, adaptations, convergence, reproduction. Laboratory study of the parts employed in classification, and identification of the vertebrate animals of Shantung and North China.

Prerequisite: Biology 12. (4)

BIOLOGY 34. Systematic Invertebrate Zoology. Similar to Biology 33 but restricted to the invertebrate metazoa.

Prerequisite: Biology 12. (4)

BIOLOGY 35. Protista. Similar to Biology 33 but restricted to the protozoa and algae.

Prerequisite: Biology 12. (4)

BIOLOGY 36. Field Zoology. Collection, preservation, and identification of lower vertebrates and land and freshwater invertebrates; habits and life histories of selected examples. Includes Entomotaxy,—methods and technique useful in entomological study.

Prerequisite: Biology 11. (4)

BIOLOGY 37. Faunistic Zoology. Similar to Biology 27, but restricted to the vertebrates.

Prerequisite: Biology 33. (4)

BIOLOGY 38. Paleozoology. The trend of life through time and space, with special reference to the derivation of the fauna of China. Trips to the fossiliferous areas of Shantung and identification of fossils found.

Prerequisites: Biology 33 and 34. (4)

BIOLOGY 39. Advanced Systematic Zoology. Special systematic work on any one group of animals. Hours and credit to be arranged.

BIOLOGY 41 or 42. Ecology. Studies and problems in interrelationships of plants and animals and their environment, with the application of these principles in agriculture and economic biology. Detailed work in adaptation and adjustment, parasitism and predaceousness, formation of associations and communities, etc.

Prerequisites: Biology 22, 32 to 35. Hours and credit to be arranged.

BIOLOGY 43 or 44. Limnology. A study of fresh water life, conducted along the lines of Biology 41, but with special reference to aquiculture.

Prerequisites: Biology 22, 32 to 35. Hours and credit to be arranged.

BIOLOGY 45 or 46. Biogeography. Studies and problems in geographical distribution of groups of plants and animals in the Holarctic zone with special reference to groups of economic importance. Includes the subjects of migration, centers of distribution, climates, land masses and barriers.

Prerequisites: Biology 38 and 41. Hours and credit to be arranged.

BIOLOGY 47. Marine Ecology. Special problems, to be worked out during the summer at Tsingtao or other places along the coast.

Prerequisite: Biology 41. Summer Course.

CHEMISTRY.

William Henry Adolph, Ph. D., Professor, Head of Department.
Dzang Hwei-Chuen, Assistant Professor
Kao Chang-Keng, B. S.
Ts'ui Yung-Fu

The courses in chemistry are arranged for pre-medical students and for the training of college and middle school teachers of science. The attempt is made to train the student in the use of the laboratory method rather than to give him a knowledge of chemical technology. The laboratories occupy the ground floor of Bergen Hall and are equipped to fill these needs. Special advanced work, not indicated in the following courses, is provided for individual students who desire to specialize in analytical and physical chemistry. College graduates may be admitted for special research work.

CHEMISTRY 1. Air, Water, and Food. A popular study of the applications of chemistry to every-day life. Lectures, demonstrations, with no laboratory work; assigned readings, reports on current scientific problems of home and community. For non-science students.

Textbook—Bailey: Sanitary and Applied Chemistry. (2)

CHEMISTRY 3. General Inorganic Chemistry. Fundamental conceptions of chemistry; laboratory work accompanied by class conferences, developing the ideas of equilibrium, dissociation, solutions, etc.; type study of the non-metals; constant use of the quantitative method. (3)

Prerequisite—Entrance Chemistry.

Textbook—Tsao and Adolph: 近世無機化學.

Adolph and Dzang: 無機化學實驗教科書.

CHEMISTRY 3a. General Inorganic Chemistry. For students who do not have entrance credit in chemistry. (5)

CHEMISTRY 4. General Inorganic Chemistry. E. M. F. series; colloids; study of important groups of the metals. The latter part of the course is devoted to qualitative analysis, with methods of separation, accompanied by class conferences, developing the theory of reaction, and solutions. (5)

Prerequisite:—Chemistry 3.

Textbooks—Tsao and Adolph: **近世無機化學.**

Adolph and Dzang: **無機化學實驗教科書.**

Noyes: **Qualitative Chemical Analysis.**

CHEMISTRY 5. Quantitative Analysis. This is a course developing the concepts of modern physical chemistry, with quantitative measurements in the laboratory. The viewpoint of the kinetic theory is emphasized; a thorough study of solutions and equilibrium, drill in representative gravimetric and volumetric procedures, the theory of indicators, a study of hydrogen ion measurement, are included. (6)

Prerequisite: Chemistry 4.

Textbooks—Chapin: **Second Year College Chemistry.**

Chapin: **Exercises in Second Year Chemistry.**

Talbot: **Quantitative Chemical Analysis.**

CHEMISTRY 7. Quantitative Analysis. Review of practical problems in qualitative analysis. Advanced quantitative methods; analysis of alloys and minerals; electro-analysis; application of physical chemistry methods to precision analysis. (4)

Prerequisite: Chemistry 5.

Textbook—Talbot: **Quantitative Chemical Analysis.**

CHEMISTRY 8. Organic Chemistry. Elementary course; a survey of the more important compounds of the aliphatic series, with a briefer treatment of the aromatic compounds; laboratory study of type organic reactions, with principles of qualitative organic analysis. (6)

Prerequisite: Chemistry 5.

Textbooks—Cohen: **Theoretical Organic Chemistry.**

Fisher-Payne: **有機化學實驗教科書.**

CHEMISTRY 9. Organic Chemistry. Laboratory preparation of some of the more complex organic compounds; a survey of those groups of compounds which have application in the industries; emphasis on dyes and dyestuffs. (4)

CHEMISTRY 10. Applied Chemistry. A study of the industries of Shantung, and the application of scientific methods to industry. Laboratory examination of fuels, oils, and commercial products; water analysis; analysis of ores. Reports, and visits to industrial plants. (4)

Prerequisites: Chemistry 5 and 8.

CHEMISTRY 11. Physical Chemistry. A study of theoretical principles and practice in the methods of physical chemistry; solutions; phase rule, thermo-chemistry, polarimetry, electro-chemistry, conductivity. (4)

Prerequisites: Chemistry 7 and 8.

CHEMISTRY 12. Foods and Nutrition. Study of the principles of nutrition and metabolism; food analysis; elements of bio-chemistry. (4)

Prerequisites: Chemistry 5 and 8.

Textbook—Sherman: **Chemistry of Food and Nutrition.**

CHINESE LITERATURE AND PHILOSOPHY

Chou Kan-T'ing, Associate Professor, Head of the Department.
Luan T'iao-Fu, Instructor.
Wang Yun-Chu.

Students in the School of Arts and Science are required to study 16 semester hours of Chinese. In addition, students of the first two years are required to take each semester a course in essay writing, the hours of which are arranged.

CHINESE 1 and 2. Selections from Ancient and Modern Essays, 古今文選. The course is required of first year students in Pre-Medicine. (2,2)

CHINESE 3 and 4. Practical Letter-Writing, 實用文. Social letters, business letters, preparation of documents, etc. The course is required of second year students in Pre-Medicine, and of first year students in Arts and Science. (2,2)

CHINESE 5 and 6. The Philosophy of Mo-Tzu, 墨子. The course is required of students in the second year in Arts and Science. (2,2)

Courses 7 to 20 are intended for students in the second and third years in Arts and Science. They are not given every year, but only as a sufficient number of students elect them.

CHINESE 7. The Philosophy of Confucius, 孔子哲學. (2)

CHINESE 8. The History of Ancient Philosophy, 中國上古哲學史. (2)

CHINESE 9. Methods of studying Literature, 文學研究法. (2)

CHINESE 10. A Study of Confucian Analects, 論語研究. (2)

CHINESE 11. Ancient Poetry, 古詩. (2)

CHINESE 12. A Study of the Ballads of the Sung Dynasty, 宋詞研究. (2)

CHINESE 13. A Study of the Dramas of the Yuan Dynasty, 元曲研究. (2)

CHINESE 14. A Study of Couplets, 駢體文. (2)

CHINESE 15. A Study of Chinese Characters, 文字學. (3)

CHINESE 16. The Philosophy of Chuang-Tzu, 莊子. (2)

CHINESE 17. The History of Chinese Classics, 經學歷史. (2)

CHINESE 18. A New Commentary on Confucian Analects, 論語新語. (2)

CHINESE 19. The Teaching of Chinese in Middle Schools. See Education 27. (2)

CHINESE 20. The History of Literature, 文學史. (2)

Courses 28 to 34 are intended for students in the fourth year. They are not given every year, but only when a sufficient number of students elect them.

CHINESE 28. The Poems of the Han Dynasty, 漢賦. (2)

CHINESE 29. The Poems of the Kingdom of Chu, 楚辭. (2)

CHINESE 30. A Study of the Book of Poetry, 詩經. (2)

CHINESE 31. A Study of Tso-Chuan, 左傳. (2)

CHINESE 32. A Study of the Canon of History, 書經. (2)

CHINESE 33. A New Commentary on Meng Tzu, 孟子新語. (2)

CHINESE 34. The Book of Rites, 儀禮. (2)

EDUCATION

Li Tien-Lu, M. A., Ph. D.,	Professor, Acting Head of Department.
Harold Frederick Smith, B. A., M. A.,	Associate Professor.
Frederick Seguir Drake, B. A., B. D.,	Associate Professor.
Bettice Alston Garside, B. A., M. A.,	Associate Professor.
Ch'eng Ch'i-Pao, B. S., M. A., Ph. D.	
Ts'ui Hung-Chai,	Assistant Instructor

The courses in education are offered primarily to meet the needs of the high percentage of students planning to teach in middle schools. Courses 1, 5, 7, and one of courses 26 to 32, are required of all students in the Arts and Science Courses in fulfillment of the minor in education. Twenty-four semester hours of credit in education are required of candidates for a certificate as teacher in middle schools. These should include Education 1, 5, 6, 7, and 9. Courses leading to a certificate in administration and supervision are offered to advanced students in education; and courses leading to a certificate as teacher in elementary schools will be offered when there is a demand for them. Practice teaching and the observation and participation in connection with the methods courses are carried on in the University Middle School and in the Ch'ung Teh Elementary School. Courses 1, 4, 5, 6, 7, 9, 19, and 24 are given regularly; courses 26 to 40 are given in alternate years; and courses 48 to 52 are given in cooperation with the faculty of the School of Theology. The other courses are offered from time to time as desired.

EDUCATION 1. Introduction to Teaching. A general orienting course required of all freshmen. The meaning of education, objectives, the social point of view, introduction to the learning process, the child, the teacher, types and levels of teaching, the school system. The course is given in Chinese. A reading knowledge of English is desirable but not required. (2)

EDUCATION 4. School Hygiene. Play and playgrounds; buildings; light; seating; heat; ventilation; sanitation; community hygiene; physical and mental habits; health clubs; physical defects; the hygiene of instruction. The course is given in Chinese. (3)

EDUCATION 5. Educational Psychology. The learning process. This course attempts to analyze the fundamental conceptions and facts relative to the learning process and to show the significance of the various mental functions of human beings. (4)

EDUCATION 6. Educational Psychology. Psychology of learning. This course treats of the Laws of Learning, economy of learning, transference of training, influence of work upon efficiency, etc. Education 6 is a continuation of Education 5, but may be taken separately. The courses are given in Chinese, but a reading knowledge of English is desirable. (4)

EDUCATION 7. Teaching in Middle Schools. Introductory; development and scope. The students,—a brief study of their special characteristics and problems. The curriculum,—an investigation of the curricula now in use, a discussion of how and where they should be improved, and a study of how best to use them. Teaching methods,—a brief discussion of method in its application to the middle school. Discipline,—a study of the ends sought, and of the best methods of attaining them. Extra-curricular activities,—their part in school life, and the teacher's share in them. The course is given in Chinese. (4)

EDUCATION 9. Observation, Participation, and Practice Teaching. The course consists of carefully graded and supervised observation of teaching, participation in the work of the class-room, and practice teaching, together with a study of the technique of teaching. Each student will meet daily with his supervisor for the discussion of his work. Open only to junior and senior students. The course is given in Chinese. (4)

EDUCATION 10. Practice Teaching. A continuation of Education 9, in the following semester. (4)

EDUCATION 11. Child Psychology. This course is designed to present the facts concerning the nature and development of the mind during childhood, especially with reference to the meaning of these facts to the teacher. (4)

EDUCATION 13 or 14. Elementary Education. The problems of elementary education, the curriculum, the project method, socializing school life, discipline, etc. (3)

EDUCATION 18. Rural Community Problems. A study of the religious, social, and economic conditions in rural life in China. See courses of School of Theology. (3)

EDUCATION 19. The Rural School. Problems and methods; the leadership of the teacher; community life, national and provincial agencies to be relied upon. The course is given in Chinese, but a reading knowledge of English is desirable. (3)

EDUCATION 22. Educational Sociology. The place of education in the progress of society. (4)

EDUCATION 24. Educational Measurements. The place of measurement in education; classification and construction of tests; instructions for and application of tests; scoring; conserving results. A limited amount of practical work in the administration, scoring, and interpretation of tests will be required. Education 1 and 5 are prerequisites for this course. Instruction is given in Chinese and English. (4)

EDUCATION 26. The Teaching of History. A brief survey of the development of school instruction in history, and an appraisal of existing systems of history teaching; aims and values; principles and practices in constructing a course; difficulties and methods; the use of maps, charts, pictures, and source materials; texts and literature. (2)

EDUCATION 27. The Teaching of Chinese. A review of the subject matter available and a study of various methods of teaching. The course is given in Chinese. It is offered in alternate years—next being given in 1928. (2)

EDUCATION 28. The Teaching of Mathematics. The meaning of the teaching of mathematics; a review of subject matter; mathematics as the foundation for science study; mathematics and daily life,—mental stimulation, accuracy of thought, stimulus to student initiative and independence, and an exposition of the teacher's part in securing these values. The aim of mathematics; subject matter; sequence of courses and topics and their limits; correlated mathematics compared with distinct courses in mathematics; methods in mental and written mathematics; methods in algebra, geometry, and trigonometry; theoretical and practical mathematical problems; short methods; graphs; practical applications; use of tables; use of mathematical instruments; collateral study; a history of mathematics. The course is given in Chinese. It is given in alternate years, being next given in 1929. (3)

EDUCATION

Li Tien-Lu, M. A., Ph. D.,	Professor, Acting Head of Department.
Harold Frederick Smith, B. A., M. A.,	Associate Professor.
Frederick Seguir Drake, B. A., B. D.,	Associate Professor.
Bettice Alston Garside, B. A., M. A.,	Associate Professor.
Ch'eng Ch'i-Pao, B. S., M. A., Ph. D.	
Ts'ui Hung-Chai,	Assistant Instructor

The courses in education are offered primarily to meet the needs of the high percentage of students planning to teach in middle schools. Courses 1, 5, 7, and one of courses 26 to 32, are required of all students in the Arts and Science Courses in fulfillment of the minor in education. Twenty-four semester hours of credit in education are required of candidates for a certificate as teacher in middle schools. These should include Education 1, 5, 6, 7, and 9. Courses leading to a certificate in administration and supervision are offered to advanced students in education; and courses leading to a certificate as teacher in elementary schools will be offered when there is a demand for them. Practice teaching and the observation and participation in connection with the methods courses are carried on in the University Middle School and in the Ch'ung Teh Elementary School. Courses 1, 4, 5, 6, 7, 9, 19, and 24 are given regularly; courses 26 to 40 are given in alternate years; and courses 48 to 52 are given in cooperation with the faculty of the School of Theology. The other courses are offered from time to time as desired.

EDUCATION 1. Introduction to Teaching. A general orienting course required of all freshmen. The meaning of education, objectives, the social point of view, introduction to the learning process, the child, the teacher, types and levels of teaching, the school system. The course is given in Chinese. A reading knowledge of English is desirable but not required. (2)

EDUCATION 4. School Hygiene. Play and playgrounds; buildings; light; seating; heat; ventilation; sanitation; community hygiene; physical and mental habits; health clubs; physical defects; the hygiene of instruction. The course is given in Chinese. (3)

EDUCATION 5. Educational Psychology. The learning process. This course attempts to analyze the fundamental conceptions and facts relative to the learning process and to show the significance of the various mental functions of human beings. (4)

EDUCATION 6. Educational Psychology. Psychology of learning. This course treats of the Laws of Learning, economy of learning, transference of training, influence of work upon efficiency, etc. Education 6 is a continuation of Education 5, but may be taken separately. The courses are given in Chinese, but a reading knowledge of English is desirable. (4)

EDUCATION 7. Teaching in Middle Schools. Introductory; development and scope. The students,—a brief study of their special characteristics and problems. The curriculum,—an investigation of the curricula now in use, a discussion of how and where they should be improved, and a study of how best to use them. Teaching methods,—a brief discussion of method in its application to the middle school. Discipline,—a study of the ends sought, and of the best methods of attaining them. Extra-curricular activities,—their part in school life, and the teacher's share in them. The course is given in Chinese. (4)

EDUCATION 9. Observation, Participation, and Practice Teaching. The course consists of carefully graded and supervised observation of teaching, participation in the work of the class-room, and practice teaching, together with a study of the technique of teaching. Each student will meet daily with his supervisor for the discussion of his work. Open only to junior and senior students. The course is given in Chinese. (4)

EDUCATION 10. Practice Teaching. A continuation of Education 9, in the following semester. (4)

EDUCATION 11. Child Psychology. This course is designed to present the facts concerning the nature and development of the mind during childhood, especially with reference to the meaning of these facts to the teacher. (4)

EDUCATION 13 or 14. Elementary Education. The problems of elementary education, the curriculum, the project method, socializing school life, discipline, etc. (3)

EDUCATION 18. Rural Community Problems. A study of the religious, social, and economic conditions in rural life in China. See courses of School of Theology. (3)

EDUCATION 19. The Rural School. Problems and methods; the leadership of the teacher; community life, national and provincial agencies to be relied upon. The course is given in Chinese, but a reading knowledge of English is desirable. (3)

EDUCATION 22. Educational Sociology. The place of education in the progress of society. (4)

EDUCATION 24. Educational Measurements. The place of measurement in education; classification and construction of tests; instructions for and application of tests; scoring; conserving results. A limited amount of practical work in the administration, scoring, and interpretation of tests will be required. Education 1 and 5 are prerequisites for this course. Instruction is given in Chinese and English. (4)

EDUCATION 26. The Teaching of History. A brief survey of the development of school instruction in history, and an appraisal of existing systems of history teaching; aims and values; principles and practices in constructing a course; difficulties and methods; the use of maps, charts, pictures, and source materials; texts and literature. (2)

EDUCATION 27. The Teaching of Chinese. A review of the subject matter available and a study of various methods of teaching. The course is given in Chinese. It is offered in alternate years—next being given in 1928. (2)

EDUCATION 28. The Teaching of Mathematics. The meaning of the teaching of mathematics; a review of subject matter; mathematics as the foundation for science study; mathematics and daily life,—mental stimulation, accuracy of thought, stimulus to student initiative and independence, and an exposition of the teacher's part in securing these values. The aim of mathematics; subject matter; sequence of courses and topics and their limits; correlated mathematics compared with distinct courses in mathematics; methods in mental and written mathematics; methods in algebra, geometry, and trigonometry; theoretical and practical mathematical problems; short methods; graphs; practical applications; use of tables; use of mathematical instruments; collateral study; a history of mathematics. The course is given in Chinese. It is given in alternate years, being next given in 1929. (3)

EDUCATION 29. The Teaching of English. The development of aims and practices in teaching English; the psychology and principles of language study; phonetics; a review of subject matter; characteristic difficulties of Chinese students; texts; tests; the construction of a course. The course is given in English. It is given in alternate years, next being given in 1929. (3)

EDUCATION 30. The Teaching of Geography. In this course, in that geography is not taught separately in the University, it is necessary to give a certain amount of content as well as of method. Hence the course will have for its first aim the formation of the fundamental conceptions of physical, economic and human geography. The chief phenomena will be illustrated by detailed study of regions, and there will be an attempt to give the students practice in first-hand geography, by practical surveys in the home region. Emphasis will be laid upon such practical work as mapping and recording of weather observations. The course will close with a discussion of the methods of teaching geography in primary and middle schools. (5)

EDUCATION 32. The Teaching of Science. A history of the development of science and science teaching, its aims and practices; the scientific attitude; the influence of science on human progress; the psychology of science study; a review of subject matter; the construction of courses in General Science, Biology, Physics, and Chemistry,—their relation to each other and to other courses; laboratories, equipment and methods; characteristic difficulties; texts; literature, sources of materials. The course is offered in alternate years,—next offered in 1930. (2)

EDUCATION 33 and 34. The Teaching of Music. See Music 5 and 6. (2,2)

EDUCATION 35 and 36. The Teaching of Drawing. See Drawing 1 and 2. (2,2)

EDUCATION 38. The Principles of Education. An integrating course bringing together the details of theory and practice, and leaving the student with a unified body of educational doctrine. The definition of education; objectives; the nature of subject matter; the individual and society; educational values; formal discipline; liberal and vocational education. The course is given in English and Chinese. It is open to advanced students only. This course alternates with Education 40. It is next given in 1930. (4)

EDUCATION 40. The History of Education. A brief survey of education from the earliest times to the 18th century; education from the 18th century to the present; nationalism and democracy in education. The Chinese educational situation. Open only to advanced students. The course is given in Chinese. It alternates with Education 38—being given next in 1929. (4)

EDUCATION 41. The Administration and Supervision of Middle Schools. The course of study; the daily program; the opening days; registration; records,—student and financial; selection of text books; classification of students; persistence in school; discipline; improvement of instruction; teachers' meetings; classroom supervision; intellectual and moral tone of the school; extra-curricular duties,—athletics, the assembly hall, dormitories, social functions, relations to the community; standards; making the most of equipment and supplies. A reading knowledge of English is required. (4)

EDUCATION 48. Principles of Religious Education. A general view of the principles of Religious Education, covering the purpose and the psychological background. Based on Coe's "A Social Theory of Religious Education", and "Education in Religion and Morals". (3)

EDUCATION 49. The Psychology of Adolescence, as Related to Religious Life. A study of the psychology of "the teen age" and its moral and religious problems, and of the best methods for guiding students during this critical period. (2)

EDUCATION 50. Problems of Adolescent Girls. Especially adapted to China. Education 43 is a prerequisite. Based in part on Moxcey's "Girlhood and Character", and "Leadership in Girls' Activities". (2)

EDUCATION 51. Religious Education in Middle Schools. The course also deals with the religious education of adolescents in Sunday Schools and Week-day Church Schools. The topics include the aims of religious education in middle schools, subject matter or curriculum, and a study of methods not only for classroom work but also for expressional activities. Prerequisites: Education 42 and 43. (2)

EDUCATION 52. Religious Education in Middle Schools. Continuation of Education 45. Definite subjects in the middle school curriculum of religious education, combining lectures with supervised teaching in a middle school, Sunday School, or Week-day Church School, and expressional activities or projects where the work of adolescents is shared by students taking this course. (2)

EDUCATION 62. The Philosophy of Education. A general introductory course. (3)

ECONOMICS

(See Sociology)

ENGLISH

Francis Stevenson Hutchins, B. A., Acting Head of Department.
Dwight Condo Baker, B. L., M. A., Ph. D., Associate Professor.
Majorie Rankin, B. A.
Sun T'ien Hsi,
Ch'in Yu, B. Sc., M. A.

The student on matriculation is presumed to have had six years of English in the middle school. The entrance standard is a "T" score of fifty-six in the various tests given. The courses are planned to increase the student's facility in the use of oral and written English, in the use of English reference books, and to make him acquainted with some of the more important works of English literature.

Each student is required to complete sixteen semester hours of work in the English department. Entering students who do not come up to the standard of a "T" score of 56 must take English in the University Middle School without college credit. Students may receive advanced standing according to their ability, and the requirement of sixteen semester hours be waived in part or in whole.

ENGLISH C. This class uses as a text Graybill's Writing English Part I. Reading will also be required. Frequent written work is required. This class is designed for freshmen whose standard is such that they cannot use English with ease. Five hours recitation. First semester. (4)

ENGLISH D. This class is a continuation of English C. Five hours recitation. Second semester. (4)

ENGLISH 1. This class is similar to class C and is also designed for underclassmen. The student is expected to have completed English C and D, or to have an equivalent standard. The work is largely drill, an abundance of practice with oral and written forms. (4)

ENGLISH 2. This class is a continuation of English 1, in the second semester. (4)

ENGLISH 11. Using Huizanga's "World's Best Short Stories" as a text, this class will do a great deal of written work. Emphasis is placed on the correct use of English idioms both in speech and writing. (4)

ENGLISH 12. This class, while a continuation of course 11, will include much more and wider reading. Throughout, clear, simple, idiomatic English will be insisted upon. (4)

ENGLISH 13. This class is designed for those who have completed the elementary English and who desire to go on with more difficult work. One of the standard works of English literature will be used as a text. (3)

ENGLISH 14. This class is a continuation of class 13. (3)

FINE ARTS

1. Music

Joseph Walter Hunter, Associate Professor of Fine Arts.

MUSIC 1 and 2. University Choir. Two hours a week of practice, besides daily attendance at the Chapel and Church Services. (1,1)

MUSIC 3 and 4. Piano. Instruction, and the use of a piano. (1,1)

A special fee of \$15. per semester is made for this course.

MUSIC 5 and 6. The Teaching of Music. A course in the teaching of school singing, consisting of class work and of practice teaching in the University middle and elementary schools. It is intended to fit students to lead singing and to teach simple part songs. See Education 33 and 34. (2,2)

2. Drawing

DRAWING 1 and 2. The Teaching of Drawing. This course consists of class work and of practice teaching in the University middle and elementary schools. See Education 35 and 36. (2,2)

HISTORY AND POLITICAL SCIENCE

John J. Heeren, M. A., Ph. D., Professor, Head of Department.
Chang Li-Chih, Assistant Professor.

1. History

HISTORY 1. History of Western Europe from 476 to 1648. The aim of this course is to give the student the essentials of European history from the fall of the Western Empire to the end of the religious wars. Special emphasis is placed upon those movements and institutions which had an appreciable influence upon the modern world. (4)

HISTORY 2. History of Modern Europe. The history of Europe is traced from the end of the religious wars to the present day. Emphasis is placed upon the important social, industrial, religious and political movements and upon the changes that have shaped the Europe of to-day. Towards the end of the course special emphasis is placed upon the causes and issues of the Great War together with the resulting problems of reconstruction. Map work and reports are required. (4)

Prerequisite: History 1, or its equivalent.

HISTORY 3. English History. To give a general view of English history is the aim of this course. Besides tracing the outlines of political and constitutional development, it gives the student a brief survey of social and industrial evolution as well as of colonial expansion. (4)

Prerequisite: a working knowledge of the English language.

HISTORY 4. United States History. This is a general course in the history of the United States. After a brief outline of European beginnings the course aims to trace the main features of the social, economic, political and constitutional development. Reports and map work will be required. (4)

Prerequisite: History 3.

HISTORY 5. Chinese History I. This is a rapid survey in the ancient history of China from the earliest times to the beginning of the Tsin dynasty. Special emphasis is placed upon the development of Chinese social and political institutions and the progress of Chinese thought. Reports, reference reading and map work are a part of the work of the course. (2)

HISTORY 6. Chinese History II. Course II traces the main features of the educational, social and political development from the beginning of the Tsin dynasty to the coming of the European traders in 1517. Special emphasis is placed upon the introduction of Buddhism during the Han dynasty and intercourse with the Occident during the Yuan dynasty. Reports, reference readings and map work are required. (4)

Prerequisite: History 5.

HISTORY 7. Chinese History III. This is a course in modern Chinese history from 1517 to the present day. The emphasis is placed upon the religious, educational, political and diplomatic changes and development so as to lead the student to a better understanding of China's present condition and problems. Lectures, reports, reference reading and map work constitute the main features of the course. (4)

HISTORY 9 and 10. Essentials of Political and Economic Geography. This course aims to give to the students of the department the essentials of political and economic geography so as to enable them to pursue their history courses with profit and efficiency. This is a two-hour course extending throughout the year, the autumn term dealing with the Eastern Hemisphere and the spring term with the Western Hemisphere. (2,2)

HISTORY 12. Geographical Factors in History.

An attempt is made in this course to give the students some idea of the influence of geography upon world history. The desert, the sea, the ocean, the plain, the forest and other geographical factors are discussed in the light of their bearing upon human history. (2)

HISTORY 21 or 22. History of the Far East. This is a general survey of the outstanding social, industrial and political changes in China, Siberia, Korea, the Philippine Islands, India and Japan from the time of the opening of Japan to the present day. Reports, reference reading and map work are required of students taking this course. (4)

HISTORY 23 or 24. World History from 1815 to 1928. Beginning with the Industrial and the French Revolutions the student traces the efforts to suppress revolutionary tendencies, the old and the new colonial policies, the struggle against the fourth estate and the economic imperialism ending in the Great War. The latter part of the course treats somewhat in detail the problems of reconstruction and the various movements and organizations working for world federation. Open only to mature students who can read English readily. (4)

HISTORY 25. Historical Seminar. One hour a week will be spent in a detailed study of documentary source material in some field of Chinese history. The main aim is to acquaint advanced students with the methods of historical research. (2)

HISTORY 26. The Teaching of History. See Educational Courses.

HISTORY 30 or 31. Early Man and his Tools. The aim is to give the main facts of early man and his tools by means of lectures, lantern slides and historical models. The work is done in Chinese and is open to any student in the University. (1)

HISTORY 32 or 33. China's Treaties with the West. In this course the student is given a brief but comprehensive survey of the main treaties between China and the Western powers from 1842 to the present day. The work is done in Chinese and is open to any student in the University. (1)

2. Political Science

POLITICAL SCIENCE 1. Chinese Government. This is an analysis of the organization, methods of work, and functions of the Chinese government, both central and local, with special emphasis upon the constitutional development under the Republic. The approach, however, is practical rather than theoretical. (4)

POLITICAL SCIENCE 2. Introduction to Political Science. The course deals with the origin and development of the state, the nature of the state, sovereignty, political theory and the structure and functions of government. (4)

Prerequisites: History 1 and 2.

POLITICAL SCIENCE 3. Comparative Constitutional Government. An attempt is made to compare the constitutional development of England, the United States, Switzerland, France and modern China. The aim is to train the student to compare critically the evolution and the value of China's constitution with those of the constitutions of the leading democracies. (4)

Prerequisites: History 1, 2, 3 and 4.

POLITICAL SCIENCE 4. International Law. This course deals with the origin, development, principles, and problems of international law, with special emphasis upon China's international relations.

Prerequisites: History 1, 2, and 7; and Political Science 1. (4)

MATHEMATICS AND ASTRONOMY

Wang Hsi-En, (S. C. U.), Professor, and Head of Department.
T'ien Hsi-Ching, (S. C. U.), Associate Professor.

