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1931-1942

CHEELOO UNIVERSITY  
(SHANTUNG CHRISTIAN UNIVERSITY)

TSINAN, CHINA

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Colleges of Arts and Science  
English Catalogue  
1931

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University Bulletin No. 82

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PRINTED AT THE UNIVERSITY PRESS

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**CALENDAR**

**1931**

- June 1 Last day for receiving applications for First Entrance Examination; Centres other than Tsinan.
- June 14 Baccalaureate Sermon.
- June 20 Spring Term closes.  
Commencement
- June 22-24 Medical College Entrance Examination.
- June 29 Last day for receiving applications for First Entrance Examination; Tsinan Examination Centre.
- July 6-8 Arts and Science Colleges First Entrance Examination.
- August 1 Last day for receiving applications for transfer from other universities.
- August 20 Last day for receiving applications for Second Entrance Examination.
- August 24-26 Arts and Science Colleges Second Entrance Examination, Tsinan only.
- September 1 Autumn Term opens.

Vacations and Commemoration Days will be fixed in accordance with the Regulations of the Ministry of Education.

**BOARDS OF ADMINISTRATION**

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**BOARD OF GOVERNORS**

**NORTH AMERICAN SECTION**

Secretary: **BETTICE A. GARSIDE, M. A.**  
150 Fifth Avenue, New York City.

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**BRITISH SECTION**

Secretary: **H. H. WEIR, M. B., B. S.**  
Edinburgh House, 2 Eaton Gate, London, S. W. 1.

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**BOARD OF DIRECTORS**

January 1931

**H. H. K'UNG, M. A., Litt. D., Nanking. Chairman**

*Elected Mission Representatives*

American Presbyterian Mission, North  
**C. Y. CH'ENG, D. D., Shanghai**  
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**CLEMENTINE BASH, M. D., Peping**  
American Presbyterian Mission, South  
**MRS. N. D. GRIER, M. D., Hsuechow**  
English Baptist Mission  
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London Mission  
**T. COCKER BROWN, B. A., B. D., Shanghai.**  
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**RT. REV. BISHOP T. A. SCOTT, M. A., D. D. Taian, Vice-Chairman**  
Society for the Propagation of the Gospel, Women.  
**MISS JOAN CH'ANG, Peping**  
United Church of Canada Mission  
**G. K. KING, B. A., Weihwei.**  
Wesleyan Methodist Mission  
**H. T. CHIANG, M. B., Hankow.**  
Women's Foreign Missionary Society.  
**MISS H. H. TSENG, B. S. M. A., Peping.**

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**T. C. CHANG, Tsinan**  
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**S. C. CH'UAN, M. D., Tientsin**  
**C. L. HSIA, B. Sc., M. A., Ph. D., Shanghai**  
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Vice-President  
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Dean of the College of Medicine  
T. I. LINN, M. S.  
Dean of the Colleges of Arts and Science  
L. H. LIU YUI, M. A.  
Dean of Women.  
H. P. LAIR, B. A., B. D., S. T. M., D. D.  
Treasurer  
P. C. KIANG, B. A., M. D.  
Representative of the Senate.

### UNIVERSITY SENATE

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President. *Chairman*  
Vice-President.  
Dean of the College of Medicine.  
Dean of the Colleges of Arts and Science.  
Dean of Women  
Head of each Department  
Elected Representative from each Faculty  
Treasurer  
Registrar  
Business Manager

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K'UNG HSIANG-HSI, M. A., Litt. D. President  
LLEWELYN J. DAVIES, B. A. Vice-President  
T. I. LINN, M. S. Dean of Colleges of Arts and Science.  
LAN-HUA LIU YUI, M. A. Dean of Women  
HOWELL PORTMAN LAIR, B. A., B. D., S. T. M., D. D. Treasurer  
FU WEI-FANG B. Sc. Assistant Registrar  
JESSE B. WOLFE, B. A. Business Manager.

### TEACHING STAFF

---

WANG CH'IH-NAN B. A. (Peping) Instructor in Party Principles.  
CHAO CHING-KANG, (Cheeloo), B.P.E. (Soochow) Instructor in Physical Education.