1. Astronomy

ASTRONOMY 1. Descriptive Astronomy. The earth; astronomical instruments and their adjustment; the orbit of the sun, the sun, the moon, tides, eclipses of the sun and moon; solar system, planets, meteors. (3)

ASTRONOMY 2. Descriptive Astronomy. Continuation of Astronomy 1. (3)

ASTRONOMY 4. Meteorology. (2)

ASTRONOMY 5. Applied Astronomy. The use and correction of the equatorial instrument, transit, zenith telescope, sextant; calculation of right ascension, declination, latitude and the azimuth of a star, mean solar time, sidereal time, latitude; use of the almanac; calculation of the eclipses of the sun and moon. (4)

ASTRONOMY 6. Applied Astronomy. Continuation of Astronomy 5. (4)

2. Mathematics

MATHEMATICS 1. Analytical Geometry. Loci and their equations, the straight line, circle, different systems of co-ordinates, parabola, ellipse, hyperbola, loci of the second order, higher plane curves, the point in space, the straight line in space, surfaces of revolution, and transformation of co-ordinates. (4)

MATHEMATICS 2. Analytical Geometry. Continuation of Mathematics 1. (4)

MATHEMATICS 3. Surveying. The use of the tape, compass, transit, and level; land surveying; leveling; triangulations; railroads; and river surveying. (4)

MATHEMATICS 4. Advanced Algebra. Ratio and proportion, variation, permutations and combinations, continued fractions, indeterminate equations, arithmetical series, geometrical series, logarithms, theory of equations, higher numerical equations. (4)

MATHEMATICS 5. Spherical Trigonometry. The right spherical triangles, and the applications of spherical trigonometry. (3)

MATHEMATICS 7. Differential Calculus. Functions, differential coefficient, differentiation, successive differentiation, implicit functions, expansion of functions, indeterminate forms, partial differentiation, certain curves, direction of curves, tangent and normal points of inflection, curvature, evolute and involute, osculation circle, envelopes, maxima and minima. (4)

MATHEMATICS 8. Integral Calculus. Elementary forms of integration, integration by substitution, integration by parts, integration by successive reduction, integration of the trigonometric functions, successive integration, applications of integral calculus. (4)

MATHEMATICS 9. Applied Calculus. (3)

HISTORY 21 or 22. History of the Far East. This is a general survey of the outstanding social, industrial and political changes in China, Siberia, Korea, the Philippine Islands, India and Japan from the time of the opening of Japan to the present day. Reports, reference reading and map work are required of students taking this course. (4)

HISTORY 23 or 24. World History from 1815 to 1928. Beginning with the Industrial and the French Revolutions the student traces the efforts to suppress revolutionary tendencies, the old and the new colonial policies, the struggle against the fourth estate and the economic imperialism ending in the Great War. The latter part of the course treats somewhat in detail the problems of reconstruction and the various movements and organizations working for world federation. Open only to mature students who can read English readily. (4)

HISTORY 25. Historical Seminar. One hour a week will be spent in a detailed study of documentary source material in some field of Chinese history. The main aim is to acquaint advanced students with the methods of historical research. (2)

HISTORY 26. The Teaching of History. See Educational Courses.

HISTORY 30 or 31. Early Man and his Tools. The aim is to give the main facts of early man and his tools by means of lectures, lantern slides and historical models. The work is done in Chinese and is open to any student in the University. (1)

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2. Political Science

POLITICAL SCIENCE 1. Chinese Government. This is an analysis of the organization, methods of work, and functions of the Chinese government, both central and local, with special emphasis upon the constitutional development under the Republic. The approach, however, is practical rather than theoretical. (4)

POLITICAL SCIENCE 2. Introduction to Political Science. The course deals with the origin and development of the state, the nature of the state, sovereignty, political theory and the structure and functions of government. (4)

Prerequisites: History 1 and 2.

POLITICAL SCIENCE 3. Comparative Constitutional Government. An attempt is made to compare the constitutional development of England, the United States, Switzerland, France and modern China. The aim is to train the student to compare critically the evolution and the value of China's constitution with those of the constitutions of the leading democracies. (4)

Prerequisites: History 1, 2, 3 and 4.

POLITICAL SCIENCE 4. International Law. This course deals with the origin, development, principles, and problems of international law, with special emphasis upon China's international relations.

Prerequisites: History 1, 2, and 7; and Political Science 1. (4)

MATHEMATICS AND ASTRONOMY

Wang Hsi-En, (S. C. U.),

Professor, and Head of Department.

T'ien Hsi-Ching, (S. C. U.),

Associate Professor.

1. Astronomy

ASTRONOMY 1. Descriptive Astronomy. The earth; astronomical instruments and their adjustment; the orbit of the sun, the moon, tides, eclipses of the sun and moon; solar system, planets, meteors. (3)

ASTRONOMY 2. Descriptive Astronomy. Continuation of Astronomy 1. (3)

ASTRONOMY 4. Meteorology. (2)

ASTRONOMY 5. Applied Astronomy. The use and correction of the equatorial instrument, transit, zenith telescope, sextant; calculation of right ascension, declination, latitude and the azimuth of a star, mean solar time, sidereal time, latitude; use of the almanac; calculation of the eclipses of the sun and moon. (4)

ASTRONOMY 6. Applied Astronomy. Continuation of Astronomy 5. (4)

2. Mathematics

MATHEMATICS 1. Analytical Geometry. Loci and their equations, the straight line, circle, different systems of co-ordinates, parabola, ellipse, hyperbola, loci of the second order, higher plane curves, the point in space, the straight line in space, surfaces of revolution, and transformation of co-ordinates. (4)

MATHEMATICS 2. Analytical Geometry. Continuation of Mathematics 1. (4)

MATHEMATICS 3. Surveying. The use of the tape, compass, transit, and level; land surveying; leveling; triangulations; railroads; and river surveying. (4)

MATHEMATICS 4. Advanced Algebra. Ratio and proportion, variation, permutations and combinations, continued fractions, indeterminate equations, arithmetical series, geometrical series, logarithms, theory of equations, higher numerical equations. (4)

MATHEMATICS 5. Spherical Trigonometry. The right spherical triangles, and the applications of spherical trigonometry. (3)

MATHEMATICS 7. Differential Calculus. Functions, differential coefficient, differentiation, successive differentiation, implicit functions, expansion of functions, indeterminate forms, partial differentiation, certain curves, direction of curves, tangent and normal points of inflection, curvature, evolute and involute, osculation circle, envelopes, maxima and minima. (4)

MATHEMATICS 8. Integral Calculus. Elementary forms of integration, integration by substitution, integration by parts, integration by successive reduction, integration of the trigonometric functions, successive integration, applications of integral calculus. (4)

MATHEMATICS 9. Applied Calculus. (3)

PHYSICS

Harold Wilson Harkness, B. A., B. S., Professor, Head of Department.
 Chang, David Cheng, B. Sc., M. Sc.,
 Wang Ping-Hsiao, (S. C. U.), Instructor.

In the courses as shown below the students will spend two periods of two hours each per week in the laboratory. One period of one hour per week is given to class instruction and discussion of laboratory work.

PHYSICS 1. Mechanics. Equilibrium of a particle and a rigid body, motion of a particle and a rigid body, work, energy, laws of impact, elasticity and S. H. M. (4)

PHYSICS 2. Properties of Matter and Heat. The gas laws, density of solids, liquids, gases and vapours, measurement of temperature, hygrometry, calorimetry, viscosity, change of state and radiation. (4)

PHYSICS 3. Electricity and Magnetism. Elementary discussion of the electro-magnetic field. Electric currents, P. D., resistance, temperature coeff. of resistance, capacity, e. m. f., electro-magnetic induction, electrolytic conduction, radio-activity, thermo-electromotive force, magnetic induction, thermionic emission, electric machines. (4)

PHYSICS 4. Optics and Sound. Elementary geometric optics covering the laws of reflection, refraction, and formation of images by lenses and mirrors with applications to optical instruments. Physical optics covering reflection, refraction, diffraction, polarization, dispersion and spectra, and X-Rays. Sound. Wave motion, resonance, and velocity of sound. (4)

More advanced courses will be arranged for Arts and Science students provided the number of students majoring in Science justifies it.

Text and reference books for the above courses are as follows:
 Mechanics Molecular Physics and Heat—Millikan.
 Electricity Light and Sound—Millikan and Mills.
 Practical Physics (Chinese or English)—Millikan and Gale.
 Practical Physics—Watson.
 Manual of Physical Measurements—Read and Guthe.
 General Physics for Colleges—Webster, Farwell and Drew.

POLITICAL SCIENCE

(See History)

PSYCHOLOGY

Li T'ien-Lu, M. A., Ph. D., Professor, Head of Department.
 Ts'ui Hung-Chai, Assistant Instructor.

PSYCHOLOGY 1 and 2. General Psychology. This course is intended for beginning students. It treats of the main functions of the mind, such as Sensation, Perception, Attention, Memory, Imagination, Thought, Feeling, and Will. (2,2)

PSYCHOLOGY 3 and 4. Educational Psychology. See Education 5 and 6. (4,4)

PSYCHOLOGY 5 and 6. Experimental Psychology. (3,3)

RELIGIOUS INSTRUCTION

Howell Portman Lair, S. T. M., D. D., Professor, Head of Department.
 Members of the Faculty of the School of Theology.

The courses listed below are given in the School of Arts and Science. Not all of the courses can be given in any one year, but students will have an opportunity to elect any course before completing the requirements for graduation. Other courses in the School of Theology may also be elected by a student in the School of Arts and Science on the approval of the Head of his Department and the Dean of the School of Theology. The members of the Theological Faculty assist in the instruction in this Department.

RELIGIOUS INSTRUCTION 3 and 4. Old Testament History. Covering the historical sections of the Old Testament to the return from captivity, with introductions to the Prophets, and special attention given to the geography of Bible lands. Lectures, outlines, assigned readings, term papers. Two hours a week through the year. (2,2)

RELIGIOUS INSTRUCTION 5 and 6. Life of Christ. A study of the life and character and work of Jesus, with special reference to contemporary history and interpretation of His teachings. Text book with reference work and supplementary lectures. Two hours a week through the year. (2,2)

RELIGIOUS INSTRUCTION 7 and 8. Apostolic History. A detailed study of the problems and conditions of the early church with application of the principles there found to present-day needs. Introduction to apostolic literature. Text book and lectures. Two hours a week through the year. (2,2)

RELIGIOUS INSTRUCTION 21 and 22. History of Religion. A study of the origin and development of the great living religions, with special attention given to the sacred scriptures and the influence of the various religions on the practical life of the people. Lectures, assigned reading, topical reports, term papers. Two hours a week through the year. (2,2)

RELIGIOUS INSTRUCTION 23 and 24. Interpretation of the Bible. An examination of the various types of scriptural passages which are difficult to harmonize with modern thought, and suggestions as to their use. Also a sketch of the historical development of some great teachings in the Bible. Lectures, assigned readings, topical reports, term papers. Two hours a week through the year. (2,2)

RELIGIOUS INSTRUCTION 25 and 26. Apologetics. An examination of the fundamental facts and principles of the Christian religion, showing that the known facts of Christianity meet the needs of man's religious nature; and a review of the evidences for Christian belief. Two hours a week through the year. (2,2)

RELIGIOUS INSTRUCTION 27 or 28. Origin and Development of the Hebrew Religion. A study of the growth of great religious ideas as illustrated in the history of the Hebrews. English text, with supplementary syllabus. Topical reports, term papers. Two hours a week for one semester. (2)

RELIGIOUS INSTRUCTION 29 and 30. Modern Life and the Teachings of Jesus. A discussion of present day problems in the light of the recorded teachings of Jesus. Syllabus of topics with references and supplementary reading. Topical reports and term papers. Two hours a week through the year. (2,2)

RELIGIOUS INSTRUCTION 32. The Historical Background of Christianity. A historical study of intertestamental and New Testament times. Lectures with supplementary readings and topical reports a week for one term. (2)

SOCIOLOGY, SOCIAL SERVICE, AND ECONOMICS

Albert G. Parker, Jr., A.B., B.D., Associate Professor, and Head of Department.
Wu Gin-Ding David, (S.C.U.), Instructor.

In general, the courses up to 10 are open to freshmen; up to 20, to sophomores, and the others to upper classmen.

The students majoring in the department are expected to take Sociology 1, 3, either 9 or 10, either 20 or 26, 27 or 29, and 32. Economics 11 is also required.

1. Sociology

SOCIOLOGY 1. Introduction to Sociology. This course is for first year students in the department and for others who are beginning their study of sociology. The classroom work is in Chinese. English and Chinese reference readings are required. This gives a general introduction to the chief concepts and problems of sociology. (4)

SOCIOLOGY 3. Material for the Study of Social Science. This course is for the first year students in the department and for others who may be interested. The purpose is to give the student a knowledge of what material is available in the library for the study of social problems so that he will be able to find the material when he needs it. (1)

SOCIOLOGY 9. The Modern City. The students are required to visit a number of the institutions of Tsinan. Especial emphasis is given to the social problems of this city. The readings are largely in English. (2)

SOCIOLOGY 10. Social Investigation. This course is in Chinese. There will be English reference readings. The purpose is to teach the student the methods of studying the society in which he lives. (2)

SOCIOLOGY 14. Christian Attitudes toward Social Problems. The classroom work of this course is in Chinese. The purpose is to study particular social problems with reference to the attitude which Christians take in regard to the problems. (2)

SOCIOLOGY 15. The Family. The classroom work in this course is in Chinese. English and Chinese reference books are used. The course deals with the origin, development, forms and functions of the family. Especial emphasis is given to the Chinese family system. (2)

SOCIOLOGY 16. Social Pathology. Queen's textbook is used in this course. The class work is in English. The student studies the pathological conditions to be found in society. (2)

SOCIOLOGY 20. Social Psychology. This course deals with inborn impulses, the relative effects of heredity and environment, the social processes between individuals in society, social control, social attitudes, etc. There are two Chinese textbooks and several English textbooks which are used for reference. (3)

SOCIOLOGY 21. Social Evolution. This course considers the factors at work in the evolution of society. There are texts in Chinese and English for reference. (2)

SOCIOLOGY 23. Race Problems. The purpose of this course is to study the meaning of race and the points wherein races are different. It seeks a solution based on scientific considerations for the pressing problems of race relations. The readings are in English. (1)

SOCIOLOGY 25. Social Science and the Bible. The purpose of this course is to show how the Bible may be interpreted in the light of the principles and facts of social science. It is pointed out that the principles of Christianity are necessary fundamentals of a sound social order. (1)

SOCIOLOGY 26. Social Control. Lumley's text is the basis for the classroom work in this course. Lectures supplement the material of the text and readings. (2)

SOCIOLOGY 27. Critical Study of Chinese Social Problems. This course is for advanced study of social problems. The student is expected to do independent study on a limited field. (4)

SOCIOLOGY 29. Anthropology and Pre-literate Society. (3)

SOCIOLOGY 30. Principles of Sociology. (4)

SOCIOLOGY 32. Human Nature Becoming Christian Nature. (4)

2. ECONOMICS

ECONOMICS 1-2 Bookkeeping. Kirk and Street's textbooks are used. The work is in English and the student is expected to be able to follow the directions for the work. (3,3)

ECONOMICS 11. Principles of National Economy. Carver's text is used. The classroom work is in English and Chinese. Second year students in the department are expected to take this course. (4)

ECONOMICS 12. Statistics. (4)

ECONOMICS 13. Business Administration. (4)

ECONOMICS 14. Financial Organization of Society. (4)

ECONOMICS 15. The Laborer in Industry. (4)

ECONOMICS 16. The Social Control of Industry. (4)

ECONOMICS 17. Risk and Risk-bearing. (4)

BULLETINS OF INFORMATION

The following Bulletins are published by the University, and may be obtained by application to the Registrar of Shantung Christian University:—

- Bulletin No. 57. Bulletin of General Information for the whole University (English).
- Bulletin No. 58. Bulletin of General Information for the whole University (Chinese).
- Bulletin No. 59. Bulletin of the School of Arts and Science (English).
- Bulletin No. 60. Bulletin of the School of Arts and Science (Chinese).
- Bulletin No. 61. Bulletin of the School of Medicine (English).
- Bulletin No. 62. Bulletin of the School of Medicine (Chinese).
- Bulletin No. 63. Bulletin of the School of Theology (English).
- Bulletin No. 64. Bulletin of the School of Theology (Chinese).



CAMPUS LOOKING SOUTH

SCHOOL OF THEOLOGY

LOCATION AND FACILITIES.

The School occupies a prominent site on the splendid campus of the university which is situated just outside the south suburb wall of the city. In the background are the southern hills. A few minutes walk brings one into the very heart of the provincial capital with its teeming population.

The Dormitories for men students form part of the group of buildings toward the east end of the campus. Each student has a room assigned to him, thus enjoying the very best facilities for private study. The dining room and food arrangements are entirely in the hands of a committee of students. Women students are accommodated in the women's dormitory unit at the northwest corner of the campus.

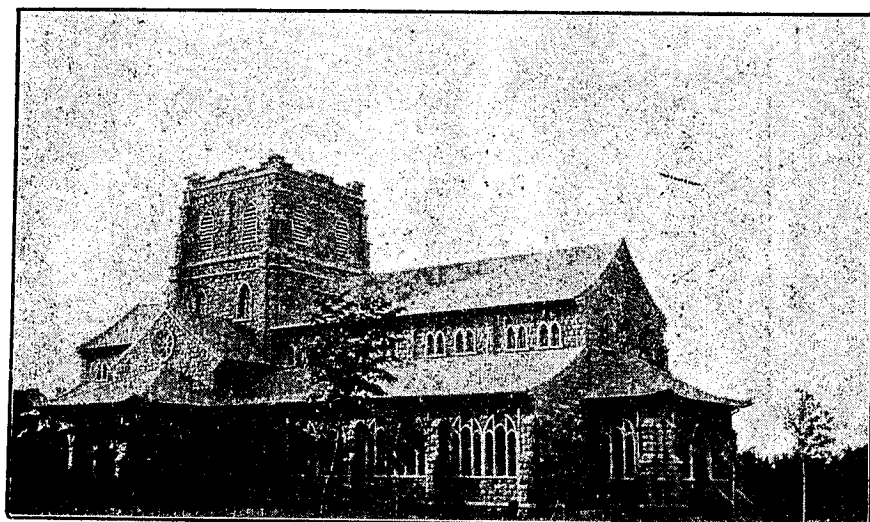
The Extension Department, with its special equipment and large number of visitors affords an excellent opportunity for both staff and students to participate in practical work of a social and religious character. Lectures and addresses are continued there throughout the year, with large audiences in attendance. Sunday School and other classes are placed under the care of our students. Students and staff meet regularly for worship in the large Kumler Memorial Chapel where every effort is made to cultivate habits of reverence and to provide a worshipful atmosphere. In addition to the reading room and reference library in the theological building, students also have access to Augustine Library with its books, periodicals, and journals in both Chinese and English. The library is under the care of a trained librarian and is kept open in the evening as well as during the day, in order to encourage wider reading and research on the part of students. Students of the School of Theology are also able to take advantage of many special lectures given for the benefit of the university as a whole.

RURAL COMMUNITY SERVICE.

To meet the clamant need for graduates who will be fitted, in a practical way, to take up the ministry in rural districts, the School has developed a special department of the rural church. A piece of experimental work is being done, under supervision of the staff, in a district near Lungshan, an hour's distance from Tsinan by rail. During each



GOTCH-ROBINSON SCHOOL OF THEOLOGY



KUMLER MEMORIAL CHAPEL

academic year some portion of the time is spent in actual field work there. Throughout the year week-end visits are made by both students and staff. Various forms of community service are undertaken, in addition to preaching, according to the needs of the community concerned. This experiment is part of the plan for rural service which is being undertaken by the university as a whole. A graduate of the school who has taken a special year of postgraduate study in practical agriculture at Nanking College of Agriculture and Forestry is in charge of the centre.

For information regarding Admission to the School of Theology, see page 77; regarding Fees, Deposits, and Student Expenses, see pages 81 to 84; regarding Degrees, see page 57.

Scholarships

In addition to those scholarships offered by the cooperating missions to their own students, there are the following scholarships:

(a) **Gibson Scholarships.** The School of Theology offers a limited number of Gibson Scholarships of the value of \$100.00 per annum, tenable for three years, to Arts Graduates of the University who enter the School of Theology, under conditions which may be obtained on application to the Dean of Theology.

(b) **Kung Li Hui Scholarship.** The North China Kung Li Hui has assigned to the School of Theology one scholarship tenable for three years in amount equal to grants given the students directly supported by the society itself. This scholarship may be awarded by the School to any qualified student not receiving support from any official church body. No obligation to the donors is involved.

Scholastic Regulations

The Unit of Credit. The unit of scholastic work is one hour of regular class room work for one semester. In the case of courses, like music, which call for little or no preparation, the credit value of the course is reduced by half. The credit value of each course is indicated in the description of courses.

Requirements for Graduation. Three years of satisfactorily completed work, with a minimum of 96 units of credit are required for graduation. For further details regarding graduation and degrees see page 57. Each regular student must carry a minimum of 16 hours of work a term, except when English is one of the subjects carried, when a minimum of 18 hours is required. The pass mark for all subjects is 60%.

COURSES OF STUDY

In addition to the regular course for those who are preparing as pastors or evangelists, a course is offered in Religious Education.

Required Subjects. The minimum of units required in certain subjects is indicated in the following tables:—

Table One—Academic Courses

	Regular Course	Religious Education
New Testament	18 units	15 units
Old Testament	18	9
Church History	9	6
Theology	6	3
Religion and Ethics	6	6
Religious Education	5	16
Chinese	9	6
Other Required Subjects		6
Electives	16	23
	<u>87</u>	<u>90</u>

Table Two—Specialized Training Courses

Sermon Class	3	
Pastoral Theology	4	
Music, 1 hr. to count as ½ hr.	2	1
Credit Practice Work (a)		5
	<u>96</u>	<u>96</u>

(a) In Practice Work five hours count as three.

Electives. In the Regular Course, electives may be taken in the line of any of the required subjects except Chinese whenever additional courses are offered. In addition, Greek is offered and English. Certain courses in Social Science, Education, and Religious Instruction may be taken in the School of Arts and Science. In Religious Education the electives are the same, with the exception of Greek.

Regular Course, First Year

Semester 1.		Semester 2.	
New Testament	3 hrs.	New Testament	3 hrs.
Old Testament	3 hrs.	Old Testament	3 hrs.
Introduction to Philosophy	3 hrs.	Religious Education	3 hrs.
Chinese	3 hrs.	Chinese	3 hrs.
Sermon Class 1 hr.	½ hr.	Sermon	½ hr.
Music 1 hr. to count as	½ hr.	Music	½ hr.
Electives, minimum	3 hrs.	Electives, minimum	3 hrs.
Total, minimum	16 hrs.	Total, minimum	16 hrs.

Course in Religious Education

Additional Required Subjects (for those making Religious Education a vocation) are:— Educational Psychology, Principles of Education, Teaching Methods (as offered in School of Arts), also Introduction to Philosophy, and Psychology of Religion.

At least five semester hours of Practice Work under the supervision of the Department of Religious Education are required.

It is most desirable that students should be able to undertake collateral reading in English.

DESCRIPTION OF COURSES IN THE SCHOOL OF THEOLOGY

Instruction in the School of Theology is grouped under the following:—

Old Testament	Rural Church
New Testament	Practical Theology
Theology	Y. M. C. A. Work
Church History	Chinese Language and Literature
Religious Education	Greek
Religion and Ethics	

English, Social Sciences, History, and Education, are taken in the School of Arts and Science.

Double numbers in the Description of Courses indicates that the course covers two semesters, otherwise all courses are semester courses. All courses are three hours weekly except where otherwise indicated.

OLD TESTAMENT

1. The History, Religion and Literature of Israel. From the Earliest Times to the Disruption.
2. The History, Religion and Literature of Israel. From the Disruption to the Maccabees.

These courses are based on a careful study of the Biblical and extra-Biblical historical sources, and are designed to provide the background for subsequent exegetical studies. They aim, in particular, to trace the religious development of Israel. These courses are therefore prerequisites for all other Old Testament courses.

3. The Exegesis of one book of the Pentateuch, usually Genesis, Exodus or Deuteronomy.
4. The Exegesis of one Prophetic book, usually Isaiah 1-39, Amos and Hosea, Jeremiah, or Isaiah 40-66.
5. Exegesis of one book of Wisdom Literature, usually Job or Proverbs.
6. The Exegesis of the Psalms.

The aim of all the exegetical courses is to interpret the fundamental religious teaching of the book, in relation to the times in which it was written. Each course will therefore be prefaced by a brief introduction placing the book in its historical setting, and will include some brief, but systematic, study of its contribution to religious thought and experience.

7. The Prophets of Israel. A connected sketch of the development of Prophecy in Israel, bringing out the essential message of each prophet, and placing him in his times.

8. The Religious Ideas of Israel. A study of the Old Testament Theology, as developed both in the Law and the Prophets, with special attention to the development of sacrifice, and its meaning.

Either Course 7 or Course 8 will occasionally be offered instead of an Exegetical Course.

NEW TESTAMENT New Testament Literature

1. Background of the New Testament—A survey of social and religious conditions and of the ruling ideas in the thought of Jewish and Graeco-Roman circles in the New Testament times.
2. The New Testament—A brief study of the Canon, its formation and history, text and translations,—a more detailed study of the origin, form and contents of the several books.
3. The Life of Christ—An introduction to the Synoptic Gospels; an historical study of the biblical records of the life of Christ, based on the earliest Gospel.
4. The Life of St. Paul—A brief study of the missionary work of Paul, based on the latter part of the book of Acts; and a more thorough study of the leading ideas of Pauline theology based on his epistles.

New Testament Exegesis

5. Acts I-XII—The earliest Jewish Christian Church.
6. Corinthians I and II—A study of a New Testament Church.
7. Hebrews—Exegesis of selected passages.
8. Romans—or Ephesians and Philippians.
9. Johannine literature—The Fourth Gospel or Revelation and John I and II.
10. Pastoral Epistles—With special attention given to the ministry in the early church, or the Catholic epistles.
11. The Teaching of Jesus.

Systematic Theology

1. **Propaedeutic:** The purpose of this course is to lay a foundation for all the other work of this department. It deals in general with the modern use of the Bible, with the chief convictions of the Christian Gospel in the Church today and with the sources of theology. Different types of creeds will be generally studied.

2. **Doctrine of God:** This course deals with different arguments for the existence of God and takes up the problems of the character of God, the personality of God, the unity of God and His relation to the universe. Anti-theistic theories will be discussed.

3. **Doctrine of Man:** This course intends to study the Doctrine of Man in the Old Testament and in the synoptic teaching of Jesus. Special topics such as man as a moral being, man as a free being, man as a sinful being, human personality, the supreme value of man, duty of man, brotherhood of man, the broken sonship and the unbroken Fatherhood, and the Doctrine of Man in relation to current thought will be carefully studied.

4. **Doctrine of Sin:** It deals with the reality, the universality, the origin, the consequence of sin and the deliverance from it by grace. In connection with the doctrine, the Doctrine of the Fall will also be discussed.

5. **Doctrine of the Holy Spirit:** This course intends to furnish a general view of the Holy Spirit as recorded in the Bible, especially in the teaching of Jesus in the Synoptic Gospels. The historical development and modern theories on the subject will be discussed.

6. **Christology:** This course is designed to acquaint the student with important theories of the Person of Christ, both ancient and modern, and with a constructive interpretation of the place of Christ in Christianity and in modern life. Most of the study is based on "The Doctrine of the Person of Jesus Christ" by H. R. Mackintosh.

7. **Soteriology:** It deals with the historical development of this doctrine and with several of the important theories such as Anselm's *Cur Deus Homo*, Grotius' *De Satisfactione Christi*, etc. and with its significance in the light of modern thought.

8. **Immortality:** This course has to do with the historical review of this doctrine, with science and immortality, with the proposed substitute for personal immortality, with the constructive basis for believing in a personal immortality and with the Christian contribution to this faith.

9. **Seminar.** The purpose of the Seminar is to provide students with the opportunity for intensive study of a particular topic or critical study of a particular book. The subject discussed for 1926-1927 was "Immortality in Modern Religious Thought."

CHURCH HISTORY

1. **The Early Church.** This course covers the Apostolic Age and the subsequent period up to A. D. 590.

2. **The Church in China.** The beginning of the Christian Church in China and its development up to the present time.

3. **The Religious Sects of the Pre-Reformation Period.**

4. **The Reformation Period.**

5. **Great men of the Church.** A course designed to bring students into living touch with some of the great men of the Church.

6. **History of the Modern Church.**

RELIGION AND ETHICS

1. **Introduction to Philosophy.** A course acquainting the student with the main problems of Western Philosophy. Attention is given to their religious bearings. Spring term. Required of all first year students.

2. **The Biblical Basis of Christian Ethics.** A study of the sources of modern Christian ethical thought as found in the Bible. The course covers the main ethical movements of the Old Testament, the ethics of Jesus, the Pauline and Johannine contributions, and a summary consideration of the emergent principles which form the base to the further development of Christian ethical thought. Fall term, second year.

3. **Modern Ethical Problems.** The social application of Christianity. What is the Christian position on such modern ethical problems as the family, industrialism, war, nationalism, etc. The class selects the subjects to be studied. Elective. spring term 1928 and alternate years. 2 hours.

4. **Psychology of Religion.** A psychological study of various levels and types of religious experience from the standpoint of their function and meanings. Fall term, 1928 and alternate years.

5. **Comparative Religion.** A study of living Chinese religions based in part on a survey study of local religious communities (non-Christian) and lectures by their representatives. Class room discussion will attempt an evaluation of the meaning and value of each religion to its own adherents and in relation to Christianity. Fall term, 1927 and alternate years.

6. **The Worship Experience.** A study of Christian worship covering such topics as, the place of prayer in worship, mystic experience in worship, the psychology of the worship experience, the function of worship, its relation to ethics and social experience, and the testimony of worship to the reality of God. Fall term, 1927 and alternate years. 2 or 3 hours.

7. **The Philosophy of Religion.** First a study is made of religion in relation to the rest of human experience to discover its immanent trend and distinct contribution. This is followed by an enquiry into the philosophical validity of the Christian experience and idea of God. Modern philosophical views are examined to discover their bearing upon this and the related problems involved in a theistic world-view. Spring term, 1927, four hours. Prerequisites: Introduction to Philosophy and Comparative Religion or Psychology of Religion.

8. **Theism.** The course will take up the Psychological value of belief in a personal God with special attention to the challenge of present non-theistic religion, followed by the interpretation of the meaning of the concept and the philosophical grounds for the belief in the reality of a personal God. Final attention will be given to the problem of evil as set by such a faith. Spring term, 1928 and alternate years.

Practical Theology

Courses in this department are 2 hours weekly.

1. **Pastoral Theology:** This course aims to give the importance of pastoral labor, a general survey of pastoral preparation and the work both in the church and in the com-

munity. Special emphasis will be made on the correct methods for pastors to deal with various classes of people whom they are to serve.

2. **Pastoral Qualifications:** This course endeavours to make known what an ideal pastor ought to be. The discussion will mainly follow Principal A. E. Garvie's "The Christian Preacher."

3. **Pastoral Administration:** This course will enable the student to see the importance of organisations within the church, to understand the principles of administration and to realize the influence of the unity of Christian Churches.

4. **Parish Problems:** This course will mainly employ the discussion method with the sole purpose of finding some satisfactory solutions for church problems which are to be confronted in the parish.

5. **Personal Evangelism:** This course will reveal the importance of personal evangelism, personal need, personal responsibility, and the indispensable equipment for personal workers. Methods of work and examples will also be noted.

6. **Worship:** This course deals with the significance, ideal, psychology and materials of worship. The development of the idea of worship, the place of ritualism in worship, and worship in modern religious cults will be generally discussed.

7. **Biblical Homiletics:** This course will enable the student to make the best use of materials both in the Old Testament and New Testament for homiletical purposes. Sermon sketches will be frequently required.

8. **Practical Homiletics:** Students are to preach in turn. Criticism will be offered by both the professor in charge and the students regarding the speaker's voice, gesture, materials, sermonic construction and general way of delivery.

9. **Sermonic Homiletics:** This course deals with the fundamental principles of sermon building. It is designed to acquaint the student with the whole method of sermon building from the selection of the text to the delivery of the completed sermon. Sermon topics will be occasionally assigned to the class for outlines.

RELIGIOUS EDUCATION

A Prerequisite for all the courses offered below is a course in General Psychology.

1. **Educational Psychology.** To be taken in the School of Arts. 4 hours
2. **Principles of Religious Education.** A general view of the principles of Religious Education, and its aims; human nature, and the religious educative process. Prerequisite: Course I. 3 hours
3. **Child Psychology.** To be taken in the School of Arts.
4. **The Religious Life of Children.** Prerequisites: Courses 2 and 3. 2 hours
5. **Methods of Religious Education in the Elementary Departments in the Church School.** A study of methods and projects for elementary grades, including the choice and use of lessons, worship and expressional activities. 3 hours
6. **The Psychology of Adolescence, as related to the Religious life.** A study of the psychology of the "teen age" with its moral and religious problems, and of the best methods for guiding students during this critical period. Prerequisite: Course 2. 3 hours

7. **The Problem of the Adolescent Girl.** Especially adapted to China. Course 6 is a prerequisite. Based in part on Moxcey's "Girlhood and Character" and "Leadership in Girl's Activities". 2 hours

8. **Methods of Religious Education, in Middle Schools and for Adolescents in Sunday Schools and Week-day Church Schools.** Prerequisite Course 6. The topics include the aims of religious education in Middle Schools, curriculum, projects, and a study of methods not only for class-room work, but for expressional activities. 2 hours

9. **Continuation of Course 8.** Definite problems in religious education in the Middle School curriculum, combining lectures with supervised teaching in a Middle School, a Sunday School, or a Week-Day Church School; also expressional activities or projects where the work of adolescents is shared by the students taking this course. To count as 2 or 3 hours.

10. **Organization and Administration of Religious Education.** This course deals not only with the organization and management of religious education in a church, but also in a community or denomination. Includes the Sunday School. 2 hours

Y. M. C. A. WORK

1. **Introduction to Y. M. C. A. Work.** This course is a study of the methods and practices that have been developed under the name of association work in meeting the needs of men and boys. Through observation and practice the class discussions will be directed to an understanding of Y. M. C. A. Work. Each week three hours will be spent in observation and practice, and two hours in class meetings. Second Year, First Term. Credit, three hours.

2. **Association Methods and Practices.** During this course each student will select some phase of work in the local Y. M. C. A. for practice. This practice work will be based on written plans and be done under the guidance of the instructor and Y. M. C. A. department head. Second Year, Second Term. Class work, two hours; practice work, three hours. Credit three hours.

3. **History, Principles, and Policy of the Y. M. C. A.** In the light of economic, social, and religious conditions, a study will be made of the opportunities for service that the Association can render. This course is intended especially for those students who are contemplating entering association work as a life vocation. Third Year, First Term. Credit, three hours.

4. **Organization and Administration of Y. M. C. A. Work.** A study of the executive side of the secretaryship, with the use of the membership, volunteers, committees, and the building; financing, the four-fold program in actual operation. Third year, Second Term. Credit, three hours.

THE RURAL CHURCH

1. **Rural Sociology and Rural Economics.** To be taken in the School of Arts.
2. **Rural School.** To be taken in the School of Arts.
3. **Methods of Country Evangelism.**
4. **Problems of the Country Church.**
5. **Methods of Agricultural Extension Work.**
6. **Rural Hygiene and Sanitation.**
7. **Rural Homemaking.**

SCHOOL OF MEDICINE

LOCATION AND BUILDINGS

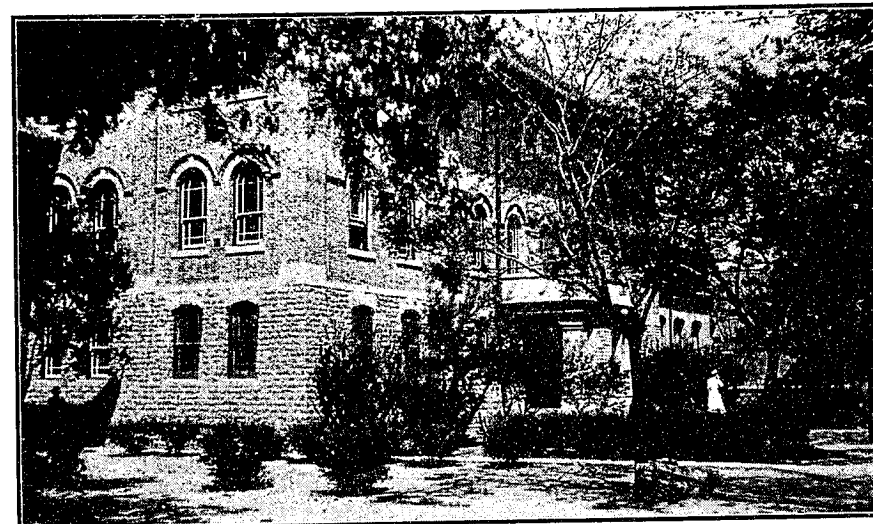
The School of Medicine is situated on its own campus in the South Suburb of Tsinan, adjoining the general University Campus, from which it is only separated by the suburb wall.

The main school building consists of a large three-story central block, with east and west laboratory wings. In addition to class-rooms, the building contains large, well-lighted laboratories devoted to Biological Chemistry, Pharmacy and Pharmacology, Histology and Embryology, Pathology and Bacteriology, and the Department of Anatomy (and Dissection). A special laboratory is set apart for the routine examination of specimens from patients in the hospital. The medical branch of the University Library, containing reference books and an adequate assortment of current periodicals, is lodged in the central medical building. The Laboratory of Physiology and the offices of the Department of Preventive Medicine are accommodated on the main University campus outside the suburb.

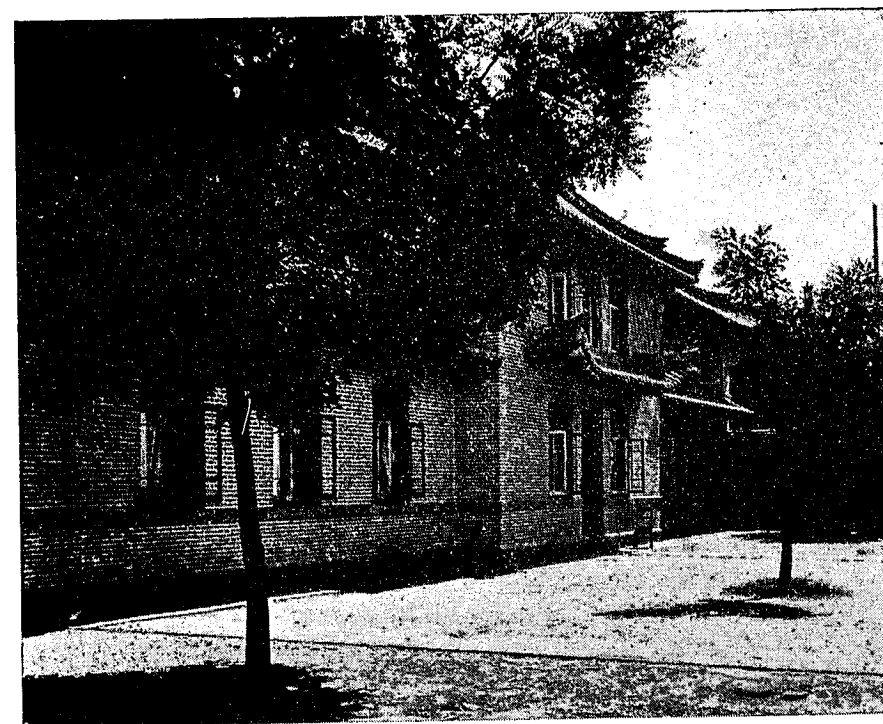
Adjoining the School of Medicine is the University Hospital and Dispensary, with a frontage of 400 feet. The Hospital, which was erected in 1915, provides accommodation for 105 patients. Funds are now in hand for a new hospital of 200 beds. When completed, the present hospital will be used for additional out-patient accommodation. The Out-patient Dispensary consists of a central waiting room, with consulting rooms for the different departments and a laboratory for routine examinations, and operating rooms for surgical and ophthalmic out-patients. The Department of Roentgenology is also situated in this building.

The School of Medicine possesses dormitories and a students' commons for the men students, adjoining the teaching buildings. The women students are lodged on the University Campus outside the suburb wall in a building containing sleeping rooms, study hall, social room and dining room. It is equipped with modern plumbing and lighted by electricity.

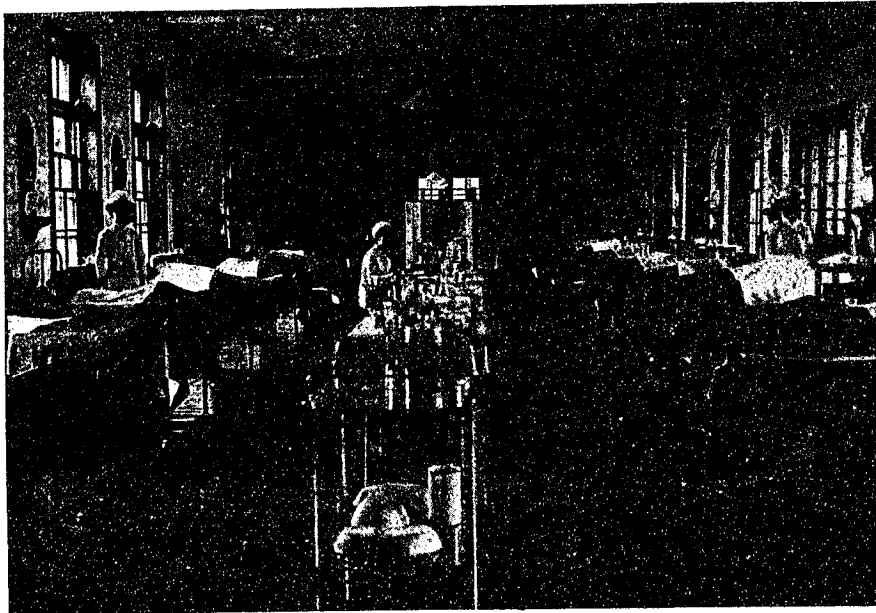
Besides the above buildings, residences are provided for the members of the staff.



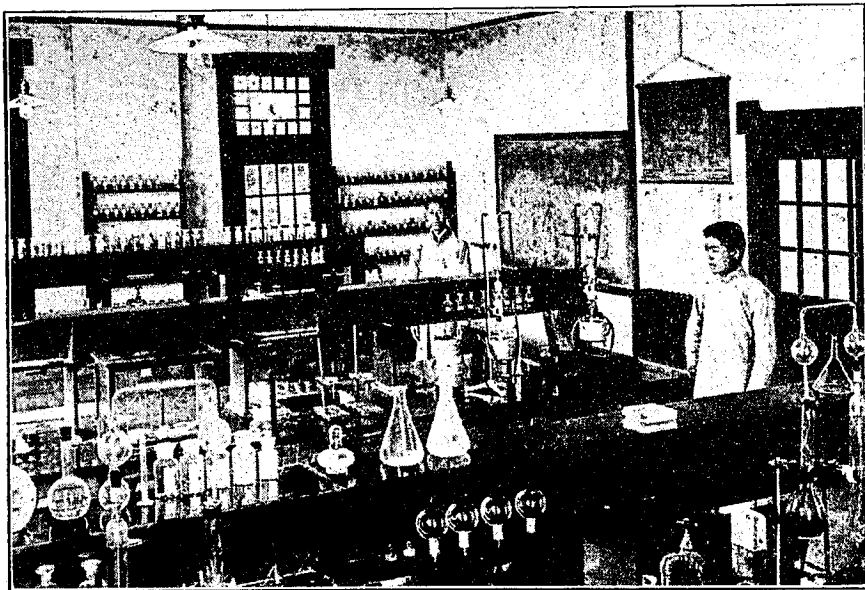
SCHOOL OF MEDICINE



MEN'S DORMITORIES



WARD



LABORATORY

SCHOLARSHIPS AND PRIZES

125

In addition to the School of Medicine there is, connected with the Hospital, a Nurses Training School for both men and women nurses. The nurses are lodged outside the hospital in well-equipped dormitories. Inquiries in regard to Nurses' Training Courses may be addressed to: The Superintendent of Nurses.

For information regarding admission to the School of Medicine, fees and deposits, and student expenses, see pages 78-84.

For information regarding degrees and requirements for graduation, see pages 56 and 57.

COUNCIL ON HEALTH EDUCATION SCHOLARSHIP

A scholarship of \$100 will be given annually for the years 1926, 1927 and 1928 by the Council on Health Education to the student obtaining the highest marks in the Entrance Examination to the School of Medicine of Shantung Christian University.

PRIZES

Doggart Prize. From funds contributed by Mr. A. R. Doggart, of Darlington, England, a prize of \$60 is awarded to the member of the second year class whose marks are highest for the first two years of the course, and \$40 to the student whose marks are second highest.

Wenham Prize. From funds amounting to \$3500 contributed through the Union Medical College, Peking, by friends of Dr. H. E. Wenham, a prize has been established as a memorial to him. This prize, consisting of the interest on the money, will be annually awarded to the two best students in the graduating class, the following points being taken into consideration in making the award: general excellence, public service, scholarship and athletic achievement.

COURSE OF STUDY

Instruction is given mainly in Mandarin. Students are encouraged to use English text books and every effort is made to enable them to familiarize themselves with medical terminology in English. It is expected that graduates of the School will be able to continue their medical studies in English after graduation. Students on duty in the hospital record the patients' clinical histories in English.

SCHOOL OF MEDICINE

SCHEDULE OF COURSES

FIRST YEAR		Second Semester	
First Semester	Hours		Hours
Embryology (Anat. 6)	56	Histology (Anat. 7)	123
Histology	72	Anatomy (2)	160
Phys. Chemistry (1)	192	Physiology (1)	144
Anatomy (1)	160	Materia Medica (1)	48
Clin. Medicine (3 & 4) & Surgery	16	Clin. Medicine (3 & 4) & Surgery	16
English	64	English	64

SECOND YEAR		Hours	
	Hours		Hours
Anatomy (3)	96	Anatomy (4)	96
Physiology (2)	112	Pathology (3)	192
Pathology (2)	112	Pharmacy (2)	32
Bacteriology (Path. 1)	144	Pharmacology (2)	96
Infectious Diseases (Med. 1)	32	Physical Diagnosis (Med. 2)	48
Clin. Medicine (3 & 4) & Surg.	16	Parasitology	32
English	64	Clinical Medicine (3 & 4) & Surg.	16
		English	64

THIRD YEAR		Hours	
	Hours		Hours
Laboratory Diagnosis (Med. 9)	96	Medicine (11 & 12)	64
Medicine (11 & 12)	64	Surgery (2)	64
Surgery (1)	64	Applied Anatomy (5)	48
Ophthalmology (1 & 2)	32	Ophthalmology (1 & 2)	32
Obstetrics (1)	32	Obstetrics (2)	48
Dermatology (1)	16	Dermatology (2)	16
Pediatrics (1)	16	Syphilology (1)	16
Clinical Work, Medicine (5 & 6)	80	Pediatrics (2)	16
" " Surgery (5)	80	Preventive Medicine (1)	16
English	64	Clinical Work, Medicine (5 & 6)	80
		" " Surgery (5)	80
		English	64

FOURTH YEAR		Hours	
	Hours		Hours
Therapeutics (Med. 10)	64	Neurology (Anat. 8)	80
Gynaecology (1)	32	Pediatrics (4)	32
Pediatrics (3)	32	Hygiene (3)	32
Hygiene (2)	32	Medicine (13, 14)	64
Medicine (13, 14)	64	(inc. Psychiatry, Forensic Med.)	64
Surgery (3)	80	Surgery (4)	80
Clinical Work (Med. 7 & 8, Surg. 5)	240	Ear, Nose & Throat (Surg. 4)	16
		X-Ray Diagnosis	8
		Clinical Work (Med. 7 & 8, Surg. 5)	240

COURSES OF STUDY

FIFTH YEAR		Second Semester	
First Semester	Hours		Hours
Neurology (Med. 17)	64	Surgical Pathology (9)	64
Operative Surgery (6) (half the class)	48	Operative Surgery (6) (half the class)	48
Clinical Lectures, Medicine (15)	40	Clinical Lectures, Medicine (16)	40
" " Surgery (5)	40	" " Surgery (5)	40
Practical Clinical Work in Wards, Operating Room and Out-patient Department - Minimum (estimated)	312	Practical Clinical Work in Wards, Operating Room and Out-patient Department - Minimum (estimated)	312

The work of the fifth year is clinical in nature, the students being assigned cases in the wards, whose histories they record, for whom they make the routine laboratory examinations and whose treatment they observe under direction of the clinical staff. They also assist in turn at operations and attend the Out-patient Department in small sections, assisting the clinical staff in the treatment of patients. Students in the fifth year are encouraged to take elective courses in various subjects, to be arranged with the heads of the department, such courses not to occupy more than one-third of their time.

DESCRIPTION OF COURSES OF STUDY

DEPARTMENT OF ANATOMY

RANDOLPH TUCKER SHIELDS, M. D., Professor of Histology and Head of the Department.

LAURENCE MANSFIELD INGLE, M. B., Ch. B., F. R. C. S. (Eng.), Associate Professor of Anatomy.

WANG HUI-WEN, M. B., Assistant Professor of Anatomy.

CHANG HUI-CHUAN, M. B., Instructor in Histology.

Anatomy 1, 2, 3, 4. Gross Anatomy.

Both semesters of 1st year, 10 hours a week.

Both semesters of 2nd year, 6 hours a week.

Each student is required to make a careful dissection of one half of a body. Lectures are given during the 2nd semester of the 2nd year especially emphasising function and development.

Anatomy 5. Applied Anatomy.

2nd semester of 3rd year, 3 hours a week.

This course is designed by demonstration and lectures to acquaint the student with a knowledge of surgical anatomy.

Anatomy 6 & 7. Embryology and Histology.

Both semesters of 1st year, 8 hours a week.

This course begins with a general study of the development of the chick. Then the Histology of the fundamental tissues is taken up, fresh tissue being used as much as practicable. Organology is taught from the embryological view-point and the relationship of Histology to Physiology and Pathology is emphasised. In the last part of the 2nd semester a short course in Mammalian development is given. Students are required to do enough technical work to acquire some familiarity with routine histological methods.

Anatomy 8 Neurology.

2nd semester of 4th year, 5 hours a week.

This course deals with the anatomy of the central nervous system, and especially the arrangement and function of the fiber tracts.

Text-books:—Translation, Lewis' Text-book of Histology. Translation, Reese's Introduction to Embryology.

Students are encouraged to use English text-books and journals for reference.

DEPARTMENT OF PHYSIOLOGY

PHILIP SAFFERY EVANS, Jr., M.D., Professor of Physiology and Head of the Department.

PETER C. KIANG, M.D., Professor of Bio-chemistry and Toxicology.

SUSAN S. WADDELL, M.D., Associate Professor of Physiology and Pharmacology.

WILLAM PERCY PAILING, Ph. C., M.P.S., Associate Professor of Materia Medica and Pharmacy.

LI TSAN-WEN, B.S., Instructor in Bio-Chemistry.

CHANG CHUN-HUA, Assistant in Blood Chemistry.

Biological Chemistry 1.

Instruction in this subject is mainly given by laboratory work, supplemented by lectures and recitations, to the first year class during the first semester, 12 hours per week.

The course is designed to cover the following:—

1. The general chemistry of the cell and various tissues of the body.
2. The descriptive chemistry of the carbohydrates, lipins, proteins and other substances which constitute the physical basis of life.
3. The dynamic chemistry of digestion, metabolism, secretion and excretion. This also includes a study of the biochemical processes that can be closely imitated outside the human organism, such as the action of enzymes—salivary, gastric and pancreatic digestions.
4. Volumetric methods of urine and blood analysis.
5. Physico-chemical methods as applied to the various fluids of the body.

Students in Biological Chemistry are required to execute various metabolism experiments, in order to familiarize themselves with the chemical technique and the problems of dietetics involved in such work. Throughout the course emphasis is especially given to those parts of the subject which will be of fundamental value to clinical interpretation.

Physiology 1. Dr. Evans and Dr. Waddell.

2nd semester, 1st year, 3 recitation and lecture periods and 6 hours of laboratory work each week.

During this term the students study the physiology of muscle and nerve, the circulation, internal secretions, respiration and digestion.

Physiology 2. Dr. Evans and Dr. Waddell.

1st semester, 2nd year, 7 hours a week.

This term the students study the functions of the kidney and the skin, general metabolism, heat regulation, functions of the central nervous system, sensation and perception, with study of special senses.

The courses in Physiology consist of lectures, recitations, laboratory work, and discussions on the experiments. The laboratory work is emphasized. Usually two students work together at one table. Each table is provided with a kymographion, inductorium, and the usual accessory apparatus, including connections with a low voltage constant current and a seconds current. The records kept by the students, and the quizzes on the laboratory work are included in making up the marks for each term.

Materia Medica 1. Rev. W. P. Pailing.

2nd Semester, 2nd Year, 3 hours per week.

This course includes lectures on all the chief drugs used in medicine, arranged according to their therapeutic uses. The source, composition, preparations and doses of the same are treated in detail. The student is made acquainted with the various drugs and their preparations by the handling of specimens, while incompatibilities and the antidotes for the more common poisons are also treated.

In this course the student is introduced to the writing of Latin prescriptions.

Pharmacy 2.

2nd semester, 2nd year, 2 hours per week.

The course consists of lectures and laboratory work. Weights and measures, incompatibles, special points relating to prescriptions and the official pharmacopoeial preparations are fully dealt with. Each student is required to make all the typical pharmacopoeial preparations, and compound typical prescriptions.

Pharmacology 2.

2nd semester, 2nd year, 6 hours per week.

This course is devoted chiefly to discussion of the physiological action of a selected list of drugs and how these actions may be utilized to relieve or cure disease. The physical and chemical properties of these drugs are described only in so far as they concern

their actions and the methods of administration. Demonstrations are used to illustrate these discussions as far as is practicable, and each student is required to make his own observations and to describe them accurately in his laboratory note-book.

DEPARTMENT OF PATHOLOGY

HOU PAO-CHANG, M. D., Assistant Professor of Pathology.
CHANG CHI-HSIEN, Instructor in Bacteriology.

Pathology 1. Bacteriology and Immunology.

1st semester, 2nd year. 9 hours a week.

The conditions of bacterial biology in general are explained and the ordinary methods of bacteriological technic demonstrated, the students themselves preparing the culture media and using them in the cultivation of a series of the commoner pathogens. They become familiar with the practical diagnostic methods in general use by performing them under supervision. A series of lectures and demonstrations, in which the students themselves participate, illustrates the commoner phenomena of Immunity.

Pathology 2 & 3. General Pathology and Pathological Anatomy.

1st semester, 2nd year, 7 hours a week.

2nd semester, 2nd year, 12 hours a week.

A practical and systematic laboratory course wherein the principles of pathology as illustrated by the commoner human diseases are studied. It consists chiefly in microscopic study of diseased tissue, which is further illustrated by fresh and museum specimens, and, at times, patients from the hospital. The relation between the changed physiological functions of organs and the pathological changes causing them are emphasized. The aim of the course, besides familiarizing the student with some of the principles of pathology, is to develop his power of observation and of independent thinking.

Pathology 5 & 6. Advanced Pathology.

Throughout 5th year.

An elective course for specially qualified fifth-year students, wherein they may devote up to one third of their time to a more thorough study of disease or problems in which they are particularly interested. The object of this course is to help the student develop a little ability to carry on independent investigation.

Pathology 7 & 8. Clinical-Pathological Conference.

Whenever there is suitable material on hand, a conference of the 5th year students and staff is held once a week, wherein the clinical and autopsy findings of carefully studied cases are considered.

Pathology 9. Surgical Pathology.

2nd semester, 5th year, 4 hours a week.

The object of this course is threefold: first, to enable students to recognize diseased organs, both grossly and microscopically, secondly, to enable them to correlate pathological changes with symptoms and physical signs; thirdly, to demonstrate the pathological basis of surgical treatment.

DEPARTMENT OF MEDICINE

WILLIAM McCLURE, M. D., C. M., Professor of Medicine and Head of the Department.

ERNEST B. STRUTHERS, B. A., M. B., D. T. M. & H. (Eng.), Associate Professor of Medicine.

FRANCIS HENRY MOSSE, M. A., M. R. C. P., Associate Professor of Medicine.

LEROY F. HEIMBURGER, M. D., Associate Professor of Dermatology.

ANNIE V. SCOTT, B. S., M. D., Associate Professor of Pediatrics.

JULIA MORGAN, M. A., M. D., Assistant Professor of Medicine.

ARABELLA S. GAULT, B. A., M. D., Instructor in Medicine.

Medicine 1. Infectious Diseases. Dr. Struthers.

1st semester, 2nd year, 2 hours a week.

Systematic lectures and recitations on certain of the better known infectious diseases, together with demonstration of illustrative cases when such are available. This course is introduced earlier than is customary, with the idea of linking more closely Pathology and Bacteriology with the Clinical aspects of the subject.

Medicine 2. Physical Diagnosis. Dr. Gault.

2nd semester, 2nd year, 3 hours a week.

A practical course in the physical examination of the body in health and disease.

Medicine 3 & 4. Clinical Medicine.

1st & 2nd years. A course of 8 demonstrations each semester, arranged to give the students of the 1st and 2nd years an introduction to the study of clinical medicine, especially in those diseases whose study can be greatly assisted by the Biochemistry and Physiology laboratories.

Medicine 5 & 6.

3rd year. 5 hours a week.

The students of the 3rd year are given demonstrations on selected cases in the wards which have a bearing upon the work covered in the lecture course. They are also required to make physical examinations and take histories of selected cases.

Medicine 7 & 8.

4th year. This consists of daily clinics in the Hospital and work in the Out Patient Department.

Medicine 9. Laboratory Diagnosis. Dr. Kiang.

1st semester, 3rd year, 6 hours a week.

A course of practical instruction in the usual laboratory diagnostic procedures useful in the diagnosis of disease.

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4th year. This consists of daily clinics in the Hospital and work in the Out Patient Department.

Medicine 9. Laboratory Diagnosis. Dr. Kiang.

1st semester, 3rd year, 6 hours a week.

A course of practical instruction in the usual laboratory diagnostic procedures useful in the diagnosis of disease.

Medicine 10. Therapeutics.

1st semester, 4th year, 4 hours a week.

A course of lectures on the pharmacological and therapeutic action of drugs in the treatment of disease, including the application of serum and vaccine therapy.

Demonstrations are given in the hospital of various methods of therapy, including massage and hydro-therapy and the more important procedures in the practice of nursing patients. Throughout, an effort is made to teach in addition to drug therapy the value of other measures in the adequate treatment of the patient.

Medicine 11, 12, 13, 14.

3rd and 4th years, 4 hours a week.

Systematic lectures and recitations on the Practice of Medicine dealing with the etiology, pathology, symptomatology, diagnosis and treatment of disease. Constant use is made of drawings, photographs, plates and morbid specimens to illustrate the subjects taught. Special emphasis is laid on those diseases prevalent in this country. During the second semester of the 4th year about eight hour-periods are devoted to outlining the more important psychoses, and about the same length of time to forensic medicine.

Medicine 15, 16.

5th year. (a) Hospital Wards. In addition to clinical demonstrations, students are required to make all investigations of such cases as are allotted to them, including the preparation of case histories, urine analysis, blood examination and other forms of special investigation. They are required to write out the treatment in detail and record the progress of the case.

(b) Out Patient Department. Students of the 4th and 5th years are required to attend in groups the out-patient department of the University Hospital where abundance of material affords excellent opportunities for the application of the common methods of physical diagnosis, as well as the carrying out of laboratory investigations. Fluoroscopy is demonstrated on appropriate cases.

Medicine 17. Neurology.

1st semester, 5th year, 4 hours a week.

A course of lectures and recitations is given during the first semester of the 5th year covering the more common diseases of the nervous system; the subject is illustrated by means of diagrams, pictures, together with normal and morbid specimens, and, wherever possible, cases are brought before the class for discussion. The amount of clinical material in the out-patient department is considerable.

DERMATOLOGY AND SYPHILOLOGY**Dermatology 1. 3rd year, 1st semester.**

A preliminary course of sixteen lectures to review the physiology and histological anatomy of the skin; to study the pathology of the more important dermatoses and syphilis, and the reaction of the skin to various physical, chemical and bacterial agents.

Dermatology 2. 3rd year, 2nd semester.

Sixteen lectures to lay stress on the etiology, pathology, diagnosis and treatment of the common diseases of the skin met with in ordinary clinics. These are illustrated with pictures, lantern slides and clinical material when available.

Dermatology 3 & 4. 5th year.

Clinical instruction to sections of the class in the out-patient department, hospital wards, and Tsinan Leper Hospital to observe the eruption characteristics of skin diseases. Dark field examinations and the method of preparation of hair and scales for microscopic examination of the scalp and body for fungus infections are also taught. Also instruction is given in the administration of various therapeutic agents, as arsphenamine, mercury, bismuth, vaccines etc. and the technique of lumbar puncture and intraspinal therapy. As opportunity affords, the X-Ray therapy of cutaneous diseases is demonstrated by the X-Ray Department.

Syphilology 2. 3rd year, 2nd semester.

Sixteen lectures are given on the clinical and laboratory diagnosis of syphilis, especially cutaneous and nervous types. Recent discoveries relating to the treatment, diagnosis and prognosis of syphilis are discussed. Clinical material, pictures and lantern slides are used to illustrate these lectures.

Syphilology 2 & 3. 5th year.

Given to sections of the class in conjunction with Dermatology 3 & 4.

Textbooks:- Schamberg, Compend of Diseases of the Skin (English)
Neal " " " " " " (Chinese)
Heimburger, Syphilis (Chinese)

Reference books:- Highman, Dermatology
Sequeira, Diseases of the Skin
Stellwagon, Textbook of Diseases of the Skin
Sutton, Diseases of the Skin
Walker, Handbook of Skin Diseases.

PEDIATRICS**Pediatrics 1 & 2.**

Both semesters, 3rd year, 1 hour a week.

This course consists of lectures on the Growth and Development of the Child and on Infant Feeding.

Pediatrics 3 & 4.

Both semesters, 4th year, 2 hours a week.

During the fourth year one lecture and one hour bedside clinical work on Diseases of Children are given each week.

DEPARTMENT OF HYGIENE

The course in Public Health and Hygiene is divided into three parts and is given to each class of Medical students during the second semester of the third and during both semesters of the fourth year.

Hygiene 1. 2nd semester, 3rd year, 16 hours. Consists of a course of 16 lectures dealing with the history of Medicine and the evolution of preventive medicine; it explains the meaning of health, the necessity for its existence and the relation between curative and preventive medicine.

Hygiene 2. 1st semester, 4th year, 32 hours. Consists of:

- (a) 20 lectures dealing with meteorology and climate: geology in relation to health: principles of ventilation and lighting: water supply and its purification: food stuffs: methods of removal and disposal of refuse and sewage: epidemiology and measures directed against infectious disease: disinfectants and disinfection.
- (b) 12 lecture periods to be used for demonstrations of chemical and bacteriological analysis of water, milk, etc., specimens of helminths, insects, etc.

Hygiene 3. 2nd semester, 4th year, 32 hours. Consists of:

- (a) a course of 16 lectures dealing with personal hygiene: value of statistics: sanitary law of the Metropolitan Police; public health administration; school hygiene; industrial hygiene; maternity and child welfare.
- (b) 16 lecture periods for field demonstration, including inspection of factory conditions and philanthropic institutions, etc.

Each student is asked to make a report on the sanitation of his own town or village, with the hope that he may get a practical knowledge of the application of Preventive Medicine.

DEPARTMENT OF SURGERY

EDWIN R. WHEELER, M. B., B. S., F. R. C. S. (Eng.), Professor of Surgery and Head of the Department.

THORNTON STEARNS, M. D., F. A. C. S., Associate Professor of Orthopedics and General Surgery.

PA TA-CHIH, M. D., Assistant Professor of Ophthalmology.

DAVID J. EVANS, M. B., Ch. B., F. R. C. S. (Eng.), Assistant Professor of Otolaryngology.