### COLLEGE OF ARTS

ELEANOR BOOTH, B. A. (North-Western). Department of Foreign Languages  
ARTHUR L. CARSON, M.A. Department of Education.  
CHANG LI-CHIH, B. A. (Cheeloo). Assistant Professor of History and Political Science.  
CHANG WEI-HUA, B.A. (Cheeloo). Department of History and Political Science.  
CHOU KAN-T'ING, Pa Kung; (Hungwen, Japan). Associate Professor and Head of Department of Chinese.  
FAN TI-JUI, B. A. (Cheeloo). Department of Sociology.  
JOHN J. HEEREN, B.A. (Grinnell), B.D. (McCormick), M.A. (Chicago), Ph. D. (Halle-Wittenberg). Professor and Head of Department of History and Political Science.  
RALPH M. HOGAN, B.A., M.A., Ph. D. (Chicago). Department of Education.  
HSU PING-LI, B.A. (Peping). Department of Chinese.  
HU LI-CH'U, Chü Jen; (Tokyo Law College). Department of Chinese.  
JOSEPH WALTER HUNTER, Professor of Fine Arts.  
LYDIA M. JACOT B.A. (Hunter) M.A. (Columbia) Department of Foreign Languages.

STANTON LAUTENSCHLAGER, B. A. (Huntington), M. A. (Michigan).  
Associate Professor and Head of Department of Foreign Languages.

LI YUN-LIN, Chü Jen; (Tokyo Law Collège). Department of Chinese.  
LUAN T'IAO-FU. Department of Chinese.

SHU SHE-YU, (Peking Normal). Department of Chinese.

TS'UI HUNG-CHAI, (Cheeloo). Department of Education.

WANG CH'ANG-PING, Ph. D. (Michigan). Head of Department of Education.

LAN-HUA LIU YUI, B. A. (Peping), M. A. (Columbia). Department of Education.

YU T'IENT-HSIU, A. B. (Maine), LL. B. (Valparaiso, Ind.), A. M., Ph. D. (Clark). Head of Department of Sociology

#### COLLEGE OF SCIENCE

CH'EN HSIN-KUO, B.S., M.S., (Soochow), Ph. D. (Illinois). Department of Biology.

CH'EN TSU-PING, (Wuchang Normal), (Berlin). Head of Department of Physics.

CHOU P'ENG-SAN, B. Sc. (Cheeloo). Department of Physics.

HSIEH HUI, B. S. (Chinghua), B.S. (Rutgers), Ph. D. (Johns Hopkins).  
Head of Department of Chemistry

ARTHUR PAUL JACOT, B. A. (Cornell) Associate Professor and Head of Department of Biology.

EDWARD L. PHILLIPS, B. A. Hons. (Cantab.). Associate Professor of Mathematics.

ENID B. PHILLIPS, B. Sc. Hons. (Lond.) Department of Mathematics.

TS'UI YUNG-FU, B. Sc. (Cheeloo). Department of Chemistry.

WANG CHAO, B. S. (Nanking). Department of Chemistry.

WANG HSI-EN, M. Sc. (Cheeloo). Professor and Head of Department of Mathematics and Astronomy.

WANG PING-HSIAO, (Cheeloo). Department of Physics.

WEI P'EI-HSIU, M. Sc. (Yenching). Department of Physics.

YU HUNG-AO, B. Sc. (Cheeloo). Department of Chemistry.

#### INSTITUTE OF RESEARCH IN CHINESE STUDIES

LUAN T'IAO-FU, Head of Philosophy Section.

SHU SHE-YU (Peking Normal), Head of Literature Section.

LI YUN-LIN, Chü Jen; (Tokyo Law Coll.), Head of History Section.

YU T'IENT-HSIU, A. B. (Maine), LL. B. (Valparaiso, Ind.), A.M., Ph. D., (Clark), Head of Sociology Section.

FAN TI-JUI, B. A. (Cheeloo), Assistant, Sociology Section

HSU PING-LI, B. A. (Peping), Assistant, Literature Section

HU LI-CH'U, Chü Jen; (Tokyo Law Coll.) Assistant, History Section

P'ENG HSIANG-SHENG, B. A. (Shantung), Assistant.

HSU MU-HSIEN, B. A. (Cheeloo), Publication Department.

## GENERAL INFORMATION

The history of the Colleges of Arts and Science of Cheeloo University begins with the establishment of a college for the teaching of the natural sciences, astronomy and mathematics in Tengchow, eastern Shantung, in 1864, by Dr. Calvin Mateer of the American Presbyterian Mission, North. After a long period of steady development, in which the Rev. Watson M. Hayes took a prominent part, Tengchow College was moved to Weihsien, a more central location, in 1904. At the same time, the English Baptist Mission, which for many years had carried on successful educational work in Tsingchowfu under the direction of the Rev. J. S. Whitewright, the Rev. Samuel Couling and the Rev. J. Percy Bruce, united its educational forces in the province with those of the American Presbyterian Mission and from that union Cheeloo University has developed. The new college established in Weihsien was named Kuang-Wen College and its first president was the Rev. Paul Bergen.