SURGERY

This course includes General Surgery, Orthopaedics, Genito-Urinary Surgery, Ophthalmology and Otolaryngology, Operative Surgery, besides Clinical work in the wards, Operating room and Out-Patient Department. While the Manual of Surgery by Rose and Carless, of which there is a good Mandarin translation, is used as the basis for didactic work, an attempt is made in the lectures given to amplify this work and adapt it to fit the peculiar needs of China.

An introduction to Clinical Surgery is given to the Students in their first and second years but the course properly begins in the third year and is as follows:—

Surgery 1. 3rd year, 1st Semester. 4 hours per week.

Inflammation, Ulceration and Gangrene; Nonspecific pyogenic Infections; Specific Infectious Diseases; Tumours and Cysts, Wounds, Haemorrhages, Diseases of blood vessels and lymphatic system, General technique of operative surgery.

Surgery 2. 3rd year, 2nd Semester. 4 hours per week.

Surgical affections of nerves, skin, muscle, tendons and bursae. Orthopaedic Surgery, including fractures, injuries and diseases of spine, amputations, etc., etc.

Surgery 3. 4th year, 1st Semester. 5 hours per week.

Surgical affections of Scalp, Brain and Membranes, Lips and Jaws, Mouth, Esophagus, Surgery of Neck, Thorax and Breast.

Surgery 4. 4th year, 2nd Semester. 6 hours per week.

Abdominal Surgery, Genito-Urinary Surgery, Anaesthetics, Ear, Nose and Throat.

Surgery 5. 3rd, 4th and 5th years.

In addition to clinical demonstrations upon selected cases in the wards and out-patient department of the University Hospital, students who are taking this course are required to make all investigations of such cases as are allotted to them, including the preparation of case histories, urine and blood analysis, other forms of special investigation, the recording of the treatment administered and the progress of the case.

Surgery 6. Operative Surgery. 5th year 3 hours per week.

Operations on cadaver. Demonstrations and practical work.

OPHTHALMOLOGY

Ophthalmology 1 & 2. Dr. Pa.

Both semesters of 3rd year. 2 hours a week.

This course consist of lectures, operations and practice on pigs' eyes. The object is to teach students to know the general principles of Anatomy, Physiology, Embryology, Histology and Neurology of the eye, and also the etiology, symptoms, pathology, diagnosis and treatment of common, important eye diseases.

Each student will have the opportunity to practise operating for Cataract and Glaucoma on pigs' eyes, and at times to assist in eye operations.

Ophthalmology 2a. (Clinical work) Drs. Pa & Yang.

3 hours daily for half semester of 3rd year & 4th year.

The clinical work consists of: (A) Complete examination of cases, including history, functional test, dark room examination, differential diagnosis and treatment; (B) Minor operations and special trachoma treatment, also done by students under the supervision of instructors; (C) Refraction, including the primary muscle test, retinoscope record, trial case finding, checking lenses and fitting frames; (D) Demonstrations given in selected cases.

Ophthalmology 3. (One month Elective Course in Summer for Postgraduate students) Dr. Pa.

This special course includes four lectures and 5 hours a day of clinical work, including operations, demonstrations, refraction and eye pathology in laboratory for those students who are specially interested in Ophthalmology.

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

FRANCES J. HEATH, M. D., Professor of Obstetrics and Head of the Department.

Instruction in Obstetrics and Gynaecology is given in the third, fourth and fifth years. In addition to the required work outlined below, an elective major course is open to students of the fifth year who have satisfactorily qualified for advanced work.

Obstetrics 1. 1st and 2nd semesters, 3rd year, 64 hours.

Lectures, demonstrations and recitations twice weekly throughout the 1st and 2nd semesters of the third year. The general principles of Obstetrics are considered and special attention is given to the physiology and pathology of pregnancy and the puerperium.

Obstetrics 2. 2nd semester, 3rd year, 16 hours.

Demonstrations once weekly throughout the second semester of the third year, using the manikin and cadaver to elucidate the technique of obstetrical examination, diagnosis, and of the various operative procedures.

Obstetrics 3. 1st and 2nd semesters, 3rd year, 64 hours.

Clinical instruction is given to sections of the third and fourth classes, embracing experience in pelvimetry, prenatal care, and the examination of pregnant women. Work is divided between out-patient department, wards, and delivery room.

Gynaecology 1. 1st semester, 4th year, 32 hours.

Lectures and recitations twice weekly during the first semester of the fourth year. Special attention will be given to the pathology of those diseases most frequently encountered in China.

Gynaecology 2.

Sections of the third and fourth year classes will be given work in the out-patient department and in the wards. The students will attend operations and keep notes on cases assigned for study.

Gynaecology-Obstetrics 1.

A weekly lecture clinic is given throughout the third and fourth years by members of the staff. Students are required to co-operate in the presentation of histories and the

discussion of diagnosis and treatment. Especial emphasis is laid on symptomatology and differential diagnosis, and opportunities are given to confirm diagnoses with laboratory specimens.

Gynaecology-Obstetrics 2.

Sections of the fifth year class are given opportunity to act as clinical clerks in the wards caring for patients under supervision of the staff. They will keep accurate records of the history and progress of patients, perform necessary laboratory work, assist with operations, and take charge of normal deliveries.

All inquiries and requests for further information regarding the School of Medicine should be addressed to:

THE DEAN

SCHOOL OF MEDICINE

SHANTUNG CHRISTIAN UNIVERSITY

TSINAN

UNIVERSITY HOSPITAL

Adjoining the School of Medicine is the University Hospital and Dispensary, with a frontage of 400 feet. The Hospital, which was erected in 1915, provides accommodation for 105 patients. Funds are now in hand for a new hospital of 200 beds. When completed, the present hospital will be used for additional out-patient accommodation. The Out-patient Dispensary consists of a central waiting room, with consulting rooms for the different departments and a laboratory for routine examinations, and operating rooms for surgical and ophthalmic out-patients. The Department of Roentgenology is also situated in this building.

The Management of the Hospital is under the direct control of the Faculty of the School of Medicine.

TRAINING SCHOOL FOR NURSES

In connection with the University Hospital a Training School for Nurses was established in 1915, and now contains some 50 men and women student nurses, who are under the direction of the Superintendent and her associates.

The School is registered under the Nurses' Association of China. The nurses receive practical instruction in the wards, and attend special classes in the subjects prescribed by the Nurses Association of China. The course covers a period of four years, and those who pass the examinations receive the Association diploma, in addition to the one given by the School.

Communications relating to the Training School for Nurses should be addressed to The Superintendent of the Nurses' Training School, Shantung Christian University, Tsinan.

UNIVERSITY MIDDLE SCHOOL

The University Middle School was organized in 1926 in order to take the place of and to do more adequately the work of the Sub-Freshman Class in preparing students to enter the University and also to provide opportunities for observation and practice teaching in connection with the Department of Education.

Boys, only, are admitted as regular students because of the limited dormitory space, but girls who are enrolled in the University may elect classes in the Middle School. The Middle School is kept quite distinct from the University in every way, having its own dormitories, recitation rooms, playground, and school life. The enrollment (senior middle school) in 1928 is 47. For further information, address the Principal.

EXTENSION DEPARTMENT

The work of the Tsinanfu Institute is a continuation of that commenced in Tsingchowfu in 1887 and transferred to Tsinanfu in 1904. It was incorporated with the University in 1917 on the occasion of the removal of the School of Arts and Science and the School of Theology to Tsinanfu. It represents the direct influence of the University on social, educational, and evangelistic lines upon all sections of Tsinan and its vicinity, as well as over a wide area beyond, especially upon the educated and student classes. The work of the Institute is carried on mainly through its extensive museum exhibits, distribution of literature, and through the medium of public lectures and addresses.

The museum collections include: historical charts and diagrams, models on transport and communication, apparatus and diagrams illustrating practical scientific applications, diagrams and models giving elementary instruction in physiography, geology, astronomy, natural history, and other lines of scientific and economic interest. Special sections are given up to models on afforestation, and to the subject of hygiene and the prevention of disease.

The three main buildings of the Institute are the Museum and two Lecture Halls, the larger seating five hundred. Not infrequently the latter hall has to accommodate over a thousand people, all standing space being occupied.

There are also reading rooms, library, reception rooms, workshops, and assistants' rooms. A separate department is the department for students of the local government colleges. The Institute reports a total of 400,000 visits for the past year.

The public lectures of the Institute include lectures on afforestation, hygiene, western education, the Panama Canal, the Red Cross, etc., etc. Some of these lectures are repeated to different audiences throughout the city and suburbs.

The teaching staff and students of the University find ample opportunity for meeting people of all classes in the buildings of this department. A large number of the staff and the senior students have taken part in its work in giving lectures and evangelistic addresses.

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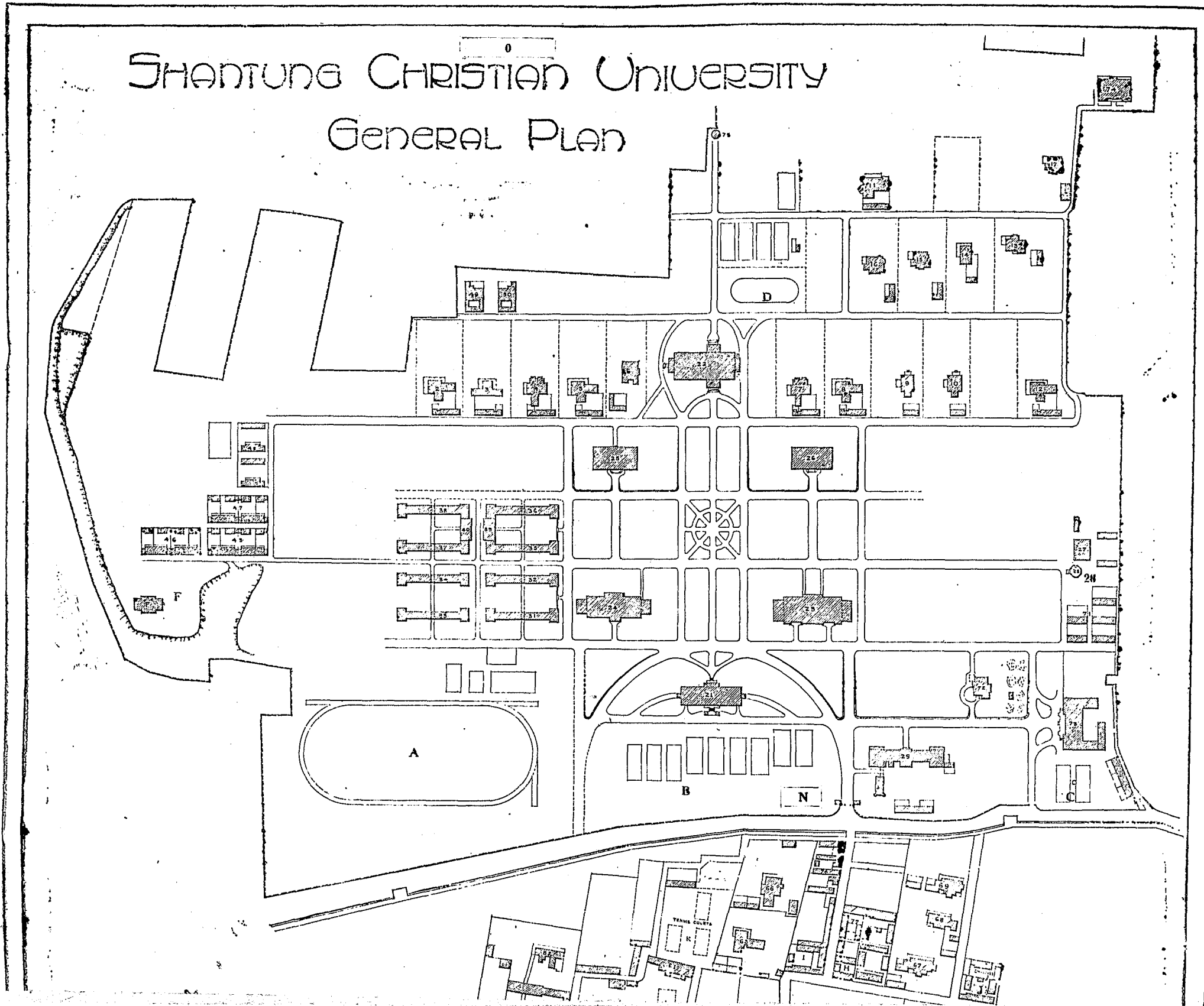
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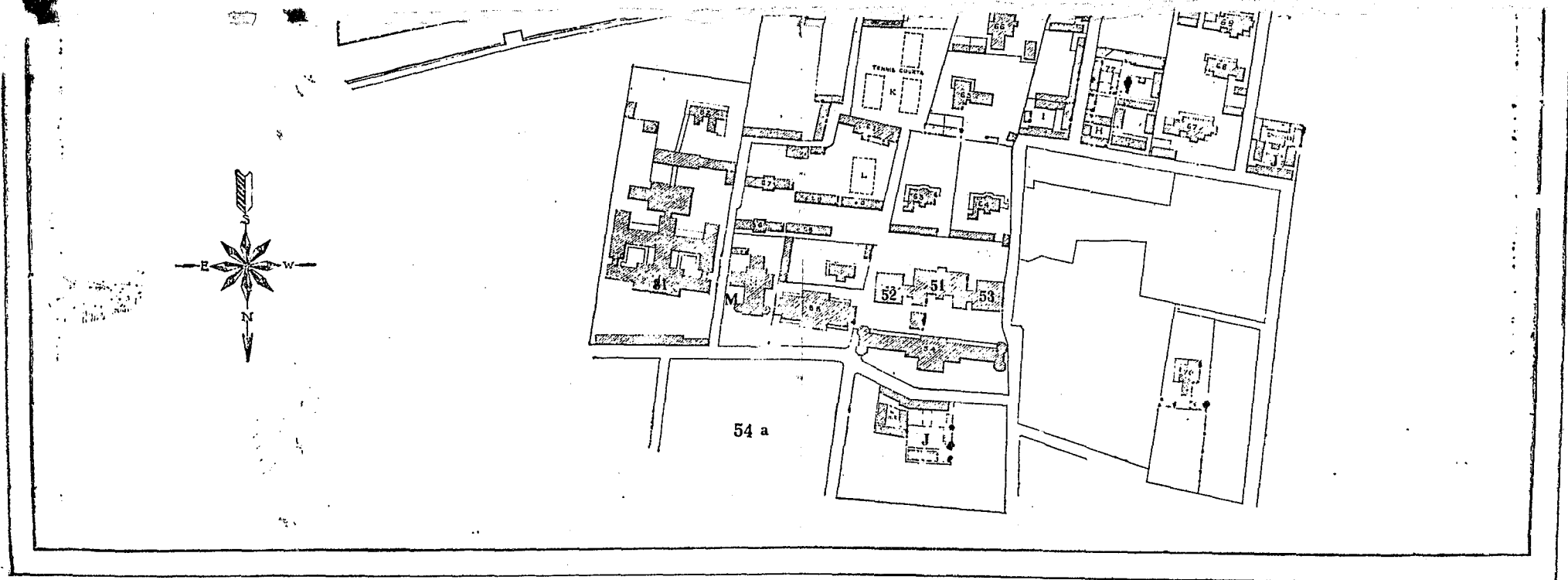
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SHANTUNG CHRISTIAN UNIVERSITY

General Plan





GENERAL PLAN OF SHANTUNG CHRISTIAN UNIVERSITY

(Scale, 0.0003 per meter)

- | | | | |
|---------------|--|--------|--|
| Nos. 2 to 19 | Residences, Foreign Style. | No. 71 | Residences for Employees. |
| No. 21 | McCormick Hall, (Administration Building). | No. 72 | Residence, Foreign Style. |
| No. 22 | Kumler Memorial Chapel. | No. 73 | Dormitory, Women Students. |
| No. 23 | Bergen Hall, (Chemistry, Biology, Classrooms). | No. 74 | School for Foreign Children (not University property). |
| No. 24 | Calvin Mateer Hall, (Physics, Classrooms). | No. 76 | Home for Women Nurses. |
| No. 25 | Augustine Library. | No. 77 | Home for Men Nurses. |
| No. 26 | Gotch Robinson School of Theology. | No. 81 | Arthington Institute (Extension Department). |
| No. 27 | University Power Plant. | No. 82 | Residence, Foreign Style. |
| No. 28 | Water Tower. | A | University Athletic Field. |
| No. 29 | St. Paul's Hostel. | B | Tennis Courts for Students. |
| No. 30 | St. Paul's Chapel. | C | Tennis Courts for Women Students. |
| Nos. 31 to 40 | Dormitories and Commons, Arts and Theological Students | D | Faculty Tennis Courts and Children's Playground. |
| Nos. 45 to 48 | Follansbee Village (Chinese style residences). | F | Ch'i Ming Kindergarten (not University property). |
| Nos. 49 & 50 | Residences, Bungalow Style. | H & I | Faculty Residences (rented Chinese houses). |
| No. 51 | Main Hall, School of Medicine. | J | Employees Residences (rented). |
| Nos. 52 & 53 | Laboratory Wings, Medical School. | K | Tennis Courts for Students. |
| No. 54 | University Hospital. | L | Basketball Court for Students. |
| No. 54 a | New Hospital Site. | M | Chinese Church (not University property). |
| No. 55 | Out-Patient Dispensary. | N | Lighting Station |
| Nos. 56 to 62 | Dormitories and Commons, Medical Students. | O | Hospital for Lepers |
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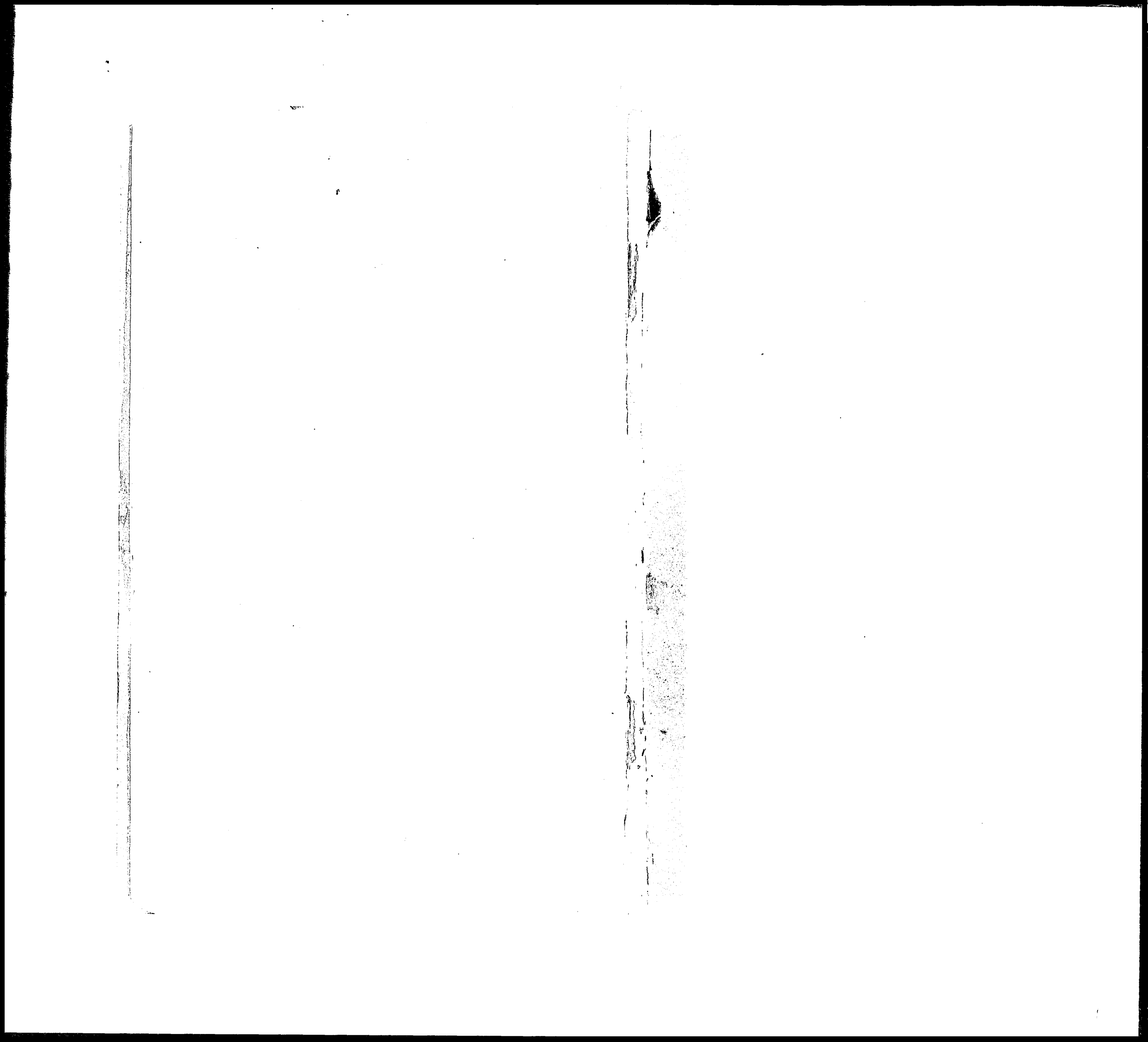
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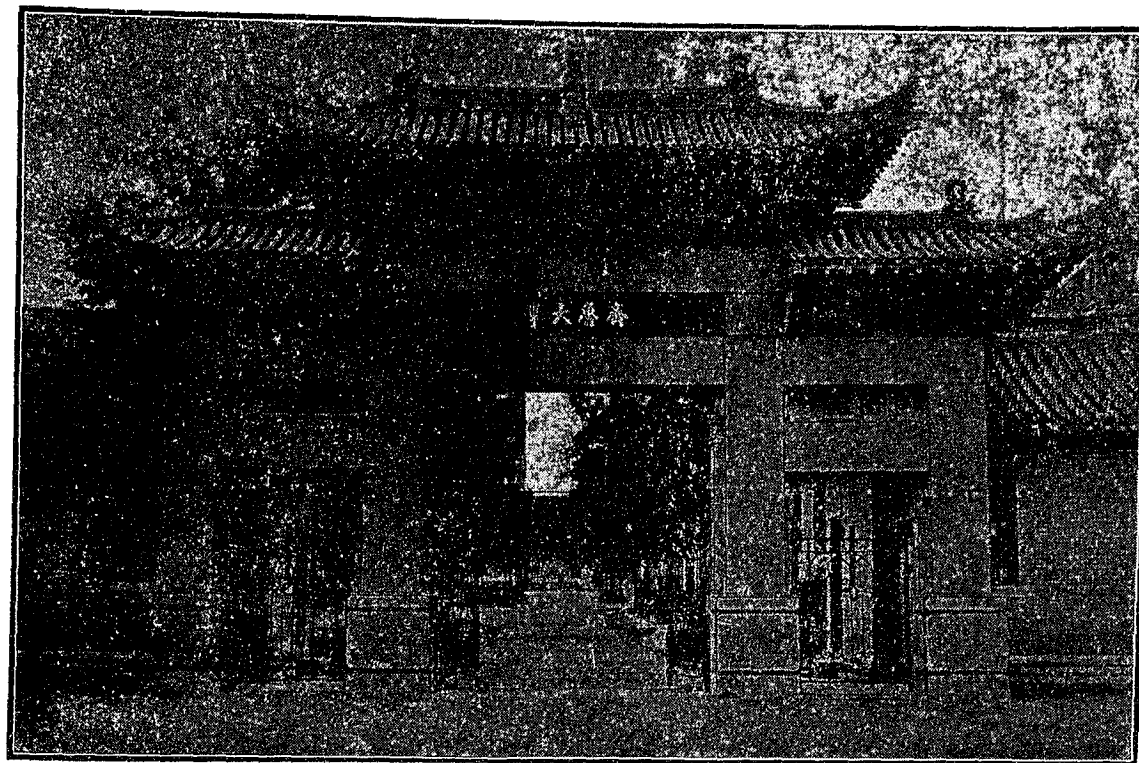
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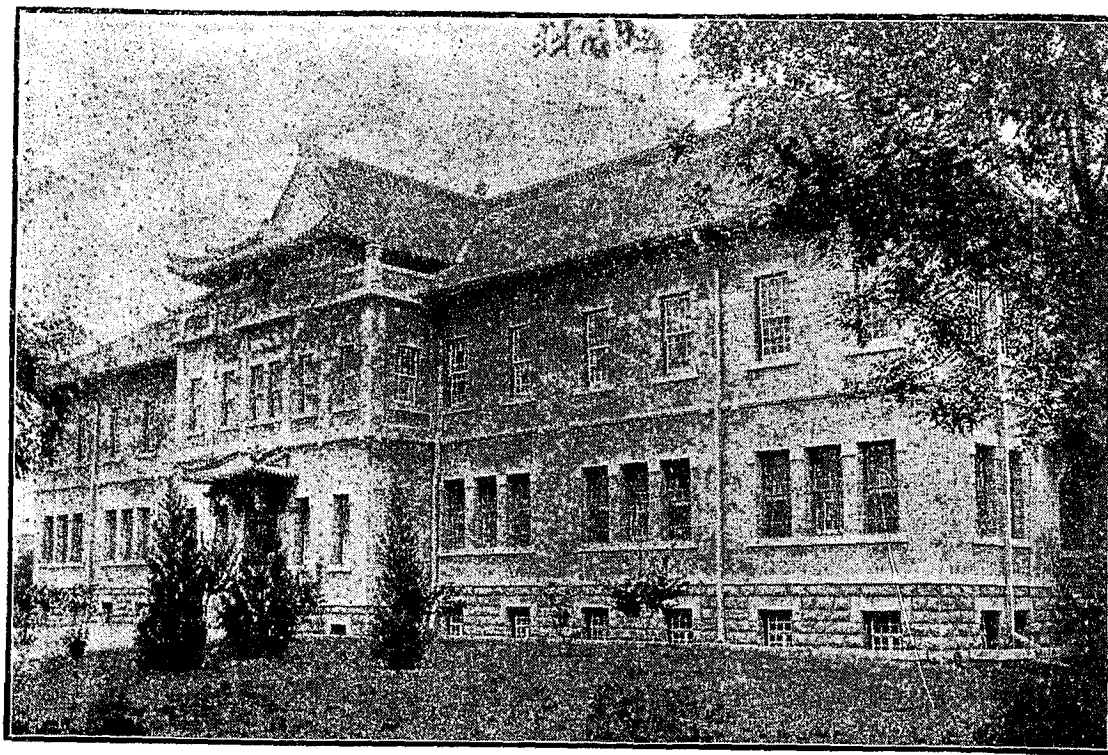
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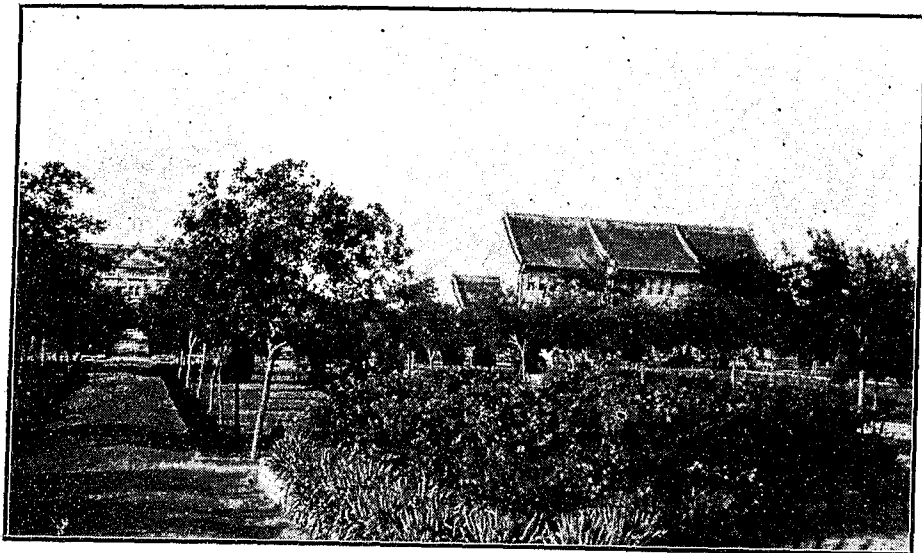
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THE ALUMNI GATE



MCCORMICK ADMINISTRATION HALL



CAMPUS LOOKING NORTH



WOMEN'S DORMITORY

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UNIVERSITY CALENDAR

1928 - 1929

1928	
Jan. 2	New Year Holiday.
Jan. 18	Fall Semester closes. Graduation exercises.
Jan. 22	Chinese New Year.
Feb. 6	English placement examination and physical examination for all new students.
Feb. 8	Spring Semester opens. Registration and payment of fees, all Schools.
Feb. 9	Classes begin.
April 6	Good Friday.
April 4, 5, 6	Ch'ing Ming Holidays.
April 28	University Field Day.
May 9	National Holiday.
June 1	Last day for receiving applications for July entrance examinations.
June 13	Spring Semester closes. Graduation exercises.
June 20, 21, 22	Entrance examinations to School of Medicine.
July 2, 3, 4	University entrance examinations at Tsinan and other centres.
July 4	University Summer Session opens.
August 1	University Summer Session closes.
Sept. 5, 6, 7	University entrance examinations at Tsinan only.
Sept. 10	English placement examination and physical examination for all new students.
Sept. 12	Fall Semester opens. Registration and payment of fees all Schools.
Sept. 13	Classes begin.
Sept. 28	Autumn Festival.
Oct. 10	Confucius birthday.
Oct. 9, 10, 11	National Holidays, Inter-Middle School Meet.
Dec. 24, 25, 26	Christmas Holidays.
1929	
Jan. 1	New Year Holiday.
Jan. 16	Fall Semester closes.
Feb. 10	Chinese New Year.
Feb. 18	English placement examination and physical examination for all new students.

Feb. 20	Spring Semester opens. Registration and payment of fees, all Schools.
Feb. 21	Classes begin.
Mar. 29	Good Friday.
April 4, 5, 6,	Ch'ing Ming Holidays.
April 27	University Field Day.
May 9	National Holiday.
June 1	Last day for receiving applications for the July entrance examinations.
June 26	Spring Semester closes Graduation exercises.
July 1, 2, 3,	Entrance Examinations to School of Medicine.
July 1, 2, 3,	University entrance examinations at Tsinan and other centres.
July 10,	University Summer Session opens.
August 7	University Summer Session closes.
Sept. 16	English placement examination and physical examination for all new students.
Sept. 18	Fall Semester opens. Registration and payment of fees, all Schools.

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Instructor in Sociology and Economics

GENERAL INFORMATION

HISTORICAL NOTE

Shantung Christian University, which was founded in 1904, represents one of the largest attempts at co-operative work in higher education on the part of Christian Missions in any part of the world. Thirteen Missionary Societies* from Great Britain, the United States, and Canada take a share in its maintenance, whilst it has also received generous assistance from the China Medical Board of the Rockefeller Foundation, the Shantung Provincial Assembly, and from other sources.

Although the University has occupied its present site for only the last ten years, its origin extends back to the educational work commenced in the east of the province as early as 1864 by the well-known American Presbyterian missionary, the Rev. Calvin W. Mateer, D. D., in which the Rev. Watson M. Hayes, D. D., also took a prominent part, and which led to the establishment of the Tengchow College. This College was removed to Weih sien in the year 1904, under the presidency of the Rev. Paul Bergen, D. D., and at the same time the English Baptist Mission, which had carried on successful educational work in Shantung for many years under the direction of the Rev. J. S. Whitewright, the Rev. Samuel Couling, and the Rev. J. Percy Bruce, entered into union with the American Presbyterian Mission. From that union the Shantung Christian University had its birth.

For several years the united missions carried on a School of Arts and Science in Weih sien, a School of Theology at Tsingchowfu, and a School of Medicine in Tsinan; but as the result of energetic efforts on the part of the Rev. H. W. Luce and others, funds were subsequently secured for the transfer of the Arts and Science, and Theological Schools to Tsinan, where the whole University was assembled in 1917.

*These are as follows:

Great Britain: Baptist, Anglican (S. P. G.), London, Wesleyan, Wesleyan (Woman's Auxiliary), and English Presbyterian Mission.

United States: Presbyterian North, Presbyterian South, American Board, Methodist Women's Foreign Missionary Society, Methodist Episcopal Mission, and Church of the Brethren Mission.

Canada: United Church of Canada Mission.

Large extensions were also made to the buildings and staff of the Medical School by means of a grant of G. \$200,000 from the China Medical Board, who transferred to the School the three lower classes then studying in the Peking Union Medical College. At the same time (in 1916-17), acting on the recommendation of the Council on Medical Education of the China Medical Missionary Association, the Medical Department of the University of Nanking and the Hankow Union Medical College were amalgamated with the School of Medicine of the Shantung Christian University, and their students and certain members of their faculties transferred to Tsinan.

Another important addition to the University was made in the same year when the Tsinanfu Institute and Museum, founded in 1904 by the Rev. J. S. Whitewright of the English Baptist Mission, became incorporated in the University as its Extension Department.

In 1923 the sphere of the University was still further extended by the amalgamation of the School of Medicine with the North China Union Medical College for Women, Peking. Five members of the staff of that college, together with the student body, were transferred to Tsinan during the following months, and since that time all three schools of the University have been placed upon a co-educational basis.

CHARTER OF INCORPORATION.

The University is incorporated in the Dominion of Canada, a special Act having been passed by the Senate and House of Commons in 1924, and receiving royal assent on July 19th of that year (see pages 1-5). This Act has conferred upon the University the authority to grant such credentials and degrees, including honorary degrees, as are in accordance with the laws of China.

REGISTRATION

The University has complied with all regulations necessary for registration with the Chinese Government, and awaits the full approval of its supporting and governing bodies before taking the final steps.

PURPOSE AND SPHERE.

The main purpose of the University, as expressed in its By-laws, is "The advancement of the Kingdom of God through higher education of

a distinctly Christian character, with a view to developing a capable and consecrated leadership for the Christian church and community in China.

With this object the University maintains the following departments:—

School of Arts and Science, the chief objective of which is the preparation of well-trained teachers. This school offers a four-year College course, including a choice of subjects from various selected groups. It also provides Pre-Medical and Pre-Theological instruction for students planning to enter the Schools of Medicine and Theology.

School of Theology, for the preparation of well-trained ministers, evangelists, and other religious workers. The ordinary course consists of four years, the first year of which is spent in the School of Arts and Science. There is also a special post-graduate course of three years prepared for those who have already graduated in Arts.

School of Medicine, for the training of such students as have already completed a Pre-Medical course of at least two years, either in the special Pre-Medical Department of the School of Arts and Science or in some other institution of equal standard.

University Hospital, with attached Nurses' Training School for both men and women nurses, and a Hospital for Lepers.

Extension Department, for the cultivation of social and religious contact with the people of the city and district. This Department is carried on through the use of public lectures, evangelistic addresses, models, graphic charts, etc., and is visited by nearly half a million people annually.

University Middle School, for the Preparation of students to enter the University and for observation and practice teaching in connection with the Department of Education.

MEDIUM OF INSTRUCTION.

The Chinese (Mandarin) language is the main medium of instruction throughout all the schools of the University, students being encouraged to assimilate all branches of knowledge in their own tongue. At the same time, English is a required subject at the entrance examination

and throughout the curriculum. The use of English text-books and reference books is encouraged, and such students as show an adequate knowledge of English elect certain courses which are taught through that medium of instruction.

LOCATION AND BUILDINGS

The University is situated on a large campus of nearly one hundred English acres, in the south suburb of Tsinan; the Medical School, Hospital and Extension Department being just within the suburb wall, in contact with a well-populated residential district, whilst the remainder of the University is on an adjoining site outside the wall, close to the southern hills.

The buildings and equipment, which represent gifts to a value of over \$1,500,000 Mex., from friends in the United States, Great Britain and Canada, include the following:—

McCormick Administration Hall
 Kumler Memorial Chapel
 Calvin Mateer Science Hall
 Bergen Hall
 Gotch-Robinson School of Theology
 Augustine Library
 School of Medicine
 University Hospital
 Arthington Institute (Extension Department.)
 Hospital for Lepers

The Science Halls and Medical School include a large number of laboratories, fitted with modern equipment, and with apparatus for the individual use of students; the University Hospital, which was erected in 1915, is also furnished throughout on modern lines.

The Extension Department (formerly known as the Tsinan Institute and Museum) contains a great many self-explanatory models and charts, illustrating religion, natural history, astronomy, ethnology, hygiene, etc.; and giving practical instruction in such measures as are being employed in all parts of the world for the physical improvement and the mental and spiritual enlightenment of humanity. Two lecture halls, one capable of accommodating 500 people, are in constant use.

The dormitories for the men students of the Schools of Arts and Science, and Theology are situated on the east side of the main campus, and arranged in courts, each student having a separate room. The Medical dormitories are located inside the suburb wall, adjoining the School of Medicine, and are arranged for two students per room. The dining-rooms are connected with the dormitories and are under the entire control of students' committees.

The dormitory for women students is situated in the north-west corner of the campus, including rooms for some of the women teachers. This portion of the University grounds has been set apart for women students, and includes their own recreation grounds and staff residence.

Other residences for the teaching staff are situated both within and without the suburb wall; whilst beyond the eastern dormitories a group of Chinese houses, known as the Follansbee Village, has been developed, in accordance with Chinese ideas, for the accommodation of a portion of the Chinese staff.

THE AUGUSTINE LIBRARY

The Augustine Library, which was built for the University by the generous gifts of the Augustine Presbyterian Church, Winnipeg, consists of a large reading-room, stack-room, and various associated offices, together with smaller rooms for newspapers and for department seminars. The Library possesses a total of about 24,000 volumes, of which 12,500 are in Chinese, and 12,000 in English, and regularly receives about fifty English periodicals and about twenty Chinese journals.

Within the past few years it has received generous gifts from the Carnegie Institute of Washington and from other sources, whilst the beginning of a special collection of books on China has been made possible through the generosity of Mrs. T. B. Blackstone. A branch Medical Library has also been established in the School of Medicine, in which are over two thousand books, and which regularly receives about forty medical journals.

The Library is under the supervision of a trained librarian, and is open during the day and in the evenings for the convenience of students.

COLLEGE ORGANIZATIONS AND STUDENT ACTIVITIES

Students' Self Government. For the last few years the control of the Commons has been in the hands of the students themselves, who elect their own committees and officers, and appoint their own assistants. The sphere of self-government has now been considerably extended, so as to include matters connected with dormitory discipline, and the general maintenance of cleanliness and order in the students' quarters. The Student Self-Government Council also acts as a means of self-expression of the whole student body, and as a coordinating link with the faculty.

Athletics. The University possesses its own athletic track, football fields, tennis courts, basketball courts, volley ball courts, and baseball grounds, which are under the control of a special Athletic Association consisting of representatives of the student body and of the staff. Physical exercise is required of all students of the University except those who are exempted on medical certificate, and a full-time physical instructor devotes himself to this important branch of education. During the past years the University has secured several notable successes in athletic meets in China. An annual Track Meet for the students of the University is held every spring, and a Provincial Inter-Middle School Meet is organised by the University on the occasion of the National Holiday (October 10th).

Medical Inspection. Every student in the University is given a thorough physical examination annually by the University Health Officer and his associates, and careful records are kept of the physical condition of each student and of any elements of weakness requiring supervision. The fact that the University Hospital and Out-Patient Dispensary form part of the University makes it possible for all students to obtain expert medical advice, whilst cases needing special treatment or nursing are cared for in the hospital wards.

Religious Life. Apart from the regular Morning Chapel and the University Service on Sunday mornings, the religious life of the student body largely centers in their own Christian Associations in each of the three Schools and in the School for Nurses. The young women students have their own Association. These associations have been federated so that united action and service might be facilitated. Besides these associa-

tions there is a Student Volunteer Band, and some devotional groups which have sprung up spontaneously. The students' religious activities include meetings for inspiration and prayer, Bible study groups, social service work, evangelistic addresses in the hospital wards and Extension Department, teaching and singing in the Sunday-schools and churches of the city, and attendance at summer conference. The custom has been started of having an annual retreat for the leaders of the student body. At these retreats, which are held on a nearby mountain, the chief concern has been the problem of developing a unity of Christian spirit among the students, who come from many different parts of the country and speak many different dialects.

Attendance on religious instruction and religious services is voluntary, the University believing that with students of college age compulsion in matters of the spirit defeats its own aims.

A required course in the Backgrounds of Civilization emphasizes the important part which religion has played in the history and growth of mankind and presents many of the ethical and factual elements of the usual courses in religious instruction.

The University Choir. The University Choir is composed of men and women students and faculty members from all departments of the University. There are regular weekly meetings for practice. The choir helps to lead in the worship at the Sunday morning service, and the members from the Arts and Theological Colleges assist with the music of the daily chapel services. This organization gives an opportunity for a musical training and service which will be of great value to the members when they enter other communities which need this special form of service.

The English Clubs. With the multiplication of activities and courses carried on through the medium of the English language there has been a corresponding increase in the student interest in this subject. An outlet for those who wish to practice their attainments in this language is offered by the two bodies known as the Upper English Club and the Junior English Club, organized in 1924. The former includes students in the senior courses and the latter those in the junior and Pre-Medical courses. Members of the staff of the English Department act as advisors, but the responsibility for the preparation of programs and the administration of club affairs depends on the student officers. The English Clubs aim not only to assist the work of formal instruction in the Department

of English, but also to act as a unifying influence among the various groups and schools of the University.

The Natural Science Association. The Natural Science Association draws together students in Arts and Science who are specializing in biology, chemistry, and physics, as well as students in medicine and pre-medicine. The aim of the Association is to supplement class-room activities and to provide greater opportunity for student initiative in the preparation of reports and in simple scientific investigations. Monthly meetings take the form of lectures by outside speakers and reports by student members. The Association also gives its attention to the writing of articles of popular scientific interest, and offers annual prizes for the best reports on selected topics of current interest.

Other Extra-curriculum Activities. A large number of other extra-curriculum activities are organized and conducted by the students. These for the most part take the form of social or religious service, such as the conducting of regular Night Schools for the children of the district and for the University employees; the holding of Daily Vacation Bible Schools in various centers during the summer holidays, and the like. The Extension Department, with its convenient social rooms and large crowds of visitors, affords unrivalled opportunity for all forms of service which brings the students into direct contact with the community. A Social and Religious Rural Center is conducted at Lung Shan, distant forty five minutes by train from the University, and many forms of community service are carried on there.

A General University Assembly is held each week at which various members of the faculty discuss topics of popular and general interest, and from time to time special lectures are arranged for the whole student body, as opportunities are provided by the visits of educational and religious leaders from other parts of China or from the West.

THE ALUMNI ASSOCIATION

The University Alumni Association was organized at a meeting held in Weihsien November 4th, 1916. Graduates of any of the three Schools of the University, and of the former colleges at Tengchow, Tsingchowfu, and Weihsien, from which the University has been formed, are all considered as members of the Association. At the present time the alumni of the University are more than twelve hundred in number.

The Alumni Association has shown unusual interest and activity in recent years. Perhaps the most conspicuous of its achievements has been the erection of the beautiful Alumni Gateway, which was formally presented to the University on June 17th, 1924. The present officers of the Association are:—Rev. Yee Hsing Lin, President; Mr. Ch'in Yao-T'ing, Vice-President; Mr. T'ien Hsi-Ching, Recording Secretary; Mr. Wu Chin-Ting, Corresponding Secretary; and Mr. Chao Hsi-Hsiu, Treasurer.

The Association elects three members of the University Field Board of Managers, its present representatives being,—Mr. Sung Hwei-Wu, Rev. Yee Hsing-Lin, and Mr. Chang Ta-Ch'en.

ACCREDITED MIDDLE SCHOOLS

For the purpose of organizing and administering the accrediting system and of setting and grading examinations for entrance to the University, there is organized a Council on University Entrance. This Council is composed of four representatives from the University, three representatives from the Shantung Board of Christian Education, and one each from any other provincial Christian Education Association or Board which may wish a place on this Council.

I. Regulations governing the recommendation of students

a. The principal or headmaster of a middle school which has been accredited by the Council on University Entrance may recommend for admission to the University without examination those of his graduating students whom he believes to be well qualified, in character and ability, to do college work, provided that only those students be recommended whose records in the senior middle school place them well above the average for their own class.

b. The recommendation of a student will usually cover all of the subjects taught in the middle school, but in cases where an otherwise high grade student has only medium grades in not more than two of the major subjects of the middle school curriculum, the principal may present the candidate for admission to the university upon condition that he pass the regular entrance examination in those subjects in which he is not recommended.

II. Regulations for Accrediting Middle Schools

- a. Schools desiring to be accredited shall make formal application to the Council on University Entrance. This application will be followed by an inspection of the school by the Council. The expenses for travel of the first inspection shall be borne by the school. Expenses of inspections of already accredited schools will be borne by the Council.
- b. The Council may require any accredited school to present in any year a statement showing the condition of its staff, equipment, etc., as well as copies of the final examination questions used in the last year of the senior middle school together with the results of those examinations. An inspection of the school may also be made in any year.
- c. University records of first year students will be considered as prime evidence of the standing of middle schools and of their success in meeting standards. Only on condition that a school continue at a high standard, as shown by its statements, by inspection, and by the work of its students in the first year of the university, will it be accredited without interruption.
- d. The Council aims to accredit only those schools which are meeting the standards of organization, teaching force, scholarship, equipment, achievement of pupils, and esprit de corps to such a degree as will unhesitatingly commend themselves.
- e. A Middle School which is accredited by one of the other universities in China, may apply for the privilege of recommending its students to this university without examination. This privilege may be tentatively granted pending the fulfillment of certain requirements and the determining of the degree of success of students from that school in their first year at Cheeloo.

The accredited schools for the year 1927-28 are: Wen Hua, Weihsien; Ch'ung Shih, Hwanghsien; Po Wen, Tehchow; Ts'ui Ying, Taian; Ch'ung Shih, Peking; Pei Man, Peking; Hui Wen, Peking; Lu Ho, Tunghsien; Ming Hsien, Taiku; Wen Teh, Tsingtau and the University Middle School, Tsinan.

D E G R E E S

The Degrees of Bachelor of Arts and Bachelor of Science are conferred upon students of the School of Arts and Science who have fulfilled the following requirements:

1. a. Candidates for the Degree of Bachelor of Arts shall have majored in Chinese, Education, English, History and Political Science, or Sociology and Economics and shall have completed the subject requirements in the major and minors chosen.

b. Candidates for the Degree of Bachelor of Science shall have majored in Biology, Chemistry, Mathematics and Astronomy, or Physics and shall have completed the subject requirements in the major and minors chosen.
2. The basic subject and group requirements in Chinese, English, History and Education shall have been fulfilled,—16 semester hours in Chinese, 16 semester hours in English, 12 semester hours in Education, and 8 semester hours in History.
3. One hundred and twenty-eight semester hours of credit, normally distributed through a four year course, shall have been received.
4. An average grade ratio of .75 shall have been received in the subjects studied in the last two years of work.
5. The conduct of the student shall have been satisfactory and all his obligations to the School in matters of fees, records, etc. shall have been met.
6. The candidacy of students wishing to qualify for a degree shall be considered by the Committee on Graduation after having received the report of the Registrar and the recommendation of the Department concerned, and shall be presented to the Faculty for their confirmation not later than one month before the date set for graduation.
7. Students coming to this University with advanced standing must be in residence at least two years in order to qualify for the Bachelor's Degree.
8. Each candidate for graduation shall be required in his final year of study to do some independent work or to take a seminar along the lines of his major course. This shall normally be reported in written form and shall receive credit—not to exceed four hours—towards grad-

uation, and shall be under the supervision and guidance of the department concerned.

Previous to June, 1928 a diploma has been in certain cases awarded to students graduating from the School of Arts and Science, but after that date the degree of B. A. or B. Sc. will be the only official recognition of graduation.

The Degree of Bachelor of Medicine is conferred upon graduates of the School of Medicine who have fulfilled the following requirements:

1. Given evidence of good moral character.
2. Have graduated from a six-year middle school of standard grade or have done equivalent work.
3. Have studied two years in a recognised institution of college grade, including 20 credit hours in Chemistry, 16 credit hours in Physics, 12 credit hours in Biology and 12 credit hours in English.
4. Have studied five years of 36 weeks each in a recognised medical school, of which at least the final two years must be in the Shantung Christian University.
5. Must have passed creditable examinations at the end of his fourth year in the courses of study outlined below; his fifth year be spent as a student interne, and at the end of this year he be required to pass a further examination of a clinical and practical nature.

The following is the minimum of time to be allowed to the various courses, including laboratory and clinical work:—

<i>Anatomy, Histology and Embryology.</i>	640 hours.
During this period the student must himself dissect at least one half a human cadaver.	
<i>Physiology and Physiological Chemistry.</i>	436 hours.
<i>Pharmacy, Pharmacology and Materia Medica.</i>	240 hours.
<i>Pathology, Bacteriology and Hygiene.</i>	520 hours.
Including attendance upon at least 12 autopsies.	
<i>Medicine, including Pediatrics, Neurology,</i>	
<i>Dermatology and Syphilis.</i>	880 hours.
<i>Surgery, including Orthopaedics, Urology,</i>	
<i>Ophthalmology, Otolaryngology and Roentgenology</i>	648 hours.
<i>Obstetrics and Gynaecology.</i>	272 hours.
Including attendance upon at least six maternity cases.	

6. The student must satisfy the faculty not only that he has technical ability but also that he shows diligence and faithfulness in the discharge of his duties; and that he maintains a proper attitude towards his patients.

Previous to 1924, students who graduated from the School of Medicine were granted the Diploma of the University. Since being granted a charter by act of the Parliament of Canada, the University is authorised to confer the usual degrees, and in consequence both diplomas and the degree of M. B. have been awarded on graduation. After June 1928, however, the degree of M. B. will be the only official recognition of graduation.

The Diploma in Theology is conferred upon graduates of the School of Theology who have completed a four year course, subsequent to matriculation, of which the first year shall be spent in the School of Arts and the remaining three years in the School of Theology.

The Degree of Bachelor of Theology is conferred upon graduates of the School of Theology who have, in addition to the regular four year course, passed the intermediate and final examinations in theology, which are given at the end of the third and final semesters of study, respectively. The intermediate examination consists of one paper in each of the following subjects: Old Testament, New Testament, Religion and Ethics, and Religious Education. The final examination consists of one paper in each of the following subjects: Old Testament, New Testament, Theology; and two papers selected from the following: Religion and Ethics, Church History, and Religious Education or Practical Theology.

The Degree of Bachelor of Divinity is conferred upon Bachelors of Theology and Bachelors of Arts and Science who fulfill the following requirements: The former shall complete a further year of study under the direction of the faculty, submit a thesis, and show a good reading knowledge of English. The latter shall complete the three year undergraduate course in the School of Theology, pass the intermediate and final examinations, and undertake such seminar work as shall require ability to understand and criticise theological literature written in English.

Candidates for the Diploma in Theology and the Degrees of Bachelor of Theology and Bachelor of Divinity, who have pursued part of their studies in other institutions, shall present satisfactory

evidence of having done work corresponding in grade and amount to that of this University. Of the student's course of study, at least the final year shall be spent in this institution.

Former Graduates. Alumni who graduated before 1925 shall be eligible for a degree in the various schools after a special course of one year in residence and the completion of such examinations, theses, or other work as are called for by the requirements of the School concerned.

In the case of graduates unable to reside at the University, a syllabus of work, such as would be required during a year of residence, may be prepared for each applicant by the Faculty of the School concerned and approved by the Senate, and suitable arrangements made by which an examination or thesis or both shall be required of the candidate on the basis of such work, it being understood (1) that application be made before July 1928, and (2) that such applicant be first approved by the said Faculty and Senate.

Alumni who graduated before 1925 and who can produce evidence satisfactory to the Faculty and Senate that since graduation they have completed such work as would be required under these regulations, may by special permission of the Senate, be admitted to examination, or allowed to submit a thesis, without waiting for the lapse of a year.

ENTRANCE REGULATIONS

Admission to University. Admission to Shantung Christian University from middle schools is by the general matriculation examination, or by certificate. In addition, the student's school record for the six years of middle school work must be presented, and the evidence of this record will have considerable weight in his acceptance or rejection. The other method of gaining entrance, by transfer from another college, will be taken up later.

The scholastic work of Shantung Christian University is carried on in three Schools:—the School of Arts and Science, the School of Theology, and the School of Medicine. The work in the School of Arts and Science presupposes six years of middle school work. The entrance examinations are based on this amount of preparatory work, and application blanks should give evidence of this amount. Only under exceptional conditions, carefully stated, will admission be granted to students with less preparation.

The work in the School of Theology presupposes at least a one-year Pre-Theological Course of college grade. This course may be taken in the School of Arts and Science, and it has the same general entrance requirements as the other courses in that School. The work in the School of Medicine presupposes a two-year Pre-Medical Course. This course may also be taken in the School of Arts and Science, and it has the same general entrance requirements as the other courses in that School.

Application for Entrance. Candidates for entrance to any of the Schools or courses of the University are required to present an Application for Entrance, made on the blank forms furnished by the University, which will be supplied by the Registrar. This Application for Entrance is in three parts:—(A) An application blank to be filled out by the candidate; (B) A medical certificate filled out and signed by a qualified physician; and (C) A certificate of the scholastic work and moral character of the candidate to be filled out by the principal or headmaster.

Note: The University is very desirous of helping the supporters of students to keep in touch with them. Letters will be promptly and gladly answered.

All communications regarding entrance to the University should be addressed to the REGISTRAR.

Application for admission (A) must be accompanied by the medical certificate (B), by a photograph of the candidate duly certified by the principal or headmaster of the school last attended, and by the application fee of one dollar. No applicant will be admitted to an examination without a receipt for this fee signed by the Registrar. Application (A) may be sent to the Registrar at any time during the year prior to the date of admission, but at the latest must be filed one month before the time set for the examinations if the applicant intends to take the entrance examinations.

Application (C) should be sent only after the student has finished his middle school course, so that the records therein may be complete.

These Applications for Entrance should be filled out as completely as possible. When there is doubt as to a candidate's admission, considerable weight may be given to his record of specific experience and unusual qualifications. No results of entrance examinations will be reported, or application for admission be approved, until Application (A), (B), and (C), as well as the photograph of the candidate, have been filed in the office of the Registrar.

If the student is to enter by examination, he should be sure to select the two subjects in which, in addition to the three compulsory examinations, he will sit for examination. He should make sure that he has received a receipt from the University for the application fee of one dollar, and that both he and the University know at which centre he will sit for examination and in which subjects he will be examined. If the student is to enter by certificate, he should make sure that the certificate as well as the application blanks are filled out and sent to the University not later than July 30, so that there may be no delays in entrance in case questions arise in connection with these papers.

After the University has accepted the results of the examination and the records on the blanks as satisfactory, and has informed the student of this fact, the student should come to the University at a date early enough to ensure the taking of the University Medical Examination and the English Placement Examination in the week preceding registration, the securing of a dormitory room, and the registration and payment of fees on the prescribed date.

Physical Examination. Sound physical health is essential for efficient University work. It will aid the University and in the end be to the interest of the applicant if the medical examiner, when filling out the

medical certificate, will refuse to pass a student who is not robust enough to pursue a university course of study. For purposes of record, in addition to the Medical Certificate, the University requires each new student to take a medical examination at the University before he registers. New students, therefore, should arrive at the University a few days before the day set for registration.

Intelligence Test. An intelligence test is given all candidates for entrance, whether entering by examination or by certificate. This is not an examination in the subject-matter of the middle school course; it is to test common sense and general fitness for university work, and no preparation is necessary.

Entrance by Certificate. Middle schools which maintain certain high standards will be accredited. A student who has graduated from one of these schools with a high record of achievement, and who presents a certificate from the principal or headmaster stating that he is well qualified in character and ability to undertake university studies, will be received without examination. (see page 21)

In all cases, the usual Applications (A), (B), (C), the fee, and the photograph must be presented. Besides these, a definite certificate of recommendation must be sent by the principal on a form supplied by the Registrar. Students recommended for admission by certificate, but required to take one or two entrance examinations, must take these examinations at the time of the regular entrance examinations, and will not be admitted to the University until these examinations have been passed successfully.

Admission of Women. Women are admitted to the Pre-Medical, Pre-Theological, and Education Courses of the School of Arts and Science, and to the School of Medicine and the School of Theology under the same general regulations and conditions as for the men students. Women will not be admitted unless they can take at least twelve hours of regular work, except in the case of those engaged in teaching, Y. W. C. A. secretarial work, or some other regular outside work which does not allow for more than a few hours of study a week.

Women students, before paying their fees and registering, must get a card from the office of the Dean of Women stating that their place of residence has been approved.

Entrance with Advanced Standing. Students who have satisfactorily completed at least one year of work at a recognized institution of college or university grade may be admitted to such advanced standing as their previous records may warrant. In filing applications for admission with advanced standing, students should furnish a record of their preparation in the middle school and a complete statement of their college work. These records, their certificate of honorable dismissal from the college from which transferring, a medical certificate, a certified photograph, and the usual application fee must be filed one month before the date of registration.

For students received with advanced standing, credits which are transferred from former institutions are subject to revision. Students coming from institutions which have a normal student study load (X) of more than sixteen semester hours are given transfer credits on the ratio of 16 to (X). If during the first year of work here, the student receive a failure or condition in a subject in which advanced credit has been allowed, the advanced credit in that subject shall be cancelled.

Students entering with advanced standing must be in residence at least two years before they can receive the Bachelor's Degree.

Credit for Summer School Work. Properly qualified students taking subjects of university grade in the University Summer Session may register for University credit for work done at that time. For further information see the bulletin of the Summer Session.

Post-Graduate Students. Graduates of recognized institutions of college or university grade will be received for post-graduate work in the School of Arts and Science or the School of Theology on presentation of proper credentials.

Graduates of medical schools are also received for registration in the School of Medicine as special students. They are allowed to attend classes, clinics, operations, etc. on the same conditions as undergraduate students, but it is not possible to arrange special exercises for their instruction. Inquiry may be made of the Dean in regard to terms.

Special Students. Students who do not expect to finish their university course, or who are not working for a diploma or degree, may be received as "Special Students". Each case will be considered on its merits, and such students admitted only by specific action, except that applicants who have graduated from middle school and have taught three years may, without specific action, be admitted as special students in ed-

ucation. The general regulations governing entrance to the University must be complied with. Special students in the Arts College are required to pay a special fee of five dollars each semester.

Transfer of Special Students to Regular Standing. A Special Student who has been admitted to the University without fulfilling the regular entrance requirements as regards entrance examinations, and who later wishes to transfer from special to regular standing or to become a candidate for a degree, must pass the general matriculation examination. This transfer cannot be made later than two years after the student's admission to the University.

A Special Student who fulfilled the regular requirements for entrance at the time of entering and later wishes to transfer from special to regular standing, may do so provided that he receives the approval of the Dean and of his Student Advisor, and that he can arrange his courses of study satisfactorily.

Special Students must follow in general the study requirements of regular students, and must have their study cards approved by their Student Advisor.

Registration. Before the time of Registration (see the University calendar and the Bulletin Board of the University Health Officer) each student must have a physical examination and receive from the Health Officer a card showing this to have been held. This card must be presented to the Registrar at the time of registration.

On Registration Day, the student will get from the Registrar's Office a Directory Card, a strip of Study Cards, Class Cards (one for each class entered), a Payment Slip, and other papers. After making out a Trial Study List, the student should get the approval of his Advisor to this, then copy it on a permanent Study Card, and then procure the signatures of instructors in English, laboratory, or special class sections. After receiving the approval of the Advisor to this, the Study Cards may be all filled in, and then the Class Cards, Directory Card, and Payment Slip must be filled in. The next step is to have these all checked by the clerks in the Registrar's Office, and stamped when correct. Then the cards are to be handed in and all fees paid.

For new students, a most important part of registration is the selection of a major subject. The student's Study List for each semester and his course of study for the four years can only be prepared in consultation with the Student Advisor for his major subject.

In preparing cards, the students should use the Wade system of romanization. A pamphlet showing the proper spelling under this system may be obtained from the Registrar's Office.

Students registering late are charged an additional fee of one dollar a day up to a maximum of three dollars. This fee is not excused when late registration has been approved. Late registration after three days is only on approval of the Dean. No student may be received later than two weeks after the beginning of the term except by special action of the Committee on Admissions.

At the end of the first two weeks, the study lists are considered as fixed. No changes may be made after that date except on the payment of a fee of one dollar.

Each person, whose registration has been completed, will be considered, as regards discipline, a student of the University and subject to the regulations of the University during the period for which such registration is held valid.

ENTRANCE EXAMINATIONS

TO THE SCHOOL OF ARTS AND SCIENCE
INCLUDING PRE-MEDICAL AND PRE-THEOLOGICAL COURSES

Entrance Examinations. The examination admitting to the Freshman Year of the School of Arts and Science and to the first years of the Pre-Medical and Pre-Theological Courses is known as the General Matriculation Examination. This examination is held twice each year.

The first General Matriculation Examination is held on the first Monday of July of each year. Registration for the examination and requests from middle schools for the examination questions must be in the hands of the Registrar not later than June 1st. The Application blanks (A., B.), the certified photograph, and the application fee of one dollar must be filed at the time of registration for the examination. No candidate will be admitted to an examination unless he holds a receipt for the application fee, signed by the Registrar.

This first examination is held regularly at Tsinan in the University buildings, but may also be held at any of the following or other places from which there come a sufficient number of applications: Wen Hua M. S., Weihsien; Ch'ung Shih M. S., Hwanghsien; Po Wen M. S., Teh-

chow; Ts'ui Ying M. S., Taian; Shou Shan M. S., Tsingchow; Yih Wen M. S., Chefoo; Wen Teh M. S., Tsingtau; Ch'ung Shih M. S., Peking; Ming Hsien M. S., Taiku; Hua Chung Shih Fan, Wuchang; P'ei Hsin M. S., Hsuehou; Shanghai College, Shanghai; Ch'ung Shih M. S., Taiyuan; Trinity College, Foochow; P'ei Yuan School, Ch'uan Chou, Fu; Union M. S., Canton.

The second General Matriculation Examination is held one week before the opening of the fall semester. Registration for this examination and all application blanks (A. B. C.), the certified photograph, and the application fee must be filed with the Registrar one week preceding the date set for the examination. This examination is held only at Tsinan at the University. It is not open to candidates for admission who failed in the July examination.

Candidates for admission may not occupy rooms in the University dormitories until they have been given admission certificates. These certificates cannot be given until all the records and papers of the candidate have been received and accepted.

By special arrangement the University of Hongkong Matriculation is accepted in lieu of the General Matriculation Examination of this University.

Regulations for the Conduct of the Examination. Uniform examination paper furnished by the University must be used. The papers will be numbered and no other marks indicating the identity of either the examinee or of his school may appear on the paper.

In examinations in Mathematics or in a subject requiring mathematical demonstrations, and in Essay papers, all the work done must appear on the papers which are submitted to the examiner, and processes as well as results will be considered in fixing the grades.

The language used in the examinations is Chinese, except in the examination in English. However, students whose preparation has been in part in the English language may take the examinations in the Natural Science, Political Science, and Geography Groups in English, provided that they state clearly on their application blanks their desire to do this.

Examination Subjects. Candidates sitting for the General Matriculation Examination are examined in five subjects. Three of these subjects are compulsory and two are elective. The subject-matter on which these examinations are based is described in the syllabus of University entrance subjects (see page 35).

(a) Compulsory Examination Subjects.

1. *Chinese Language and Literature.*

An essay in Wenli of not less than 300 characters is required.