For several years the united missions carried on a School of Arts and Science in Weihsien, a School of Theology in Tsingchowfu, and a School of Medicine in Tsinan. As the result of energetic efforts on the part of the Rev. H. W. Luce and others, however, funds were subsequently secured for the transfer of the two former Schools to Tsinan, where the whole University was assembled in 1917. In the same year, the Tsinan Institute and Museum, founded in 1904 by the Rev. J. S. Whitewright of the English Baptist Mission, became incorporated in the University as the Extension Department. In the same year, also, and again in 1923 the sphere of the School of Medicine was greatly enlarged by the amalgamation with it of other medical schools in central and north China. The first president of the University was the Rev. J. Percy Bruce.

In 1924, the University was granted a Charter by Act of the Parliament of Canada, under which Charter the University is authorised to confer the usual degrees. In April 1925, the Board of Governors was organised in New York.

In 1929, the University was privileged to become one of the six Christian universities in China to receive aid from the Harvard-Yenching Institute of Chinese Studies. An Institute of Research in Chinese Studies has been established and is affiliated to the College of Arts.

The University is applying for registration with the Chinese Government and, in order to comply with the regulations of the Ministry of Education, the School of Theology and the Extension Department were separated from the University in 1930. The University is now composed of three Colleges, namely Arts, Science and Medicine, in connection with the last of which there is a School of Nursing and a School of Pharmacy.

The Administration of the University is in the hands of the Board of Governors, with offices in New York and London, and the Board of Directors in China. The former is composed of representatives of the co-operating Missions, certain educational experts specially co-opted, and Chinese representatives of the Board of Directors. The Board of Directors is composed of elected Mission representatives, elected Alumni representatives and certain co-opted members. Two-thirds of the membership of the Board is Chinese.

The ten Missions which are now co-operating in the University are as follows:—

- Great Britain:* Baptist Missionary Society  
English Presbyterian Mission  
London Missionary Society  
Society for the Propagation of the Gospel  
Wesleyan Methodist Missionary Society
- U. S. A.* American Presbyterian Mission, North  
American Presbyterian Mission, South  
Women's Foreign Missionary Society of the Methodist Episcopal Church, North
- Canada:* United Church of Canada Mission  
United Church of Canada Women's Missionary Society

In addition to the support received from the above organisations, the University is also receiving aid from the Rockefeller Foundation, the Hall Estate Fund and the Harvard-Yenching Institute of Chinese Studies.

## INSTITUTE OF RESEARCH IN CHINESE STUDIES

This Institute represents the University's share in the carrying out of the purposes of the Harvard-Yenching Institute of Chinese Studies, which owes its creation to the generosity of the late Mr. Charles M. Hall of Pittsburgh, U. S. A.. Mr. Hall had a special interest in

China, largely through his connection with Oberlin College, and believed that through the universities we might come to a better understanding of our different civilisations and make for a world-mind. The purpose of the Harvard-Yenching Institute is to promote further studies in China's cultural past with a view to a fuller interpretation to the West. The Chee-loo Institute comprises four research sections, Philosophy, Literature, History, and Sociology.

### LOCATION AND BUILDINGS

The Colleges of Arts and Science are situated on a large and attractive campus situated immediately outside the south suburb of Tsinan. This campus comprises nearly eighty-five English acres.

The buildings and equipment, which represent gifts to a value of \$770,000 Mex., original cost (their present value being more than twice this sum), from friends in the United States, Great Britain and Canada, include the following: McCormick Administration Hall, Mateer Hall, Bergen Hall, Augustine Library, Observatory, Power Plant, Water Tower, Men's Dormitories, Women's Dormitories, and staff residences. McCormick Hall provides accommodation for the University offices. Mateer Hall and Bergen Hall include, in addition to numerous class rooms, a large number of laboratories well-equipped for Physics, Chemistry and Biology. The Power Plant and Water Tower supply the whole University.

The dormitories for men students are situated on the east side of the campus and are arranged in courts, each student having a separate room. The two dining rooms, connected with the dormitories, are under the control of a students' committee. A hostel for Anglican students is located just inside the Alumni Gate on the north side of the campus.