2. *English Language.*

This examination may be waived in the case of Pre-Theological students who are not seeking a degree, but in this case another subject must be chosen from the elective groups so as to make a total of five examination subjects.

3. *General Mathematics.*

This examination consists of practical problems in arithmetic, algebra, geometry, and a little trigonometry.

These compulsory examinations are in the "tool subjects";—the subjects in which a student must be well grounded in order to be able to do University work.

(b) Elective Examination Subjects.

The candidate will choose two subjects from the following list, but not more than one subject from any group. This choice must be made when Application A is filed and should have the approval of the Principal of the school. Pre-Medical candidates are required to choose one of their two elective subjects from the Natural Science Group.

Group A. Natural Science

1. Physics
2. Chemistry
3. Biology

Group B. Political Science

1. Chinese History
2. Western History
3. Civics

Group C. Mathematics

1. Algebra
2. Plane and Solid Geometry
3. Trigonometry

*Group D. Geography**Group E. Religious Education*

A candidate taking an examination in natural science must present his laboratory note-books certified by his teacher and by the middle school principal or headmaster. Notebooks not thus certified will not be accepted. Note-books are credited as 20 percent of the entrance examination, and students not presenting certified notebooks will be marked down 20 per cent in the examination. The examination as well as the notebooks must give evidence that the student has had individual work in the laboratory and that he is familiar with the fundamentals of laboratory technique and physical measurements.

Entrance Examination Grades and Conditions. The grades given in the entrance examinations are A, B, C, C-, D, and E. A is excellent, B is good, C is average, C- is poor, D is not passing, E is failure. A student not passing in one subject may be allowed to enter the University, provided that his grades in other subjects are good, and that his total record (school record and examination record) shows clearly that he is a desirable student. This failure in an entrance examination constitutes a condition. When such a condition is allowed it must be removed by entering a class in that subject the first semester after entrance in the University. The conditioned student must study in this class at least one semester, and shall continue his study until he is able to pass a satisfactory examination and thus remove the condition. No college credit is given for this work of making up a condition. The make-up class will normally be conducted in the University Middle School.

Middle School Subjects Offered for Entrance. A unit of study in a middle school is defined as one 45-minute period of prepared classroom work per week throughout one semester in the junior middle school, or one 50-minute period of prepared classroom work per week throughout one semester in the senior middle school. Two periods of shop or laboratory work and the like shall be considered equivalent to one period of classroom work. The length of a semester should be from eighteen to twenty weeks.

The work of a six-year middle school should approximate 300 units. The University is prepared to recognize for entrance credit any subject having an established place in the middle school curriculum, in which adequate instruction is given, and which produces satisfactory results.

SYLLABUS OF MIDDLE SCHOOL SUBJECTS

The following brief statement will indicate in general the attitude of the University in judging the preparation deemed necessary in entrance subjects. No attempt is made to describe in detail all or any of the subjects which may be included in the middle school curriculum or offered for entrance. The chief purpose of this syllabus is to indicate in general what preparation is necessary for the entrance examinations.

English.

(60 units)

Work in English Conversation should be given at least two recitations a week throughout the six years of middle school. The student's efforts should be mainly devoted to the acquisition and the correct use of a limited vocabulary of every-day spoken English. The vocabulary found in the first four books of the Mastery of English Series is perhaps best suited and most convenient for such a foundation.

English Composition requires at least one or two recitations a week throughout the middle school course. The greater part of the student's time should be given to informal composition of sentences, paragraphs, and short themes. In the senior middle school however, some attention should be paid to the application of the fundamental principles of formal grammar. Among other texts the following are suggested as especially useful: Graybill's "Writing English", Wooley's "Written English", Fong Sec's "Intermediate Composition", and Tseu's "Specimens of Short Essays".

English Literature must be left for the most part to the collegiate course, but an introduction to a few foreign literary models may be given through senior middle school courses, using the collections of short stories or the series of English and American classics adapted to Chinese schools. Rapid sight reading, silent reading, and round-table discussions of these books in the last year of middle school should provide a basis for more advanced study in the University.

Standards for English in the University correspond to those of the "Diagnostic English Mastery Chart" (published by Edward Evans and Sons, Ltd.). The matriculation standard for the freshman class is a 'T' score of 56 or over.

Mathematics.

I. General Mathematics. (10 to 15 units).

General mathematics should consist, in correlated form and with the use of practical and experimental methods, of the fundamental principles of arithmetic, algebra, geometry, and numerical trigonometry. The following topics should be studied:

Linear equations in one unknown;	Simple formulas, meaning and use;
Ratio and proportion;	Negative numbers, meaning and use;
Quadratic equations in one unknown;	Simultaneous linear equations in two unknowns;
Numerical trigonometry, use of sine, cosine, and tangent in the solution of simple problems involving right triangles;	Graphs as methods of representing dependence;
Rational use of significant figures;	Computation with approximate data;
Graphic representation of statistical data;	Variation;
The linear function, $y = mx + b$;	The quadratic function $y = ax^2 + bx + c$;
Graphic solution of problems;	Use of tables in computation other than logarithms;
Empirical curves, fitting curves to observations;	

It is recommended that the middle schools give careful attention to the thorough mastery of these tool subjects and of the mathematical technique which they involve, giving ample opportunity for the ready application of the principles to practical situations and problems.

The scope and character of the course are shown in the following text books: "The New System Series of Correlated Mathematics for Junior Middle Schools", and "Breslich's Mathematics", Books I and II.

II. Advanced Middle School Mathematics. (10 to 15 units).

Entrance examinations in advanced mathematics are based on: (a) a course in Combined Mathematics or courses in Algebra and Plane Geometry; (b) Solid Geometry; and (c) Plane Trigonometry.

1. Combined Mathematics. (10 to 15 units).

With the foundation of the course in General Mathematics in the junior middle school the work in the senior middle school should consist of a year, or a year and a half;—half a year being given to Demonstrative Geometry, half a year to Algebra, and half a year to a review of General Mathematics with the addition of a study of the use of the slide rule, and the use of Logarithms in computation.

2. Algebra. (8 to 10 units).

The course in Algebra should cover the following topics; Algebraic addition, subtraction, multiplication, and division; Special methods in algebra; Factors; Highest common factor; Lowest common multiple; Fractional equations; Simple equations; Simultaneous simple equations; Simple equations-graphs; Inequalities; Involution and evolution; Theory of indices; Radicals; Radical equations; Surds; Quadratic equations; Simultaneous quadratic equations; Roots; Quadratic equations-graphs.

3. Plane Geometry. (3 to 5 units).

The course in plane geometry should cover the following: The straight line; The circle; Proportion; Similar polygons; Area of polygons; Rational polygons.

4. Solid Geometry. (3 to 5 units)

The work in Solid Geometry should include the following: Space—lines and planes; The Polyhedron; Cylinder; Cone; Pyramid; and Sphere.

5. Plane Trigonometry. (5 to 8 units).

The work in Plane Trigonometry should include the following: Functions of acute angles; Right-angled triangles; Methods of measuring triangles; Oblique triangles; Problems of measurement; Tables and construction.

Religious Education. (20 units).

The courses in Religious Education studied in the junior and senior middle schools and offered for university credit should cover in general the topics below. The entrance examination will be based on these topics, but a choice of questions will be allowed since a complete covering of all topics is not expected.

1. Old Testament Biography.

Study the main points in the lives of Abraham, Moses, Samuel, David, Solomon, Elijah, Amos, Isaiah, Jeremiah, Nehemiah, Ezra,

2. New Testament Biography.

The life of Jesus Christ; and the lives of Paul, Peter, John, and Mark.

3. The lives of great men and women of Christendom, as:

St. Augustine, Martin Luther, St. Francis, Wycliffe, John Knox, George Fox, Elizabeth Fry, Florence Nightingale.

English Composition requires at least one or two recitations a week throughout the middle school course. The greater part of the student's time should be given to informal composition of sentences, paragraphs, and short themes. In the senior middle school however, some attention should be paid to the application of the fundamental principles of formal grammar. Among other texts the following are suggested as especially useful: Graybill's "Writing English", Wooley's "Written English", Fong Sec's "Intermediate Composition", and Tseu's "Specimens of Short Essays".

English Literature must be left for the most part to the collegiate course, but an introduction to a few foreign literary models may be given through senior middle school courses, using the collections of short stories or the series of English and American classics adapted to Chinese schools. Rapid sight reading, silent reading, and round-table discussions of these books in the last year of middle school should provide a basis for more advanced study in the University.

Standards for English in the University correspond to those of the "Diagnostic English Mastery Chart" (published by Edward Evans and Sons, Ltd.). The matriculation standard for the freshman class is a 'T' score of 56 or over.

Mathematics.

I. General Mathematics. (10 to 15 units).

General mathematics should consist, in correlated form and with the use of practical and experimental methods, of the fundamental principles of arithmetic, algebra, geometry, and numerical trigonometry. The following topics should be studied:

Linear equations in one unknown;	Simple formulas, meaning and use;
Ratio and proportion;	Negative numbers, meaning and use;
Quadratic equations in one unknown;	Simultaneous linear equations in two unknowns;
Numerical trigonometry, use of sine, cosine, and tangent in the solution of simple problems involving right triangles;	Graphs as methods of representing dependence;
Rational use of significant figures;	Computation with approximate data;
Graphic representation of statistical data;	Variation;
The linear function, $y = mx + b$;	The quadratic function $y = ax^2 + bx + c$;
Graphic solution of problems;	Use of tables in computation other than logarithms;
Empirical curves, fitting curves to observations;	

It is recommended that the middle schools give careful attention to the thorough mastery of these tool subjects and of the mathematical technique which they involve, giving ample opportunity for the ready application of the principles to practical situations and problems.

The scope and character of the course are shown in the following text books: "The New System Series of Correlated Mathematics for Junior Middle Schools", and "Breslich's Mathematics", Books I and II.

II. Advanced Middle School Mathematics. (10 to 15 units).

Entrance examinations in advanced mathematics are based on: (a) a course in Combined Mathematics or courses in Algebra and Plane Geometry; (b) Solid Geometry; and (c) Plane Trigonometry.

1. Combined Mathematics. (10 to 15 units).

With the foundation of the course in General Mathematics in the junior middle school the work in the senior middle school should consist of a year, or a year and a half;—half a year being given to Demonstrative Geometry, half a year to Algebra, and half a year to a review of General Mathematics with the addition of a study of the use of the slide rule, and the use of Logarithms in computation.

2. Algebra. (8 to 10 units).

The course in Algebra should cover the following topics; Algebraic addition, subtraction, multiplication, and division; Special methods in algebra; Factors; Highest common factor; Lowest common multiple; Fractional equations; Simple equations; Simultaneous simple equations; Simple equations-graphs; Inequalities; Involution and evolution; Theory of indices; Radicals; Radical equations; Surds; Quadratic equations; Simultaneous quadratic equations; Roots; Quadratic equations-graphs.

3. Plane Geometry. (3 to 5 units).

The course in plane geometry should cover the following: The straight line; The circle; Proportion; Similar polygons; Area of polygons; Rational polygons.

4. Solid Geometry. (3 to 5 units)

The work in Solid Geometry should include the following: Space—lines and planes; The Polyhedron; Cylinder; Cone; Pyramid; and Sphere.

5. Plane Trigonometry. (5 to 8 units).

The work in Plane Trigonometry should include the following: Functions of acute angles; Right-angled triangles; Methods of measuring triangles; Oblique triangles; Problems of measurement; Tables and construction.

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Study the main points in the lives of Abraham, Moses, Samuel, David, Solomon, Elijah, Amos, Isaiah, Jeremiah, Nehemiah, Ezra,

2. New Testament Biography.

The life of Jesus Christ; and the lives of Paul, Peter, John, and Mark.

3. The lives of great men and women of Christendom, as:

St. Augustine, Martin Luther, St. Francis, Wycliffe, John Knox, George Fox, Elizabeth Fry, Florence Nightingale.

ENTRANCE REGULATIONS

4. *Old Testament History.*

- a. Old Testament geography.
- b. Early Hebrew life and history before the settlement of Canaan.
- c. Social conditions before the establishment of the kingdom.
- d. The rise of the kingdom and the causes and results of its division.
- e. The period of the two kingdoms, emphasizing the influences of Syria, Egypt, Assyria, and Babylonia.
- f. The history of Judah after the fall of Samaria.
The work of Isaiah, the reform of Josiah, and the work of Jeremiah.
- g. The dispersion and the religious significance of the exile.
- h. The return to Jerusalem.—The work of Nehemiah and Ezra.
- i. The sources of the Old Testament and the history of its literature.

5. *Studies in the life of Christ, emphasizing His character, work, and teachings.*6. *Studies in Acts and the Pauline letters.*

The following texts, or similar ones, cover the ground of the topics given above:

Luce,—Life and Teachings of Christ, The Acts and Epistles, and A Harmony of the Gospels,—Mission Book Co.	
Wright and Chen, Old Testament History	Kuang Hsueh Pub. Co.
Chen and Rawlinson, Historical Life of Christ	Mission Book Co.
Rauschenbusch, Social Teachings of Jesus	Kuang Hsueh Pub. Co.

Also consult: Mandarin Bible Dictionary—Religious Tract Society.

Hastings Bible Dictionary; Hayes, Church History 2 vol.; Christian Biographies; and Allen, Life of Martin Luther,—all of Kuang Hsueh Pub. Co.

Science (Biology, Chemistry, Physics).

A candidate taking an examination in any of the natural sciences must present his laboratory note-books, as a record of the experiments which have been performed by the student himself. Each experiment should be initialed by the instructor. The note-books as well as the examination must give evidence that the student has had individual work in the laboratory and that he is familiar with the fundamentals of laboratory technique.

The note-books must be certified by the principal or head-master of the middle school, and should be sent—preferably by the school directly, rather than by the student—to the Registrar of the University.

It is to be understood that note-books which contain merely notes taken during the instruction periods, notes on demonstrations, or notes copied from text-books cannot be considered as fulfilling this requirement.

Biology.

(6 to 10 units),

The course should require three double-periods of laboratory work and two single-periods of recitation per week throughout the year.

The scope of the requirement in biology is indicated below:

SYLLABUS OF MIDDLE SCHOOL SUBJECTS

I. How Plants and Animals Live.

Environment, adaptation and adjustment, orderly arrangement of kinds, life of *Artemisia*, life of Honey-bee.

II. Relation of Life to Food.

(1) In Plants:—Structure and work of roots, soils and soil conservation; structure and work of stems; forestry; structure and work of leaves.

(2) In Animals:—Food of animals; digestion; respiration and circulation.

III. Responses.

Examples of simple responses; chemical senses; sound and hearing; light and vision; tactile senses; nervous system of animals; instinct, habit, and intelligence; effects of poisons.

IV. Growth and Reproduction.

(1) Life histories of plants.—An alga; a moss; a fern; a flowering plant; pollination; seeds; fruits; seed distribution; propagation of plants.

(2) Life histories of animals.—A fish; a frog; a bird; a mammal.

(3) Variation and heredity.

V. Interrelation of Life Forms.

Parasites; symbionts; saprophytes; commensals; predators; slaves.

VI. Applications of Biological Principles.

Seed selection; animal breeding; causes of disease; prevention of disease; carriers of disease (fly, mosquito, etc.); plant disease and controls; weed problem; parasitic worms; insect enemies and their control; fish culture; birds in relation to man.

Special stress should be placed on the preparation of the laboratory reports. The student should be trained to present his facts in as concise and systematic form as possible. Tabulation and simple, unshaded, outline drawings are the most satisfactory ways of recording the observations. Each section of the subject should be followed by a review and summarization which will insure that the students have grasped the principles underlying their observations.

Theories and material of philosophical interest alone should form no part of the course. The course should be in every way practical.

The following texts are recommended for the guidance of the teacher:—

Atwood—Civic and Economic Biology. Gruenberg—Elementary Biology.

Hunter—Civic Biology. Hodge and Dawson—Civic Biology.

Gruenberg and Wheat—Student's Manual of Exercises in Elementary Biology.

Bergen and Davis—Laboratory and Field Manual of Biology.

Hunter—Laboratory Problems in Civic Biology. Gruenberg—Manual of Suggestions for Teachers.

Chemistry.

(6 to 10 units.)

At least half of the number of units of credit in chemistry should represent laboratory work. Ten units of credit will represent about two periods of recitation work and three double-periods of laboratory work per week for two semesters.

The topics covered in the middle school chemistry course should include the following:

Use of the balance; Principles of the quantitative method; The atmosphere and oxygen; Nitrogen; Carbon and its compounds; Fuels; Water and hydrogen; Acids, bases; Chlorine and the halogens; Salt, soda, saltpeter; Representative metals; Chemistry of plant life; Chemistry of animal life; Foods and nutrition.

The method of teaching the chemistry course is far more important than the subject matter; and credit will be given according as it is evident that the student has received an intelligent grasp of the subject and its relation to the problems of his environment, rather than evidence of having studied a certain number of prescribed topics. All topics should be introduced through the medium of the laboratory, and the other class periods should be used essentially to supplement the laboratory work. A thoroughly inductive treatment is desirable. The emphasis in middle school chemistry should be constantly on applications. The course should be planned definitely to interpret in a scientific way the chemical phenomena of everyday life. Theories should not be stressed; but an understanding of the quantitative method, and training in accuracy and exact observations, are an essential part of the course.

It is preferable that the middle school course in physics should precede the course in chemistry.

The scope and general method of treatment of the course may be learned by consulting one of the following commonly used texts:—

- Black and Conant—Practical Chemistry, with
Black—Laboratory Experiments in Chemistry.
- McPherson and Henderson—Elementary Study of Chemistry, with
McPherson and Henderson—Exercises in Chemistry.
- McPherson and Henderson—Chemistry and its Uses, with
McPherson and Henderson—Exercises in Practical Chemistry.
- Coulthard—First Book of Chemistry.

Physics.

(6 to 10 units).

The requirement in Physics is a course in elementary Physical Measurements, which will give the student a working knowledge of:

1. Concepts in Physics such as length, area, volume, mass, weight, density, specific gravity, time, force, pressure, velocity, acceleration, work, efficiency, heat, temperature; the nature of coefficients such as expansion, friction, etc.; with the units in which each are measured.
2. Simple laws of reflection and refraction of light, formation of images by mirrors and lenses, using the ideas of elementary geometric optics.

3. The nature of periodic motion, using as illustrations pendulums, vibrating springs, water waves and sound waves; and familiarity with the terms—period, wave length, amplitude, frequency.

4. The magnetic effects of electric currents and Ohm's Law, with simple applications.

The course should be built up about laboratory experiments performed by the individual student. These should aim to be mostly quantitative in nature. The student should know how to observe and record data in an intelligent way, as well as to be able to present his results clearly and, whenever possible, graphically.

The note-book record should clearly show the object of the experiment, the apparatus used, description of method with drawings, data as observed, and results and conclusions.

It is suggested that Stifler's "Exercises in Elementary Physics" be considered as indicating the minimum requirement. Other texts suggested for reference are:—Watson—Elementary Practical Physics; Millikan, Gale, and Bishop—Laboratory Physics; Shih Yien Chiao Cheng (Translation from Millikan and Gale's Laboratory Physics); Carhart and Chute—Laboratory Physics.

Western History.**I. Pre-Historic Times.**

1. Earliest Man.
 - a. Origin of animal and human life.
 - b. Dawn of civilization.
 - c. Stone Age; Bronze Age; Iron Age.

II. Historic Times.

1. The Ancient Period.
 - a. A brief study of the histories of Egypt, Phoenicia, Judea, Babylon, Assyria and Persia; emphasizing the outstanding features of their several cultures.
 - b. The History of Greece, Macedonia and the Roman Empire, placing special emphasis upon the factors contributing to the development of the Middle Ages.
2. The Mediaeval Period.
 - a. The Teutonic invasions; the decline of the Roman state and culture; the beginnings of new European states.
 - b. Mohammedanism; conflict between Christianity and Mohammedanism.
 - c. Feudalism; origin, decline, value.
 - d. Development and spread of Christianity; the crusades; the origin, growth and power of the Papacy; conflict between Church and State; the Reformation and Counter-Reformation; religious wars.
 - e. The Renaissance; the age of discoveries (America).
 - f. Political development in the leading countries of Europe.

3. The Modern Period.
 - a. To 1914.
 1. England; revolutions; colonial and commercial policy; growth of modern democracy.
 2. France; Louis XIV; French Revolution; rise and fall of Napoleon; revolutions of 1830 and 1848; recent development.
 3. Spain; loss of the Netherlands; decline.
 4. Russia; Peter the Great; wars with Turkey; Congress of Berlin.
 5. Rise of Prussia; Frederick the Great; Partition of Poland; war with Austria.
 6. Unification of Germany and Italy; Bismark and Cavour.
 7. The United States; War of Independence; slavery and Civil War; later political development.
 8. South America; a brief general survey.
 - b. Since 1914.
 1. The Great War; causes and effects.
 2. Versailles Treaty; territorial changes.
 3. International organizations; League of Nations, the International Labor Organization and the International Court of Justice.
 4. The Washington Conference; attempt at limitation of armaments.

The following text-books are recommended:

1. For Pre-Historic Times:
新學制高級中學西洋史 (商務印書館)。
2. For the Ancient, Mediaeval, and Modern Periods:
新學制高級中學西洋史 (商務印書館); 共和國教科書西洋史 (商務印書館) 中華書局之西洋史; 新著世界史 (商務印書館)。
3. For the Latest Period:
新著西洋近百年史 (商務印書館) 新著世界史 (商務印書館)。

For the benefit of the schools that wish to do the work in English we would recommend the use of "A First Book of World History" by F. J. C. Hearnshaw (Macmillan and Co. London. 1924. Pages IX: 194). Although the title suggests that this is a General History, it really is a first book of Western History.

Civics.

(12 units)

1. Group Life.
2. The Family.
3. The School.
4. Religion.
 - a. Confucianism
 - b. Taoism.
 - c. Buddhism.
 - d. Christianity.

5. Political Organization.
 - a. General.
 - b. National (Chinese)
 1. The Chinese State.
 2. The Chinese Government.
 - a. Central.
 - b. Provincial.
 - c. International.
 1. The League of Nations.
 2. The International Court of Justice.
 3. The International Labor Office.
6. Law.
 - a. The State and Law.
 - b. Characteristics and Functions of Law.
 - c. Kinds of Law.

The 新制公民須知 and the 新學制公民教科書, both published by the Commercial Press, are recommended as text-books. For those who desire to use English text-books, the following will be found of use: "Modern China", by H. B. Graybill, Ginn and Company, and "Community Life and Civic Problems", by H. C. Hill, Ginn and Company.

Geography.

(16 units)

The aim of the study of Geography in the junior middle school is to understand the important phenomena of the world and by a survey of the earth to acquire the fundamentals of Geography. The aim in the senior middle school is, with this fundamental knowledge, to study the conditions in each country and to be able to divide the world into its natural divisions and to find out their special characteristics and the relations between them. So close is the relation between the study of Geography in the junior and in the senior middle schools, that a student should have full knowledge of both, and the entrance examination will be based on both.

As a most important part of both junior and senior middle school work in Geography is the laboratory work, the student must present his notebook and charts in order to receive credit. The notebook and charts must be certified by the instructor in order to be accepted.

Outline of the Chief Topics in Junior and Senior Middle School Geography.

1. The characteristics, appearance, and changes of the Earth.
2. The meaning and use of Latitude and Longitude. Pay especial attention to the influence of the Tropic of Cancer, the Tropic of Capricorn, the Arctic Circle, and the Antarctic Circle upon human life.
3. The general physical features of each continent.
4. The climate, meteorology, temperature, pressure, winds, rainfall.
5. The influence of the distribution of plant life on products and industry.

ENTRANCE REGULATIONS

6. The influence of natural surroundings on men's professions, as, - hunting, herding, farming, sailing, trading, etc.
7. The distribution and density of population.
8. The more important cities and ports and the reasons for their growth.
9. Tide and ocean currents and their influence upon human life.
10. The appearance, climate, products, industries, and life of each country, and the natural divisions to which they belong. Pay especial attention to China.
11. Special Problems.
 - a. The distribution of natural products; b. The use, waste, and conservation of natural resources; c. The commerce of the world; d. The question of over-population; e. International problems.
12. The climate, products, and human life of different regions and their natural divisions.

Laboratory work in Geography.

1. To understand and use relief maps, and contour maps.
2. To distinguish common ores and rocks.
3. To do simple surveying.
4. To make simple observations and records of the weather.
5. To make graphs and comparative charts of temperature, pressure, and rainfall.
6. To make rough graphs and charts from the student's own observations of the weather.
7. To make observations of the local geography.

Chinese Language and Literature.

(60 units)

There is so little uniformity among middle school courses in Chinese Language and Literature that it is impracticable to enforce detailed entrance requirements. The entrance examination is intended to test the student's ability to use the language in expressing ideas clearly and properly, and to test his general knowledge of the content of Chinese Literature. Schools should emphasize the methods of teaching, require the reading of newspapers and magazines, and spend considerable time on Modern Chinese. We would further recommend that in addition to the usual weekly essay there be some practice in practical composition once a week.

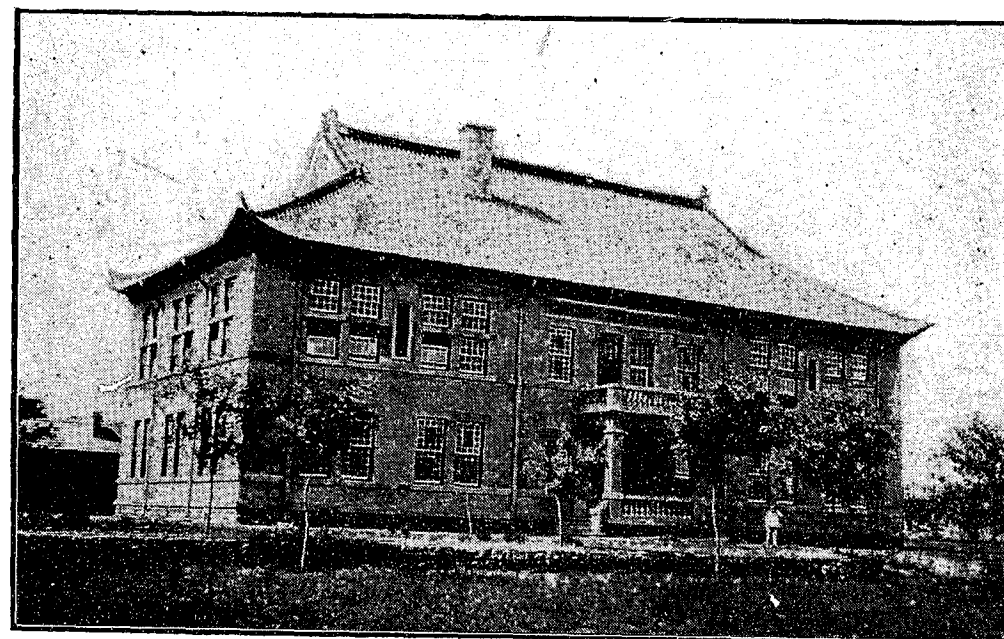
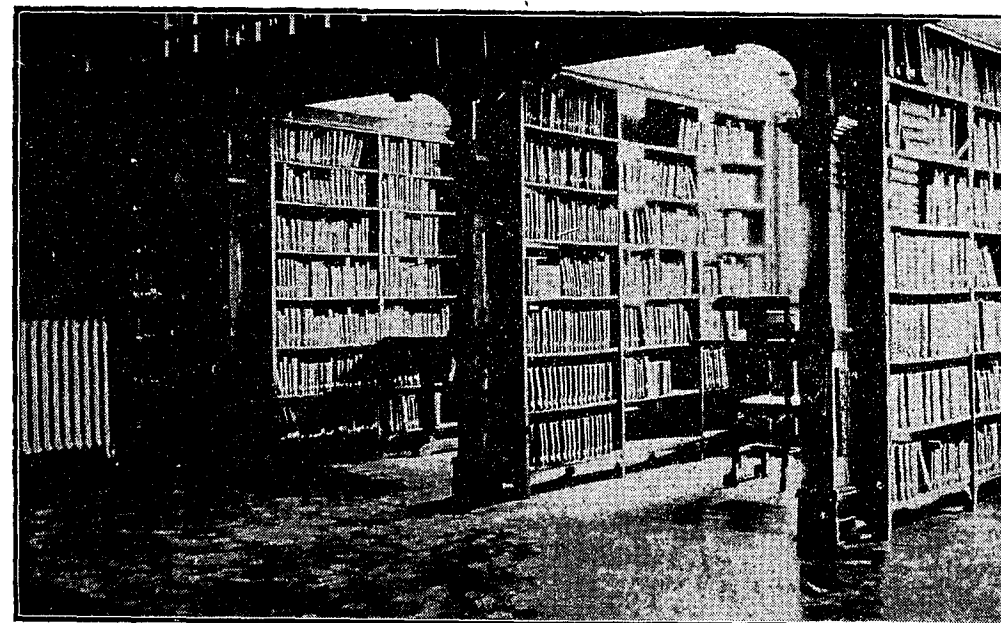
In order to secure a higher standard of work in the entrance examination papers, the attention of the student is called to the following:

1. Pay attention to the writing. Papers written with grass characters, or containing wrong characters or abbreviations will not be accepted.
2. Wenli must be used; Kuo Yu will not be accepted.
3. Papers should consist of positive statements regarding actual facts and records, rather than general vague descriptions and discussions.

Chinese History.

(18-25 units)

The syllabus for Chinese History will appear in the Chinese edition of this bulletin.

**LIBRARY****STACK ROOM**

UNIVERSITY FEES AND DEPOSITS.

The schedule of University Fees and Deposits, due at the beginning of the semester, in local currency, is as follows:—

TUITION:

Arts and Science Courses	\$25. per semester
Pre-Theological Course	10. " "
Pre-Medical Course	30. " "
ATHLETICS:—	2. " "
DORMITORY:— room, light, and heat.	7. " "

BREAKAGE DEPOSITS—GENERAL AND LABORATORY:

Arts and Science Courses	\$3. annually, payable in fall
Pre-Theological Course	3. " "
Pre-Medical Course	8. " "
*Chemistry and Physics Laboratory	3. " "
†Light Deposit	4. " "
KEY DEPOSIT:—	1. returnable on return of key.

DEPOSIT FOR BOARD: \$25. per semester

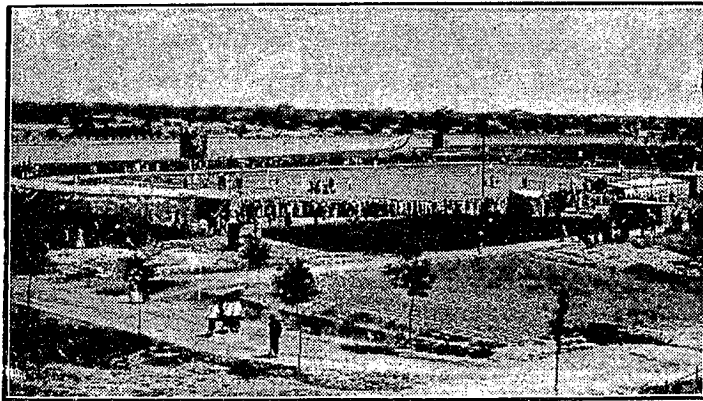
SPECIAL FEES:

Graduation fee, payable the Monday before Commencement	3.
Special Students, extra fee	5. per semester
Part-time Students, tuition	3. per semester hour
Special examination fee	2. per examination
Late registration fee	1. per day
Change of Study Card after two weeks	1.
Piano lessons, with use of piano	\$15. per semester

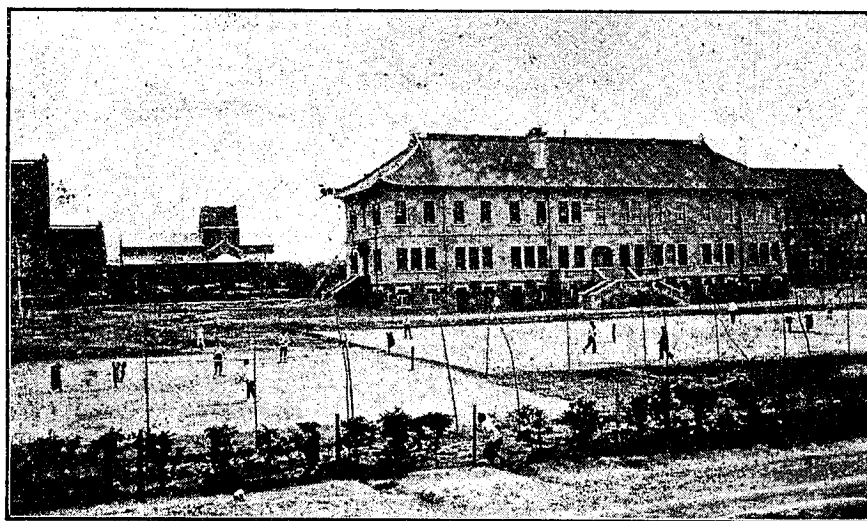
No refunds of fees are to be made after the first fortnight of each semester, except by special approval of the Dean.

*Additional deposit to be paid only by students in the School of Arts and Science studying Chemistry and Physics.

†Deposit to be made by all Arts and Science students, to be checked pro rata for any excess of light used above the allowance provided in the University budget.



ATHLETIC FIELD



TENNIS COURTS McCORMICK HALL

STUDENT EXPENSES

A ruling of the University provides that fees may be raised at any time at the discretion of the Field Board of Managers.

Student Trips. Occasional trips for students to points of interest and instruction have been arranged. These have been conducted personally by members of the faculty. The costs of the same have been paid in part or entirely by the students themselves. At all times such trips are entirely optional, and students are at liberty to refrain from participating in them if they feel they cannot afford them.

STUDENT EXPENSES.

The tables below furnish estimates of the annual expenses of a student in the University. Travel and vacation expenses are not included. Some students by bringing clothing from home make this item lower than what is given below. Men and women students in the same School and Course have approximately the same expenses.

ARTS, SCIENCE, AND EDUCATION COURSES

	Low	Average	High
Tuition	\$50	\$50	\$50
Athletics Fee	4	4	4
Dormitory Fee	14	14	14
Light Deposit	4	4	4
Breakage Deposit	3	3	3
Laboratory Fee	3	3	3
Key Deposit	1	1	1
Board	50	50	50
Books and Stationery	15	25	50
Clothing	24	35	70
Contributions	3	5	8
Miscellaneous	10	25	40
TOTAL	\$181	\$219	\$297

PRE-THEOLOGICAL COURSE

Student expenses in this Course will approximate the lowest column given above, with the exception of tuition which is \$20. Thus the total yearly expense will vary from \$151 up.

STUDENT EXPENSES

PRE-MEDICAL COURSE

	Low	Average	High
Tuition	\$60	\$60	\$60
Athletics Fee	4	4	4
Dormitory Fee	14	14	14
Breakage Deposit & Laboratory Fee	8	8	8
Light Deposit	4	4	4
Key Deposit	1	1	1
Board	50	50	50
Books and Stationery	20	35	60
Clothing	24	35	70
Contributions	3	5	8
Miscellaneous	10	30	45
TOTAL	\$198	\$246	\$324

A few students find it possible to earn part of their expenses while attending the University. These are usually junior or senior students who can secure positions as tutors and part time teachers in the city, or as assistants in various departments and laboratories in the University. No student should come to the University expecting to earn part of his way without first making sure that he can find a position. Students earning part of their expenses should not plan to undertake the full number of units of study during the semesters in which they are doing this outside work, and should expect to spend more than the usual number of years in residence.

SCHOOL OF ARTS AND SCIENCE CURRICULUM

The aim of the School of Arts and Science is to give students sound pre-professional preparation for the study of Medicine, pre-professional preparation for the study of Theology, professional training for Teaching, and studies in Arts and Science to educate in General Culture as well as to complement and supplement the former. To these ends the School offers an Arts and Science Course of four years, a Pre-Medical Course of two years, a Pre-Theological Course of two years, and an Educational Course of four years. For regulations governing entrance requirements, see pages 27 to 35. The Courses of Study in Pre-Medicine and in Pre-Theology are prescribed, while those in Arts and Science and in Education are partly prescribed and partly elective. The strictly prescribed work of all courses is largely covered in the Lower Division of the School, i. e. the first two years.

General Course Requirements in Arts, Science, and Education. The departments of study are arranged in three groups, as follows:

I. Natural Science.	II. Social Science.	III. Literature and Language.
Astronomy	Economics	
Biology	Education	Chinese
Chemistry	History	English
Mathematics	Political Science	
Physics	Psychology	
	Religious Education	
	Sociology	

Subject Requirements. The subject requirements for the four years of work may be stated as follows:

	Semester hours
Required Courses:—Chinese	16
English	16
Backgrounds of Civilization	8
Total of Required Courses	40
Majors and Minors:—1 Major Subject	24
1 Minor in Education	12
1 Additional Minor	12
Total for Majors and Minors	48
Elective Courses	40
Total Requirements for Four Years	128

This total of 128 semester hours of credit required in order to graduate gives the student an average of 16 semester hours of study each semester. This is the amount of work carried by the average student. In special cases permission may be granted by the Dean for a student to take as many as 18 semester hours in one semester, but this will be done only on specific recommendation of the Student Advisor.

Major Subjects. Majors are offered in Chinese, Education, English, History-Political Science, Mathematics-Astronomy, Biology, Chemistry-Physics, and Sociology-Economics. (In 1928 no major is offered in English.) A Major Subject is chosen by each student before entering upon the first year's work. The instructor in charge of this subject will act as the student's Advisor and will have a large share in determining the subjects which the student will study. Students majoring in Education, English, or Chinese shall fulfill the requirements of their major subject by completing 24 credit hours of study in that subject over and above the elementary and introductory courses.

By the end of the Sophomore year it is presumed that the student has acquired the necessary knowledge of himself and of the opportunities for study offered by the School to enable him to choose wisely his special field of interest. Therefore no change in Major Subject is allowed a student after the close of the Sophomore year. Before that time, petitions to change the major subject will be granted when approved by the Student Advisors concerned and by the Dean. The student will be required to fulfill all the requirements of the new major subject.

Minor Subjects. The student is required to select two minor subjects, one of which must be in Education unless his major is Education. A student majoring in Education shall fulfill minor requirements in two other subjects. A student taking a minor in English, Chinese, or History shall fulfill the requirements of that minor by completing 12 credit hours of study in that subject over and above the elementary and introductory courses.

Courses in Other Schools. Students registering in one School may also elect courses in the other Schools of the University, and will receive credit for these courses. However, courses taken in other Schools must not total more than one-third of the full number of units of credit required for graduation.

English Requirements. Much of the work in the School of Arts and Science is essentially bi-lingual, both English and Chinese being

used as media of instruction. A reading knowledge of English is presupposed of all students, while some courses are given entirely in English. The requirement of 16 semester hours of study in English may be waived in part or in whole in the case of students who have reached a standard in English three years above that required for entrance. The determination of the standard reached by any given student shall be made by the Department of English.

Selection of Courses. A most important part of Registration is the selection of the courses to be studied. The student should first make out a tentative Trial Study List, using the cards given him at the Registrar's Office and consulting the schedule of classes and the catalogue of studies. This Trial Study List must be thoroughly considered with the Advisor and must receive his approval. A Student in the Lower Division (the first two years) should follow closely the Sequence of Courses for his Major Subject (see the following pages). For the details of Registration, see page 31.

A student desiring to drop a subject once taken up, or to take up a new subject after the Study List has been filed, must secure the permission of his Student Advisor and of the Dean and of the instructors concerned. At the end of the first two weeks the study lists are considered as fixed. No changes may be made after that date except on the payment of a fee of one dollar.

The Semester Hour of Credit. The Unit of Study for which credit is given is the Semester Hour, which is understood to represent approximately one class period per week throughout one semester. Each of these class periods should require two hours of preparation, or subsequent reading or study. Courses of study which require less preparation will have a proportionate decrease in the amount of credit allowed. From two to three periods of laboratory work per week during one semester will receive in general one semester hour of credit.

Scholarship Grades. In reporting the standing of students at the close of each semester, the following marks are used: A, B, C, C-, D, E, Inc., L. Their values are: - 'A' - Achievement of a very high order; 'B' - Good and above the average; 'C' - Satisfactory - the average of the class; 'C-' - Passing, but rather poor; 'D' - Conditioned - unsatisfactory, but open to re-examination; 'E' - Failed; 'Inc.' - Incomplete as regards term work or examinations; 'L' - Left the class some weeks before the final examinations. For instructors who prefer to make their original grades

in percentages, the values may be stated as: - 'A' = 95-100%; 'B' = 85-94%; 'C' = 75-84%; 'C-' = 65-74%; 'D' = 55-64%; 'E' = 0-54%. Marks of 'Inc.' and 'L' are given the same value as 'E' unless they have the written excuse of the Dean. In grading classes, 'A' is considered normally applicable to 1%-5% of the class, 'B' to 20%-25%, 'C' to 45%-50%, 'C-' to 18%-25%, 'D' to 5%-10% and 'E' to 1%-3%. This distribution of grades is obligatory on all instructors, but is understood to admit of a certain degree of flexibility, especially in the handing of small classes.

Merit Points and Grade Ratio. A student's scholarship standing is determined in part by a system of merit points and grade ratios.

A semester hour with a grade of A	receives a merit point of	2.
A semester hour with a grade of B	receives a merit point of	1.5
A semester hour with a grade of C	receives a merit point of	1.
A semester hour with a grade of C-	receives a merit point of	.5
A semester hour with a grade of E	receives a merit point of	-.5

A semester hour with a grade of 'D' receives no merit point, but the hour is counted in the total of hours by which the grade ratio is calculated. 'Inc.' or 'L', if excused, may be changed to any grade by a completion of the unfinished work, and will receive then the corresponding merit point; if unexcused, the grade counts as an 'E', and has its corresponding merit point. A grade of 'D' may be changed by re-examination only either to 'C-' or to 'E' and will then receive the corresponding merit point. If a 'D' is not removed within one calendar year it automatically becomes an 'E'.

The Grade Ratio of the student is computed, semester by semester, by dividing the total number of merit points received by the total number of semester hours studied in the semester under consideration.

Conditions. A student conditioned in any subject must remove the deficiency within one calendar year or the work will be considered a failure. A condition may be removed by a re-examination, which may take place at the time of the next regular term examination or at a time set by the instructor concerned. If a re-examination to remove a condition or to make-up a missed term examination is taken at the time of a regular term examination, no fee is required. If at a special time, a fee of \$2.00 for one examination, \$4.00 for two, and \$5.00 for three or more will be charged. Arrangements for special examinations must be made through the Dean. When a condition is removed, only a pass grade

'C—', will be given. Only one re-examination to remove a condition is permitted—a failure in this constitutes a failure in the subject. The student must take the initiative in removing a condition.

When a condition has been properly removed, the student's grade ratio for the semester's work concerned will be corrected.

Failures. A failure may be removed only by repeating the subject. Considering two semester hours of credit which are conditioned as being the equivalent of one semester hour of credit which is failed, a student who receives in any one semester the equivalent of eight semester hours of credit conditioned will not be allowed to remove these conditions by re-examination, but must repeat the subjects concerned in order to receive credit for them.

A grade received in a repeated course will be counted in the grade ratio of the semester in which it is taken and does not affect the grade ratio of the semester in which the failure was incurred.

Probation and Disqualification. Any student (with exception noted below) who receives in any one semester the equivalent of twelve semester hours of credit conditioned will be disqualified for further attendance at the University. However, a first year student who receives in the first semester the equivalent of more than eleven and less than sixteen semester hours of credit conditioned will be placed on probation for the following semester. If in the following semester the student does not make satisfactory progress in his studies, he will be disqualified for further attendance at the University.

Normally, a student, who at the end of his first year has an average grade ratio of less than .75, will be disqualified for further attendance at the University. In special cases, a student who seems worthy and whose grade ratio is below .75 but not below .50 may be given further trial in the first semester of his second year.

A student who fails to make an average grade ratio of .75 in his second year will be disqualified for further attendance at the University.

Any student thus disqualified may be reinstated only after one year, and only by specific action of the Arts faculty.

Only those students who receive an average grade ratio of .75 or more in the junior and senior years will be eligible for graduation and the Bachelor's Degree.

Excuses. Absence from class, whether on account of illness or otherwise, can be excused only by written permission of the Dean.

A student who misses, in the aggregate, more than three weeks of the work of a semester is not allowed to take the final examinations and must repeat the work of that semester.

Any work which was omitted because of extra holidays must be made up during the semester in which it was omitted.

Transcripts of Records. One copy of a student's scholastic record will be given him after he leaves the University, without charge, if requested within two years. A second transcript or one desired two years or more after leaving the University, will be given only after the receipt of a fee of fifty cents.

SEQUENCES OF COURSES

The following Sequences show the basic requirements for students Majoring in the different Departments and Courses. Subjects included in these Sequences are regularly offered, and represent the studied judgement of the faculty as to what courses are of greatest benefit and as to the order in which they are best studied. Students should not expect that a subject will normally be taught for students of the Lower Division (the first and second years) unless ten or more students elect it; nor for students of the Upper Division (third and fourth years) unless eight or more students elect it.

Pre-Medical Course

First Semester		Second Semester	
	credit hours		credit hours
Chinese 1	2	Chinese 2	2
English	4	English	4
Biology 1a	3	Biology 1b	3
Chemistry 3	3	Chemistry 4	5
Physics 1	4	Physics 2	4
Psychology 1	2		
Backgrounds of		Backgrounds of	
Civilization 50	2	Civilization 50	2
Physical Ed. 2 hours		Physical Ed. 2 hours	
Total credit hours	20		20

SEQUENCE OF COURSES

Second Year		Second Semester	
First Semester	Credit hours	Second Semester	Credit hours
Chinese 3	2	Chinese 4	2
English	4	English	4
Biology 11	4	Biology 18	4
Chemistry 5	6	Chemistry 8	6
Physics 3	4	Physics 4	4
Physical Ed. 2 hours		Physical Ed. 2 hours	
	<u>20</u>		<u>20</u>

The subjects in Pre-Medicine are all required.

Pre-Theological Course			
Chinese 3	2	Chinese 4	2
English	4	English	4
Religious Education	2	Religious Education	2
Biology 1a	3	Biology 1b	3
Backgrounds of Civilization 50	2	Backgrounds of Civilization 50	2
Psychology 1	2	Psychology 2	2
Elective	2	Elective	2
Physical Ed. 2 hours		Physical Ed. 2 hours	
	<u>17</u>		<u>17</u>

Natural Science Major
Chemistry and Physics

First Year			
Chinese 3	2	Chinese 4	2
English	4	English	4
Biology 1a	3	Biology 1b	3
Physics 1	4	Physics 2	4
Education 1	2	Elective	2
Backgrounds of Civilization 50	2	Backgrounds of Civilization 50	2
Physical Ed. 2 hours		Physical Ed. 2 hours	
	<u>17</u>		<u>17</u>

Second Year			
Chinese 5	2	Chinese 6	2
English	4	English	4
Mathematics 1	4	Mathematics 2	4
Chemistry 3	3	Chemistry 4	4
Education 5	4	Elective	2
Physical Ed. 2 hours		Physical Ed. 2 hours	
	<u>17</u>		<u>16</u>

NATURAL SCIENCE MAJOR

Third Year		Second Semester	
First Semester	credit hours	Second Semester	credit hours
Chinese	2	Chinese	2
Mathematics 7	4	Major subject	4
Education 7	4	Minor subject	4
Major subject	4	Elective	6
Elective	2	Physical Ed. 2 hours	
Physical Ed. 2 hours			
	<u>16</u>		<u>16</u>

Fourth Year			
Chinese	2	Chinese	2
Major	4	Major	4
Elective	10	Education 32	2
Physical Ed. 2 hours		Elective	8
	<u>16</u>		<u>16</u>

Natural Science Major

Biology

First Year

Chinese 3	2	Chinese 4	2
English	4	English	4
Biology 1a	3	Biology 1b	3
Chemistry 3	3	Chemistry 4	4
Education 1	2	Backgrounds of Civilization 50	2
Backgrounds of Civilization 50	2	Elective	2
Physical Ed. 2 hours		Physical Ed. 2 hours	
	<u>16</u>		<u>17</u>

Second Year

Chinese 5	2	Chinese 6	2
English	4	English	4
Biology	4	Biology	4
Education 5	4	Minor	4
Elect from Math. or History	2	Elect from Math. or History	2
Physical Ed. 2 hours		Physical Ed. 2 hours	
	<u>16</u>		<u>16</u>

Third Year

Chinese	2	Chinese	2
Education 7	4	Biology	4
Biology	4	Minors and Elective	10
Minors and Elective	6	Physical Education 2 hours	
Physical Ed. 2 hours			
	<u>16</u>		<u>16</u>

SEQUENCE OF COURSES

Fourth Year	
First Semester	Second Semester
credit hours	credit hours
Chinese 2	Chinese 2
Biology 4	Education 32 2
Elective 10	Major and elective 12
Physical Ed. 2 hours	
16	16
Education Major	
First Year	
Chinese 3 2	Chinese 4 2
English 4	English 4
Education 1 2	Education 4 3
Biology 1a 3	Biology 1b 3
Backgrounds of Civilization 50 2	Backgrounds of Civilization 50 2
Elective 3	Elective 2
Physical Ed. 2 hours	Physical Ed. 2 hours
16	16
Second Year	
Chinese 5 2	Chinese 6 2
English 4	English 4
Education 5 4	Education 6 4
History or Sociology 4	History or Sociology 4
Elective 2	Elective 2
Physical Ed. 2 hours	Physical Ed. 2 hours
16	16
Third Year	
Chinese 2	Chinese 2
Education 7 4	Education 10 4
Education 9 4	Education 24, 26, 28, or 30 2 or 4
Minors and elective 6	Minors and elective 8 or 6
Physical Ed. 2 hours	Physical Ed. 2 hours
16	16
Fourth Year	
Chinese 2	Chinese 2
Elective 14	Education 38 or 40 4
Physical Ed. 2 hours	Elective 10
16	16

History and Political Science Major

In general the sequence of the courses is indicated by the numbers given to the courses, the lower numbers referring to the more elementary courses and the higher ones to the more advanced work. History courses No. 1 to 10 should be taken during the first two years; the others may be taken during the last two years, with the exception of No. 25 and No. 26 which normally should be taken during the last year.

In Political Science, No. 1 should be taken during the first or second year, while No. 2, No. 3, and No. 4 are open only to Juniors and Seniors.

For the sequence of the basic courses required of all Arts students, see above.

Sociology, Social Service and Economics Majors

All students must begin with Sociology 1. First year students may study courses 1 to 10; second year students, courses 10 to 20; and Upper Division students may study courses of higher numbers.

For the sequence of the basic courses required of all Arts students, see above.

Chinese Major

First Year	
First Semester	Second Semester
credit hours	credit hours
Chinese 3 2	Chinese 4 2
English 4	English 4
Education 1 2	Backgrounds of Civilization 50 2
Backgrounds of Civilization 50 2	Elective 8
Elective 6	Physical Ed. 2 hours
Physical Ed. 2 hours	
16	16
Second Year	
Chinese 5 2	Chinese 6 2
English 4	English 4
Education 5 4	Elective 10
Elective 6	Physical Ed. 2 hours
Physical Ed. 2 hours	
16	16
Third Year	
Major and elective 12	Major and elective 16
Education 7 4	Physical Ed. 2 hours
Physical Ed. 2 hours	
16	16

SEQUENCE OF COURSES

Fourth Year	
First Semester	Second Semester
credit hours	credit hours
Major and elective 14	Major and elective 16
Education 27 2	
Physical Ed. 2 hours	
16	16
Astronomy-Mathematics Major	
First Year	
Chinese 3 2	Chinese 4 2
English 4	English 4
Mathematics 1 4	Mathematics 2 4
Elective 2	Elective 4
Education 1 2	
Backgrounds of Civilization 50 2	Backgrounds of Civilization 50 2
Physical Ed. 2 hours	Physical Ed. 2 hours
16	16
Second Year	
Chinese 5 2	Chinese 6 2
English 4	English 4
Mathematics 3 4	Mathematics 4 4
Astronomy 1 3	Astronomy 2 3
Education 5 4	Elective 3
Physical Ed. 2 hours	Physical Ed. 2 hours
17	16
Third Year	
Chinese 2	Chinese 2
Mathematics 5 3	Mathematics 8 4
Mathematics 7 4	Astronomy 4 3
Education 7 4	
Elective 3	Elective 7
Physical Ed. 2 hours	Physical Ed. 2 hours
16	16
Fourth Year	
Chinese 2	Chinese 2
Mathematics 9 3	
Astronomy 5 4	Astronomy 6 4
Elective 7	Education 28 2
Physical Ed. 2 hours	Elective 8
16	16

SCHOOL OF ARTS AND SCIENCE
DESCRIPTION OF COURSES

The courses offered in the School of Arts and Science are grouped under the following subjects:

Astronomy	Economics	Mathematics
Backgrounds of Civilization	Education	Physics
Biology	English	Political Science
Chemistry	Fine Arts	Psychology
Chinese Literature	History	Religious Instruction
		Sociology

All courses are represented as one semester in length. Courses having odd numbers are offered in the Autumn Semester; those having even numbers are offered in the Spring Semester. In cases where a course may be offered in either semester, alternative numbers are given. The number of semester hours of credit for each course (for definition of credit hour see page 50) is indicated by a figure in parentheses, thus: (4).

ASTRONOMY

(See Mathematics)

BACKGROUNDS OF CIVILIZATION

BACKGROUNDS OF CIVILIZATION 50. A course covering in a general way the history of civilization. It is required of all first year students. (2,2)

BIOLOGY

Arthur Paul Jacot, B. A., Associate Professor, Head of Department.

Ch'in Yao-T'ing, (S. C. U.) Associate Professor.

K'ang Hsing-Wei, B. S., Instructor.

The aim of the courses is two-fold. First, they aim to induce the student to think for himself, acquire self-reliance and develop his initiative, and teach him to think and work systematically—thus preparing him for positions of responsibility and advanced work. Second, they aim to develop in the student a sympathetic understanding of, and feeling for, the life about him. With this point of view the student is better able to understand man's relation to the forms of life about him, and consequently is able intelligently to control his environment.

The course work is arranged to meet three needs: pre-medical, teacher-training, and training for advanced work in biological survey. All students taking work in this department are expected to take the general course on the principles of biology. Premedical

students then take courses 11 and 18. Other students may elect courses which best fit their individual needs. The majority of courses are systematic and ecologic.

Laboratory periods are of three hours duration.

BIOLOGY 1a and 1b. General Biology. This course consists of a series of studies on the fundamental principles of life, or those factors which act upon and have built up life forms as they are. Continues throughout the year. (3,3)

(Students who have not had general biology in the middle school will be expected to take an extra hour of lecture work per week).

BIOLOGY 3. Nature Study. This course is for students specializing in education. It includes the material and discusses the type of course which they will teach in the middle schools. Special emphasis is placed on collection and preparation of material and care of vivarium.

Prerequisite: Biology 1. (3)

BIOLOGY 11. Invertebrate Zoology. This course aims to give the student a knowledge of the structure and phylogenic relations of the invertebrate animals. The course consists of studies on increasing complexity of structure, body types, specialization of functions and habits and parasites of economic importance. It is not preeminently a pre-medical course, but a general culture course planned to deepen the student's background and knowledge of the animal kingdom.

Prerequisites: Biology 1, Chemistry 2 and 3. (4)

BIOLOGY 12. General Botany. The first course in botany will be a continuation of middle school botany, studying the physiology, morphology, and histology of the plant body with special emphasis on types and adaptations.

Prerequisites: Biology 1 and 11, and Chemistry 2 and 3. (3)

BIOLOGY 18. Vertebrate Zoology. This course is especially designed for pre-medical students, the laboratory work consisting of dissection and detailed study of types of vertebrate animals as *Amphioxus*, the shark, the frog, the turtle, the bird, and the mammal. The work begins with a study of the embryological development of the chick.

Prerequisite: Biology 11. (4)

The following courses will be conducted in English. For admission to them, students should have completed at least two years of college-grade English. They will be given in rotation through a four year period.

BIOLOGY 22. Systematic Botany. Studies of typical plants representing the more general groups of spermatophytes, including characteristics, phylogenic relationships, and groups of economic importance. Field trips for the purpose of studying the local flora and identification of spring flora.

Prerequisite: Biology 12. (3)

BIOLOGY 24. Non-Marine Algae. Systematic and ecological study of the local flora.
Prerequisite: Biology 22. (3)

BIOLOGY 27. Phytogeography. Studies and problems of geographic distribution of groups and species of plants in the Holarctic zone with special reference to groups of economic importance.

Prerequisite: Biology 22. (3)

BIOLOGY 28. Plant Ecology. Studies and problems in relationships of plants to their habitat and to each other, successions, etc., with the application of these principles in agriculture and economic biology. Detailed work on local formations, associations, and communities.

Prerequisite: Biology 27. (3)

BIOLOGY 31. General Entomology. Lectures on the characteristics of orders, sub-orders, life histories, interrelationships, crop and tree pests, and methods of control. Laboratory work includes work on insect anatomy and familiarization with larval forms of pest insects.

Prerequisite: Biology 12. (4)

BIOLOGY 32. Systematic Entomology. A continuation of Biology 31. Lectures on principles of classification and nomenclature, the important families with illustrations from insects of economic importance, adaptations, protective coloration, structures and habits, convergence, ecology and geographical distribution. Laboratory work includes special studies on wing venation, identification of 100 insects, and methods of collecting and preserving.

Prerequisite: Biology 31. (4)

BIOLOGY 33. Systematic Vertebrate Zoology. Our larger friends and neighbors, their phylogenic characteristics and relationships, life habits, and their relations to man and their environment. Lectures dealing with principles of classification and nomenclature, structural modifications, life histories and habits, protective coloration, structures and habits, adaptations, convergence, reproduction. Laboratory study of the parts employed in classification, and identification of the vertebrate animals of Shantung and North China.

Prerequisite: Biology 12. (4)

BIOLOGY 34. Systematic Invertebrate Zoology. Similar to Biology 33 but restricted to the invertebrate metazoa.

Prerequisite: Biology 12. (4)

BIOLOGY 35. Protista. Similar to Biology 33 but restricted to the protozoa and algae.

Prerequisite: Biology 12. (4)

BIOLOGY 36. Field Zoology. Collection, preservation, and identification of lower vertebrates and land and freshwater invertebrates; habits and life histories of selected examples. Includes Entomotaxy,—methods and technique useful in entomological study.

Prerequisite: Biology 11. (4)

BIOLOGY 37. Faunistic Zoology. Similar to Biology 27, but restricted to the vertebrates.

Prerequisite: Biology 33. (4)

BIOLOGY 38. Paleozoology. The trend of life through time and space, with special reference to the derivation of the fauna of China. Trips to the fossiliferous areas of Shantung and identification of fossils found.

Prerequisites: Biology 33 and 34. (4)

BIOLOGY 39. Advanced Systematic Zoology. Special systematic work on any one group of animals. Hours and credit to be arranged.

BIOLOGY 41 or 42. Ecology. Studies and problems in interrelationships of plants and animals and their environment, with the application of these principles in agriculture and economic biology. Detailed work in adaptation and adjustment, parasitism and predaceousness, formation of associations and communities, etc.

Prerequisites: Biology 22, 32 to 35. Hours and credit to be arranged.

BIOLOGY 43 or 44. Limnology. A study of fresh water life, conducted along the lines of Biology 41, but with special reference to aquaculture.

Prerequisites: Biology 22, 32 to 35. Hours and credit to be arranged.

BIOLOGY 45 or 46. Biogeography. Studies and problems in geographical distribution of groups of plants and animals in the Holarctic zone with special reference to groups of economic importance. Includes the subjects of migration, centers of distribution, climates, land masses and barriers.

Prerequisites: Biology 38 and 41. Hours and credit to be arranged.

BIOLOGY 47. Marine Ecology. Special problems, to be worked out during the summer at Tsingtao or other places along the coast.

Prerequisite: Biology 41. Summer Course.

CHEMISTRY.

William Henry Adolph, Ph. D., Professor, Head of Department.
Dzang Hwei-Chuen, Assistant Professor
Kao Chang-Keng, B. S.
Ts'ui Yung-Fu

The courses in chemistry are arranged for pre-medical students and for the training of college and middle school teachers of science. The attempt is made to train the student in the use of the laboratory method rather than to give him a knowledge of chemical technology. The laboratories occupy the ground floor of Bergen Hall and are equipped to fill these needs. Special advanced work, not indicated in the following courses, is provided for individual students who desire to specialize in analytical and physical chemistry. College graduates may be admitted for special research work.

CHEMISTRY 1. Air, Water, and Food. A popular study of the applications of chemistry to every-day life. Lectures, demonstrations, with no laboratory work; assigned readings, reports on current scientific problems of home and community. For non-science students.

Textbook—Bailey: Sanitary and Applied Chemistry. (2)

CHEMISTRY 3. General Inorganic Chemistry. Fundamental conceptions of chemistry; laboratory work accompanied by class conferences, developing the ideas of equilibrium, dissociation, solutions, etc.; type study of the non-metals; constant use of the quantitative method. (3)

Prerequisite—Entrance Chemistry.

Textbook—Tsao and Adolph: 近世無機化學.
Adolph and Dzang: 無機化學實驗教科書.

CHEMISTRY 3a. General Inorganic Chemistry. For students who do not have entrance credit in chemistry. (5)

CHEMISTRY 4. General Inorganic Chemistry. E. M. F. series; colloids; study of important groups of the metals. The latter part of the course is devoted to qualitative analysis, with methods of separation, accompanied by class conferences, developing the theory of reaction, and solutions. (5)

Prerequisite:—Chemistry 3.

Textbooks—Tsao and Adolph: 近世無機化學.
Adolph and Dzang: 無機化學實驗教科書.
Noyes: Qualitative Chemical Analysis.

CHEMISTRY 5. Quantitative Analysis. This is a course developing the concepts of modern physical chemistry, with quantitative measurements in the laboratory. The viewpoint of the kinetic theory is emphasized; a thorough study of solutions and equilibrium, drill in representative gravimetric and volumetric procedures, the theory of indicators, a study of hydrogen ion measurement, are included. (6)

Prerequisite: Chemistry 4.

Textbooks—Chapin: Second Year College Chemistry.
Chapin: Exercises in Second Year Chemistry.
Talbot: Quantitative Chemical Analysis.

CHEMISTRY 7. Quantitative Analysis. Review of practical problems in qualitative analysis. Advanced quantitative methods; analysis of alloys and minerals; electro-analysis; application of physical chemistry methods to precision analysis. (4)

Prerequisite: Chemistry 5.

Textbook—Talbot: Quantitative Chemical Analysis.

CHEMISTRY 8. Organic Chemistry. Elementary course; a survey of the more important compounds of the aliphatic series, with a briefer treatment of the aromatic compounds; laboratory study of type organic reactions, with principles of qualitative organic analysis. (6)

Prerequisite: Chemistry 5.

Textbooks—Cohen: Theoretical Organic Chemistry.
Fisher-Payne: 有機化學實驗教科書.

CHEMISTRY 9. Organic Chemistry. Laboratory preparation of some of the more complex organic compounds; a survey of those groups of compounds which have application in the industries; emphasis on dyes and dyestuffs. (4)

CHEMISTRY 10. Applied Chemistry. A study of the industries of Shantung, and the application of scientific methods to industry. Laboratory examination of fuels, oils, and commercial products; water analysis; analysis of ores. Reports, and visits to industrial plants. (4)

Prerequisites: Chemistry 5 and 8.