The dormitories for women students, Leonard Hall, are situated in the north-west corner of the campus. This portion of the campus has been set apart for women students and includes their own recreation grounds. Leonard Hall also provides accommodation for women students of the College of Medicine and includes a suite of rooms for the Dean of Women.

Residences for members of staff are situated mainly on the south side of the campus and on the east side of the men's dormitories where is a group of Chinese-style houses known as Follansbee Village.

In addition to the tennis courts and netball courts for women students adjoining Leonard Hall, there is a cinder track and football field in the north-east corner of the campus. Eight tennis courts, two net-ball courts and two volley-ball courts adjoin the athletic ground. On the south of the campus, near the Observatory, are tennis courts for members of 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, with seating accommodation for one hundred, a stack-room and offices, on the first floor, while the ground floor is divided into offices, class-rooms and a newspaper room. The Library possesses a total of 61,000 Chinese volumes, 15,000 English volumes and a few in other languages. The reading-room receives regularly 435 Chinese and 280 English periodicals.

The Library has received generous gifts from the Carnegie Institute of Washington and other sources, whilst the beginning of a special collection of works on China has been made through the generosity of Mrs. T.B. Blackstone. This year the Library has been made a Depository for the Publications of the Carnegie Endowment for International Peace, one of two such Depositories in China, and has already received a large number of volumes including several standard treatises on international law.

A branch Medical Library has been established in the College of Medicine.

## ENTRANCE REGULATIONS

**ADMISSION:** Admission as a regular student to either of the Colleges is conditional upon graduation from a Senior Middle School or its equivalent. This determines the standard of the Entrance Examination of the Colleges. The system of admitting recommended students from accredited middle schools without examination no longer applies. In addition to admission as regular students of the first year, arrangements are made by which persons may be admitted as regular students with advanced standing or as Special Students.

**APPLICATION FOR ENTRANCE.** (a) Candidates for entrance to either College are required to present an Application for Entrance, made on the blank forms furnished by the University. This Application is in three parts:—

- (A) An Application Blank, to be filled in by the candidate.
- (B) A Medical Certificate, to be filled in and signed by a qualified physician.
- (C) A Certificate of Scholastic Grade and Moral Character, to be filled in by the principal of the candidate's middle school.

(b) Application for Admission (A) must be accompanied by the Medical Certificate (B), by *two* four inch photographs (head and shoulders) of the candidate, duly certified by the principal of the middle school last attended, and by the Application Fee of *two* dollars. These may be sent to the Registrar of the University at any time during the year prior to the date of admission, but not later than the dates given in the Calendar as last dates for receiving applications.

(c) Certificate (C), containing the candidate's middle school record, and Certificate of Graduation from Senior Middle School should be sent in as soon as possible after the candidate has completed his or her middle school course.

(d) The candidate should state clearly, on the Application for Admission (A), at which centre he, or she, wishes to sit the Entrance Examination and, in the case of candidates for the Science College, in which of the natural sciences he or she elects to be examined.

(e) On receipt of the forms mentioned in (b) and of the Application Fee, the Registrar of the University will send to the candidate an Examination Pass which must be shown by the candidate at the Examination Centre.

**ENTRANCE AS REGULAR STUDENTS WITH ADVANCED STANDING.** (a) Students, who have satisfactorily completed at least one year of work at a recognised institution of university grade, may be admitted with such advanced standing as their records warrant. In filing applications for admission, such students should furnish a record of their work in middle school as well as a complete statement of their work in college. These records, together with a certificate of honourable dismissal from the college concerned, a medical certificate, two four-inch photographs, duly certified, and the application fee of two dollars must be received at the University Registrar's Office before August 1st. of the year of admission. Forms to be filled in may be obtained on application to the Registrar of the University.

(b) For students admitted with advanced standing, credits transferred from former institutions are subject to revision in accordance with the regulations re credits of the two Colleges.

(c) If, during the first year of study in the University, a student, admitted with advanced standing, receive a failure or a condition in a subject in which advanced credit has been allowed, the advanced credit in that subject shall be cancelled.

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

**POST-GRADUATE STUDENTS.** Graduates of recognized institutions of university grade will be admitted as Post-graduate Students on presentation of proper credentials.

**SPECIAL STUDENTS.** (a) Graduates of a senior middle school, who do not intend to complete a full college course or who are not working for a degree, may be admitted as Special Students.

(b) The total number of Full-time Special Students shall not exceed one-tenth of the total student enrolment of the College concerned.