CHEMISTRY 11. Physical Chemistry. A study of theoretical principles and practice in the methods of physical chemistry; solutions; phase rule, thermo-chemistry, polarimetry, electro-chemistry, conductivity. (4)

Prerequisites: Chemistry 7 and 8.

CHEMISTRY 12. Foods and Nutrition. Study of the principles of nutrition and metabolism; food analysis; elements of bio-chemistry. (4)

Prerequisites: Chemistry 5 and 8.

Textbook—Sherman: Chemistry of Food and Nutrition.

CHINESE LITERATURE AND PHILOSOPHY

Chou Kan-T'ing, Associate Professor, Head of the Department.
Luan T'iao-Fu, Instructor.
Wang Yun-Chu.

Students in the School of Arts and Science are required to study 16 semester hours of Chinese. In addition, students of the first two years are required to take each semester a course in essay writing, the hours of which are arranged.

CHINESE 1 and 2. Selections from Ancient and Modern Essays, 古今文選. The course is required of first year students in Pre-Medicine. (2,2)

CHINESE 3 and 4. Practical Letter-Writing, 實用文. Social letters, business letters, preparation of documents, etc. The course is required of second year students in Pre-Medicine, and of first year students in Arts and Science. (2,2)

CHINESE 5 and 6. The Philosophy of Mo-Tzu, 墨子. The course is required of students in the second year in Arts and Science. (2,2)

Courses 7 to 20 are intended for students in the second and third years in Arts and Science. They are not given every year, but only as a sufficient number of students elect them.

CHINESE 7. The Philosophy of Confucius, 孔子哲學. (2)

CHINESE 8. The History of Ancient Philosophy, 中國上古哲學史. (2)

CHINESE 9. Methods of studying Literature, 文學研究法. (2)

CHINESE 10. A Study of Confucian Analects 論語研究. (2)

CHINESE 11. Ancient Poetry, 古詩. (2)

CHINESE 12. A Study of the Ballads of the Sung Dynasty, 宋詞研究. (2)

CHINESE 13. A Study of the Dramas of the Yuan Dynasty, 元曲研究. (2)

CHINESE 14. A Study of Couplets, 駢體文. (2)

CHINESE 15. A Study of Chinese Characters, 文字學. (3)

CHINESE 16. The Philosophy of Chuang-Tzu, 莊子. (2)

CHINESE 17. The History of Chinese Classics, 經學歷史. (2)

CHINESE 18. A New Commentary on Confucian Analects, 論語新語. (2)

CHINESE 19. The Teaching of Chinese in Middle Schools. See Education 27. (2)

CHINESE 20. The History of Literature, 文學史. (2)

Courses 28 to 34 are intended for students in the fourth year. They are not given every year, but only when a sufficient number of students elect them.

CHINESE 28. The Poems of the Han Dynasty, 漢賦. (2)

CHINESE 29. The Poems of the Kingdom of Chu, 楚辭. (2)

CHINESE 30. A Study of the Book of Poetry, 詩經. (2)

CHINESE 31. A Study of Tso-Chuan, 左傳. (2)

CHINESE 32. A Study of the Canon of History, 書經. (2)

CHINESE 33. A New Commentary on Meng Tzu, 孟子新語. (2)

CHINESE 34. The Book of Rites, 儀禮. (2)

EDUCATION

Li Tien-Lu, M. A., Ph. D., Professor, Acting Head of Department.
Harold Frederick Smith, B. A., M. A., Associate Professor.
Frederick Seguir Drake, B. A., B. D., Associate Professor.
Bettice Alston Garside, B. A., M. A., Associate Professor.
Ch'eng Ch'i-Pao, B. S., M. A., Ph. D.
Ts'ui Hung-Chai, Assistant Instructor

The courses in education are offered primarily to meet the needs of the high percentage of students planning to teach in middle schools. Courses 1, 5, 7, and one of courses 26 to 32, are required of all students in the Arts and Science Courses in fulfillment of the minor in education. Twenty-four semester hours of credit in education are required of candidates for a certificate as teacher in middle schools. These should include Education 1, 5, 6, 7, and 9. Courses leading to a certificate in administration and supervision are offered to advanced students in education; and courses leading to a certificate as teacher in elementary schools will be offered when there is a demand for them. Practice teaching and the observation and participation in connection with the methods courses are carried on in the University Middle School and in the Ch'ung Teh Elementary School. Courses 1, 4, 5, 6, 7, 9, 19, and 24 are given regularly; courses 26 to 40 are given in alternate years; and courses 48 to 52 are given in cooperation with the faculty of the School of Theology. The other courses are offered from time to time as desired.

EDUCATION 1. Introduction to Teaching. A general orienting course required of all freshmen. The meaning of education, objectives, the social point of view, introduction to the learning process, the child, the teacher, types and levels of teaching, the school system. The course is given in Chinese. A reading knowledge of English is desirable but not required. (2)

EDUCATION 4. School Hygiene. Play and playgrounds; buildings; light; seating; heat; ventilation; sanitation; community hygiene; physical and mental habits; health clubs; physical defects; the hygiene of instruction. The course is given in Chinese. (3)

EDUCATION 5. Educational Psychology. The learning process. This course attempts to analyze the fundamental conceptions and facts relative to the learning process and to show the significance of the various mental functions of human beings. (4)

EDUCATION 6. Educational Psychology. Psychology of learning. This course treats of the Laws of Learning, economy of learning, transference of training, influence of work upon efficiency, etc. Education 6 is a continuation of Education 5, but may be taken separately. The courses are given in Chinese, but a reading knowledge of English is desirable. (4)

EDUCATION 7. Teaching in Middle Schools. Introductory; development and scope. The students,—a brief study of their special characteristics and problems. The curriculum,—an investigation of the curricula now in use, a discussion of how and where they should be improved, and a study of how best to use them. Teaching methods,—a brief discussion of method in its application to the middle school. Discipline,—a study of the ends sought, and of the best methods of attaining them. Extra-curricular activities,—their part in school life, and the teacher's share in them. The course is given in Chinese. (4)

EDUCATION 9. Observation, Participation, and Practice Teaching. The course consists of carefully graded and supervised observation of teaching, participation in the work of the class-room, and practice teaching, together with a study of the technique of teaching. Each student will meet daily with his supervisor for the discussion of his work. Open only to junior and senior students. The course is given in Chinese. (4)

EDUCATION 10. Practice Teaching. A continuation of Education 9, in the following semester. (4)

EDUCATION 11. Child Psychology. This course is designed to present the facts concerning the nature and development of the mind during childhood, especially with reference to the meaning of these facts to the teacher. (4)

EDUCATION 13 or 14. Elementary Education. The problems of elementary education, the curriculum, the project method, socializing school life, discipline, etc. (3)

EDUCATION 18. Rural Community Problems. A study of the religious, social, and economic conditions in rural life in China. See courses of School of Theology. (3)

EDUCATION 19. The Rural School. Problems and methods; the leadership of the teacher; community life, national and provincial agencies to be relied upon, The course is given in Chinese, but a reading knowledge of English is desirable. (3)

EDUCATION 22. Educational Sociology. The place of education in the progress of society. (4)

EDUCATION 24. Educational Measurements. The place of measurement in education; classification and construction of tests; instructions for and application of tests; scoring; conserving results. A limited amount of practical work in the administration, scoring, and interpretation of tests will be required, Education 1 and 5 are prerequisites for this course. Instruction is given in Chinese and English. (4)

EDUCATION 26. The Teaching of History. A brief survey of the development of school instruction in history, and an appraisal of existing systems of history teaching; aims and values; principles and practices in constructing a course; difficulties and methods; the use of maps, charts, pictures, and source materials; texts and literature. (2)

EDUCATION 27. The Teaching of Chinese. A review of the subject matter available and a study of various methods of teaching. The course is given in Chinese. It is offered in alternate years—next being given in 1928. (2)

EDUCATION 28. The Teaching of Mathematics. The meaning of the teaching of mathematics; a review of subject matter; mathematics as the foundation for science study; mathematics and daily life, —mental stimulation, accuracy of thought, stimulus to student initiative and independence, and an exposition of the teacher's part in securing these values. The aim of mathematics; subject matter; sequence of courses and topics and their limits; correlated mathematics compared with distinct courses in mathematics; methods in mental and written mathematics; methods in algebra, geometry, and trigonometry; theoretical and practical mathematical problems; short methods; graphs; practical applications; use of tables; use of mathematical instruments; collateral study; a history of mathematics. The course is given in Chinese. It is given in alternate years, being next given in 1929. (3)

EDUCATION 29. The Teaching of English. The development of aims and practices in teaching English; the psychology and principles of language study; phonetics; a review of subject matter; characteristic difficulties of Chinese students; texts; tests; the construction of a course. The course is given in English. It is given in alternate years, next being given in 1929. (3)

EDUCATION 30. The Teaching of Geography. In this course, in that geography is not taught separately in the University, it is necessary to give a certain amount of content as well as of method. Hence the course will have for its first aim the formation of the fundamental conceptions of physical, economic and human geography. The chief phenomena will be illustrated by detailed study of regions, and there will be an attempt to give the students practice in first-hand geography, by practical surveys in the home region. Emphasis will be laid upon such practical work as mapping and recording of weather observations. The course will close with a discussion of the methods of teaching geography in primary and middle schools. (5)

EDUCATION 32. The Teaching of Science. A history of the development of science and science teaching, its aims and practices; the scientific attitude; the influence of science on human progress; the psychology of science study; a review of subject matter; the construction of courses in General Science, Biology, Physics, and Chemistry,—their relation to each other and to other courses; laboratories, equipment and methods; characteristic difficulties; texts; literature, sources of materials. The course is offered in alternate years,—next offered in 1930. (2)

EDUCATION 33 and 34. The Teaching of Music. See Music 5 and 6. (2,2)

EDUCATION 35 and 36. The Teaching of Drawing. See Drawing 1 and 2. (2,2)

EDUCATION 38. The Principles of Education. An integrating course bringing together the details of theory and practice, and leaving the student with a unified body of educational doctrine. The definition of education; objectives; the nature of subject matter; the individual and society; educational values; formal discipline; liberal and vocational education. The course is given in English and Chinese. It is open to advanced students only. This course alternates with Education 40. It is next given in 1930. (4)

EDUCATION 40. The History of Education. A brief survey of education from the earliest times to the 18th century; education from the 18th century to the present; nationalism and democracy in education. The Chinese educational situation. Open only to advanced students. The course is given in Chinese. It alternates with Education 38—being given next in 1929. (4)

EDUCATION 41. The Administration and Supervision of Middle Schools. The course of study; the daily program; the opening days; registration; records,—student and financial; selection of text books; classification of students; persistence in school; discipline; improvement of instruction; teachers' meetings; classroom supervision; intellectual and moral tone of the school; extra-curricular duties,—athletics, the assembly hall, dormitories, social functions, relations to the community; standards; making the most of equipment and supplies. A reading knowledge of English is required. (4)

EDUCATION 48. Principles of Religious Education. A general view of the principles of Religious Education, covering the purpose and the psychological background. Based on Coe's "A Social Theory of Religious Education", and "Education in Religion and Morals". (3)

EDUCATION 49. *The Psychology of Adolescence, as Related to Religious Life.* A study of the psychology of "the 'teen age" and its moral and religious problems, and of the best methods for guiding students during this critical period. (2)

EDUCATION 50. *Problems of Adolescent Girls.* Especially adapted to China. Education 43 is a prerequisite. Based in part on Moxcey's "Girlhood and Character", and "Leadership in Girls' Activities". (2)

EDUCATION 51. *Religious Education in Middle Schools.* The course also deals with the religious education of adolescents in Sunday Schools and Week-day Church Schools. The topics include the aims of religious education in middle schools, subject matter or curriculum, and a study of methods not only for classroom work but also for expressional activities. Prerequisites, Education 42 and 43. (2)

EDUCATION 52. *Religious Education in Middle Schools.* Continuation of Education 45. Definite subjects in the middle school curriculum of religious education, combining lectures with supervised teaching in a middle school, Sunday School, or Week-day Church School, and expressional activities or projects where the work of adolescents is shared by students taking this course. (2)

EDUCATION 62. *The Philosophy of Education.* A general introductory course. (3)

ECONOMICS

(See Sociology)

ENGLISH

Francis Stevenson Hutchins, B. A., Acting Head of Department.
Dwight Condo Baker, B. L., M. A., Ph. D., Associate Professor.
Majorie Rankin, B. A.
Sun T'ien Hsi,
Ch'in Yu, B. Sc., M. A.

The student on matriculation is presumed to have had six years of English in the middle school. The entrance standard is a "T" score of fifty-six in the various tests given. The courses are planned to increase the student's facility in the use of oral and written English, in the use of English reference books, and to make him acquainted with some of the more important works of English literature.

Each student is required to complete sixteen semester hours of work in the English department. Entering students who do not come up to the standard of a "T" score of 56 must take English in the University Middle School without college credit. Students may receive advanced standing according to their ability, and the requirement of sixteen semester hours be waived in part or in whole.

ENGLISH C. This class uses as a text Graybill's *Writing English Part I*. Reading will also be required. Frequent written work is required. This class is designed for freshmen whose standard is such that they cannot use English with ease. Five hours recitation. First semester. (4)

ENGLISH D. This class is a continuation of English C. Five hours recitation. Second semester. (4)

ENGLISH 1. This class is similar to class C and is also designed for underclassmen. The student is expected to have completed English C and D, or to have an equivalent standard. The work is largely drill, an abundance of practice with oral and written forms. (4)

ENGLISH 2. This class is a continuation of English 1, in the second semester. (4)

ENGLISH 11. Using Huizanga's "World's Best Short Stories" as a text, this class will do a great deal of written work. Emphasis is placed on the correct use of English idioms both in speech and writing. (4)

ENGLISH 12. This class, while a continuation of course 11, will include much more and wider reading. Throughout, clear, simple, idiomatic English will be insisted upon. (4)

ENGLISH 13. This class is designed for those who have completed the elementary English and who desire to go on with more difficult work. One of the standard works of English literature will be used as a text. (3)

ENGLISH 14. This class is a continuation of class 13. (3)

FINE ARTS

1. Music

Joseph Walter Hunter, Associate Professor of Fine Arts.

MUSIC 1 and 2. *University Choir.* Two hours a week of practice, besides daily attendance at the Chapel and Church Services. (1,1)

MUSIC 3 and 4. *Piano.* Instruction, and the use of a piano. (1,1)

A special fee of \$15. per semester is made for this course.

MUSIC 5 and 6. *The Teaching of Music.* A course in the teaching of school singing, consisting of class work and of practice teaching in the University middle and elementary schools. It is intended to fit students to lead singing and to teach simple part songs. See Education 33 and 34. (2,2)

2. Drawing

DRAWING 1 and 2. *The Teaching of Drawing.* This course consists of class work and of practice teaching in the University middle and elementary schools. See Education 35 and 36. (2,2)

HISTORY AND POLITICAL SCIENCE

John J. Heeren, M. A., Ph. D., Professor, Head of Department.

Chang Li-Chih, Assistant Professor.

1. History

HISTORY 1. *History of Western Europe from 476 to 1648.* The aim of this course is to give the student the essentials of European history from the fall of the Western Empire to the end of the religious wars. Special emphasis is placed upon those movements and institutions which had an appreciable influence upon the modern world. (4)

HISTORY 2. History of Modern Europe. The history of Europe is traced from the end of the religious wars to the present day. Emphasis is placed upon the important social, industrial, religious and political movements and upon the changes that have shaped the Europe of to-day. Towards the end of the course special emphasis is placed upon the causes and issues of the Great War together with the resulting problems of reconstruction. Map work and reports are required. (4)

Prerequisite: History 1, or its equivalent.

HISTORY 3. English History. To give a general view of English history is the aim of this course. Besides tracing the outlines of political and constitutional development, it gives the student a brief survey of social and industrial evolution as well as of colonial expansion. (4)

Prerequisite: a working knowledge of the English language.

HISTORY 4. United States History. This is a general course in the history of the United States. After a brief outline of European beginnings the course aims to trace the main features of the social, economic, political and constitutional development. Reports and map work will be required. (4)

Prerequisite: History 3.

HISTORY 5. Chinese History I. This is a rapid survey in the ancient history of China from the earliest times to the beginning of the Tsin dynasty. Special emphasis is placed upon the development of Chinese social and political institutions and the progress of Chinese thought. Reports, reference reading and map work are a part of the work of the course. (2)

HISTORY 6. Chinese History II. Course II traces the main features of the educational, social and political development from the beginning of the Tsin dynasty to the coming of the European traders in 1517. Special emphasis is placed upon the introduction of Buddhism during the Han dynasty and intercourse with the Occident during the Yuan dynasty. Reports, reference readings and map work are required. (4)

Prerequisite: History 5.

HISTORY 7. Chinese History III. This is a course in modern Chinese history from 1517 to the present day. The emphasis is placed upon the religious, educational, political and diplomatic changes and development so as to lead the student to a better understanding of China's present condition and problems. Lectures, reports, reference reading and map work constitute the main features of the course. (4)

HISTORY 9 and 10. Essentials of Political and Economic Geography. This course aims to give to the students of the department the essentials of political and economic geography so as to enable them to pursue their history courses with profit and efficiency. This is a two-hour course extending throughout the year, the autumn term dealing with the Eastern Hemisphere and the spring term with the Western Hemisphere. (2,2)

HISTORY 12. Geographical Factors in History.

An attempt is made in this course to give the students some idea of the influence of geography upon world history. The desert, the sea, the ocean, the plain, the forest and other geographical factors are discussed in the light of their bearing upon human history. (2)

HISTORY 21 or 22. History of the Far East. This is a general survey of the outstanding social, industrial and political changes in China, Siberia, Korea, the Philippine Islands, India and Japan from the time of the opening of Japan to the present day. Reports, reference reading and map work are required of students taking this course. (4)

HISTORY 23 or 24. World History from 1815 to 1928. Beginning with the Industrial and the French Revolutions the student traces the efforts to suppress revolutionary tendencies, the old and the new colonial policies, the struggle against the fourth estate and the economic imperialism ending in the Great War. The latter part of the course treats somewhat in detail the problems of reconstruction and the various movements and organizations working for world federation. Open only to mature students who can read English readily. (4)

HISTORY 25. Historical Seminar. One hour a week will be spent in a detailed study of documentary source material in some field of Chinese history. The main aim is to acquaint advanced students with the methods of historical research. (2)

HISTORY 26. The Teaching of History. See Educational Courses.

HISTORY 30 or 31. Early Man and his Tools. The aim is to give the main facts of early man and his tools by means of lectures, lantern slides and historical models. The work is done in Chinese and is open to any student in the University. (1)

HISTORY 32 or 33. China's Treaties with the West. In this course the student is given a brief but comprehensive survey of the main treaties between China and the Western powers from 1842 to the present day. The work is done in Chinese and is open to any student in the University. (1)

2. Political Science

POLITICAL SCIENCE 1. Chinese Government. This is an analysis of the organization, methods of work, and functions of the Chinese government, both central and local, with special emphasis upon the constitutional development under the Republic. The approach, however, is practical rather than theoretical. (4)

POLITICAL SCIENCE 2. Introduction to Political Science. The course deals with the origin and development of the state, the nature of the state, sovereignty, political theory and the structure and functions of government. (4)

Prerequisites: History 1 and 2.

POLITICAL SCIENCE 3. Comparative Constitutional Government. An attempt is made to compare the constitutional development of England, the United States, Switzerland, France and modern China. The aim is to train the student to compare critically the evolution and the value of China's constitution with those of the constitutions of the leading democracies. (4)

Prerequisites: History 1, 2, 3 and 4.

POLITICAL SCIENCE 4. International Law. This course deals with the origin, development, principles, and problems of international law, with special emphasis upon China's international relations.

Prerequisites: History 1, 2, and 7; and Political Science 1.

(4)

MATHEMATICS AND ASTRONOMY

Wang Hsi-En, (S. C. U.), Professor, and Head of Department.
T'ien Hsi-Ching, (S. C. U.), Associate Professor.

1. Astronomy

ASTRONOMY 1. Descriptive Astronomy. The earth; astronomical instruments and their adjustment; the orbit of the sun, the sun, the moon, tides, eclipses of the sun and moon; solar system, planets, meteors. (3)

ASTRONOMY 2. Descriptive Astronomy. Continuation of Astronomy 1. (3)

ASTRONOMY 4. Meteorology. (2)

ASTRONOMY 5. Applied Astronomy. The use and correction of the equatorial instrument, transit, zenith telescope, sextant; calculation of right ascension, declination, latitude and the azimuth of a star, mean solar time, sidereal time, latitude; use of the almanac; calculation of the eclipses of the sun and moon. (4)

ASTRONOMY 6. Applied Astronomy. Continuation of Astronomy 5. (4)

2. Mathematics

MATHEMATICS 1. Analytical Geometry. Loci and their equations, the straight line, circle, different systems of co-ordinates, parabola, ellipse, hyperbola, loci of the second order, higher plane curves, the point in space, the straight line in space, surfaces of revolution, and transformation of co-ordinates. (4)

MATHEMATICS 2. Analytical Geometry. Continuation of Mathematics 1. (4)

MATHEMATICS 3. Surveying. The use of the tape, compass, transit, and level; land surveying; leveling; triangulations; railroads; and river surveying. (4)

MATHEMATICS 4. Advanced Algebra. Ratio and proportion, variation, permutations and combinations, continued fractions, indeterminate equations, arithmetical series, geometrical series, logarithms, theory of equations, higher numerical equations. (4)

MATHEMATICS 5. Spherical Trigonometry. The right spherical triangles, and the applications of spherical trigonometry. (3)

MATHEMATICS 7. Differential Calculus. Functions, differential coefficient, differentiation, successive differentiation, implicit functions, expansion of functions, indeterminate forms, partial differentiation, certain curves, direction of curves, tangent and normal points of inflection, curvature, evolute and involute, osculation circle, envelopes, maxima and minima. (4)

MATHEMATICS 8. Integral Calculus. Elementary forms of integration, integration by substitution, integration by parts, integration by successive reduction, integration of the trigonometric functions, successive integration, applications of integral calculus. (4)

MATHEMATICS 9. Applied Calculus. (3)

PHYSICS

Harold Wilson Harkness, B. A., B. S., Professor, Head of Department.
Chang, David Cheng, B. Sc., M. Sc.,
Wang Ping-Hsiao, (S. C. U.), Instructor.

In the courses as shown below the students will spend two periods of two hours each per week in the laboratory. One period of one hour per week is given to class instruction and discussion of laboratory work.

PHYSICS 1. Mechanics. Equilibrium of a particle and a rigid body, motion of a particle and a rigid body, work, energy, laws of impact, elasticity and S. H. M. (4)

PHYSICS 2. Properties of Matter and Heat. The gas laws, density of solids, liquids, gases and vapours, measurement of temperature, hygrometry, calorimetry, viscosity, change of state and radiation. (4)

PHYSICS 3. Electricity and Magnetism. Elementary discussion of the electro-magnetic field. Electric currents, P. D., resistance, temperature coeff. of resistance, capacity, e. m. f., electro-magnetic induction, electrolytic conduction, radio-activity, thermo-electromotive force, magnetic induction, thermionic emission, electric machines. (4)

PHYSICS 4. Optics and Sound. Elementary geometric optics covering the laws of reflection, refraction, and formation of images by lenses and mirrors with applications to optical instruments. Physical optics covering reflection, refraction, diffraction, polarization, dispersion and spectra, and X-Rays. Sound. Wave motion, resonance, and velocity of sound. (4)

More advanced courses will be arranged for Arts and Science students provided the number of students majoring in Science justifies it.

Text and reference books for the above courses are as follows:

Mechanics Molecular Physics and Heat—Millikan.

Electricity Light and Sound—Millikan and Mills.

Practical Physics (Chinese or English)—Millikan and Gale.

Practical Physics—Watson.

Manual of Physical Measurements—Read and Guthe.

General Physics for Colleges—Webster, Farwell and Drew.

POLITICAL SCIENCE

(See History)

PSYCHOLOGY

Li T'ien-Lu, M. A., Ph. D., Professor, Head of Department.
Ts'ui Hung-Chai, Assistant Instructor.

PSYCHOLOGY 1 and 2. General Psychology. This course is intended for beginning students. It treats of the main functions of the mind, such as Sensation, Perception, Attention, Memory, Imagination, Thought, Feeling, and Will. (2,2)

PSYCHOLOGY 3 and 4. Educational Psychology. See Education 5 and 6. (4,4)

PSYCHOLOGY 5 and 6. Experimental Psychology. (3,3)

RELIGIOUS INSTRUCTION

Howell Portman Lair, S. T. M., D. D., Professor, Head of Department.
Members of the Faculty of the School of Theology.

The courses listed below are given in the School of Arts and Science. Not all of the courses can be given in any one year, but students will have an opportunity to elect any course before completing the requirements for graduation. Other courses in the School of Theology may also be elected by a student in the School of Arts and Science on the approval of the Head of his Department and the Dean of the School of Theology. The members of the Theological Faculty assist in the instruction in this Department.

RELIGIOUS INSTRUCTION 3 and 4. Old Testament History. Covering the historical sections of the Old Testament to the return from captivity, with introductions to the Prophets, and special attention given to the geography of Bible lands. Lectures, outlines, assigned readings, term papers. Two hours a week through the year. (2,2)

RELIGIOUS INSTRUCTION 5 and 6. Life of Christ. A study of the life and character and work of Jesus, with special reference to contemporary history and interpretation of His teachings. Text book with reference work and supplementary lectures. Two hours a week through the year. (2,2)

RELIGIOUS INSTRUCTION 7 and 8. Apostolic History. A detailed study of the problems and conditions of the early church with application of the principles there found to present-day needs. Introduction to apostolic literature. Text book and lectures. Two hours a week through the year. (2,2)

RELIGIOUS INSTRUCTION 21 and 22. History of Religion. A study of the origin and development of the great living religions, with special attention given to the sacred scriptures and the influence of the various religions on the practical life of the people. Lectures, assigned reading, topical reports, term papers. Two hours a week through the year. (2,2)

RELIGIOUS INSTRUCTION 23 and 24. Interpretation of the Bible. An examination of the various types of scriptural passages which are difficult to harmonize with modern thought, and suggestions as to their use. Also a sketch of the historical development of some great teachings in the Bible. Lectures, assigned readings, topical reports, term papers. Two hours a week through the year. (2,2)

RELIGIOUS INSTRUCTION 25 and 26. Apologetics. An examination of the fundamental facts and principles of the Christian religion, showing that the known facts of Christianity meet the needs of man's religious nature; and a review of the evidences for Christian belief. Two hours a week through the year. (2,2)

RELIGIOUS INSTRUCTION 27 or 28. Origin and Development of the Hebrew Religion. A study of the growth of great religious ideas as illustrated in the history of the Hebrews. English text, with supplementary syllabus. Topical reports, term papers. Two hours a week for one semester. (2)

RELIGIOUS INSTRUCTION 29 and 30. Modern Life and the Teachings of Jesus. A discussion of present day problems in the light of the recorded teachings of Jesus. Syllabus of topics with references and supplementary reading. Topical reports and term papers. Two hours a week through the year. (2,2)

RELIGIOUS INSTRUCTION 32. The Historical Background of Christianity. A historical study of intertestamental and New Testament times. Lectures with supplementary readings and topical reports a week for one term. (2)

SOCIOLOGY, SOCIAL SERVICE, AND ECONOMICS

Albert G. Parker, Jr., A. B., B. D., Associate Professor, and Head of Department.
Wu Gin-Ding David, (S. C. U.), Instructor.

In general, the courses up to 10 are open to freshmen; up to 20, to sophomores, and the others to upper classmen.

The students majoring in the department are expected to take Sociology 1, 3, either 9 or 10, either 20 or 26, 27 or 29, and 32. Economics 11 is also required.

1. Sociology

SOCIOLOGY 1. Introduction to Sociology. This course is for first year students in the department and for others who are beginning their study of sociology. The classroom work is in Chinese. English and Chinese reference readings are required. This gives a general introduction to the chief concepts and problems of sociology. (4)

SOCIOLOGY 3. Material for the Study of Social Science. This course is for the first year students in the department and for others who may be interested. The purpose is to give the student a knowledge of what material is available in the library for the study of social problems so that he will be able to find the material when he needs it. (1)

SOCIOLOGY 9. The Modern City. The students are required to visit a number of the institutions of Tsinan. Especial emphasis is given to the social problems of this city. The readings are largely in English. (2)

SOCIOLOGY 10. Social Investigation. This course is in Chinese. There will be English reference readings. The purpose is to teach the student the methods of studying the society in which he lives. (2)

SOCIOLOGY 14. Christian Attitudes toward Social Problems. The classroom work of this course is in Chinese. The purpose is to study particular social problems with reference to the attitude which Christians take in regard to the problems. (2)

SOCIOLOGY 15. The Family. The classroom work in this course is in Chinese. English and Chinese reference books are used. The course deals with the origin, development, forms and functions of the family. Especial emphasis is given to the Chinese family system. (2)

SOCIOLOGY 16. Social Pathology. Queen's textbook is used in this course. The class work is in English. The student studies the pathological conditions to be found in society. (2)

SOCIOLOGY 20. Social Psychology. This course deals with inborn impulses, the relative effects of heredity and environment, the social processes between individuals in society, social control, social attitudes, etc. There are two Chinese textbooks and several English textbooks which are used for reference. (3)

SOCIOLOGY 21. Social Evolution. This course considers the factors at work in the evolution of society. There are texts in Chinese and English for reference. (2)

SOCIOLOGY 23. Race Problems. The purpose of this course is to study the meaning of race and the points wherein races are different. It seeks a solution based on scientific considerations for the pressing problems of race relations. The readings are in English. (1)

SOCIOLOGY 25. Social Science and the Bible. The purpose of this course is to show how the Bible may be interpreted in the light of the principles and facts of social science. It is pointed out that the principles of Christianity are necessary fundamentals of a sound social order. (1)

SOCIOLOGY 26. Social Control. Lumley's text is the basis for the classroom work in this course. Lectures supplement the material of the text and readings. (2)

SOCIOLOGY 27. Critical Study of Chinese Social Problems. This course is for advanced study of social problems. The student is expected to do independent study on a limited field. (4)

SOCIOLOGY 29. Anthropology and Pre-literate Society. (3)

SOCIOLOGY 30. Principles of Sociology. (4)

SOCIOLOGY 32. Human Nature Becoming Christian Nature. (4)

2. ECONOMICS

ECONOMICS 1-2 Bookkeeping. Kirk and Street's textbooks are used. The work is in English and the student is expected to be able to follow the directions for the work. (3,3)

ECONOMICS 11. Principles of National Economy. Carver's text is used. The classroom work is in English and Chinese. Second year students in the department are expected to take this course. (4)

ECONOMICS 12. Statistics. (4)

ECONOMICS 13. Business Administration. (4)

ECONOMICS 14. Financial Organization of Society. (4)

ECONOMICS 15. The Laborer in Industry. (4)

ECONOMICS 16. The Social Control of Industry. (4)

ECONOMICS 17. Risk and Risk-bearing. (4)

BULLETINS OF INFORMATION

The following Bulletins are published by the University, and may be obtained by application to the Registrar of Shantung Christian University:—

Bulletin No. 57. Bulletin of General Information for the whole University (English).

Bulletin No. 58. Bulletin of General Information for the whole University (Chinese).

Bulletin No. 59. Bulletin of the School of Arts and Science (English).

Bulletin No. 60. Bulletin of the School of Arts and Science (Chinese).

Bulletin No. 61. Bulletin of the School of Medicine (English).

Bulletin No. 62. Bulletin of the School of Medicine (Chinese).

Bulletin No. 63. Bulletin of the School of Theology (English).

Bulletin No. 64. Bulletin of the School of Theology (Chinese).