(c) Special Students are divided into three classes, as follows:—

- (1) Students who, owing to special circumstances, are unable to complete four years study in either College but who desire to study for an appropriate length of time.
- (2) Students who have taught for three years in recognised schools and who desire to study in either College but not to obtain a degree.
- (3) Students who have served for more than one year in a recognized educational or other institution and are recommended by that institution and desire to study as Part-Time Students in either College. Such students must do the same work, in connection with the courses they elect, as is done by Regular Students.

(d) Candidates for admission as Special Students must follow the same procedure of Application for Entrance as other students,

If the Dean considers it necessary, any candidate for admission as a Special Student may be required to sit examinations in certain subjects.

Candidates for Class (1) must provide adequate proof of their inability to complete a four year course of study. Candidates for Classes (2) and (3) must be recommended by the institution in which they have been serving.

(e) The fees to be paid by Special Students are given in the section on College Fees and Deposits. Special Students are required to pay a special fee of five dollars per term.

(f) Special Students in Classes (1) and (2) may reside in the College Dormitories. Students in Class (3) are not permitted to do so.

(g) All Special Students must comply with the general regulations of the Colleges and sit all examinations.

(h) Special Students, who have been admitted without Entrance Examination and desire to become Regular Students, must pass the Entrance Examination. Such transfer to regular standing must take place within two years of admission to either College. Special Students who passed the Entrance Examination on admission to either College may be

transferred to regular standing on approval of the Head of Department concerned and of the Dean.

(j) Courses of study elected by Special Students must be approved by the Advisor concerned.

**WOMEN STUDENTS** Women students are admitted to the College under the same general regulations as apply to men. They must, before paying fees and registering, obtain a card from the office of the Dean of Women Students, stating that their place of residence in the Women's Dormitory has been approved.

**MEDICAL EXAMINATION** Each candidate for admission must make his or her own arrangements for medical examination and the filling in of Application Form (B). It will aid the Colleges 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 Colleges require each new student to take a medical examination at the University before he or she registers. New students therefore should arrive at the University a few days before that fixed for registration.

**REGISTRATION** (a) All successful applicants for admission to the Colleges must arrive at the University three days before the opening of term in order to facilitate the allocation of dormitories and to undergo medical examination.

(b) Before Registration, at a date announced at the time, each student must undergo the University Medical Examination and receive from the Health Officer a card showing this to have been held. This card must be presented to the Registrar's Office at the time of Registration.

(c) On Registration Day (see Calendar) each student must present himself or herself at the Office of the Registrar at the time announced and collect and fill in all necessary forms: the student will then proceed to the appropriate Student Advisor to receive a strip of Study Cards. These cards are to be filled in under the guidance of the Advisor and signed by him when completed. After all cards have been checked by the Registrar's Office, fees are to be paid and cards handed in. Detailed

procedure to be observed will be announced by the Registrar's Office before Registration Day.

(d) First year students of both Colleges are required to study a prescribed general fundamental course (see Curricula). Students enter one of the various Departments at the beginning of their second year. At the end of his or her first year of study, each student should choose his or her Major Subject with the approval of the Head of the Department concerned and of the Dean.

(e) In preparing cards 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.

(f) Students registering late must pay an additional fee of one dollar per day up to a maximum of three dollars. Late registration after three days is allowed only on approval of the Dean. No student may be received later than fifteen days after the beginning of term except by special action of the Entrance Board.

(g) After two weeks from the beginning of term the study lists are considered fixed.

(h) Students whose registration has been completed will be considered as regards discipline students of the University and subject to the general regulations of the Colleges.

**SUMMER SCHOOL** Properly qualified students taking subjects of university grade in the Summer School may be allowed College credits for the work done, at that time.

## ENTRANCE EXAMINATION REGULATIONS

**TIME OF EXAMINATION** The Examination admitting to the first year of the College of Arts or the College of Science (including the PreMedical Course) is held twice each year, at the beginning of July and at the end of August. The exact dates of the Examination and the last dates for receiving applications from intending examinees are given in the Calendar.

**PLACE OF EXAMINATION** (a) The First Examination is held in Tsinan, at the University, and also at special Examination Centres in the following cities: Moukden, Peping, Tientsin, Taiyuan, Nanking, Wuchang, Shanghai, Foochow and Canton. Detailed information regarding each centre is issued before the date of the Examination.

(b) The Second Examination is held in Tsinan only.

**NOTE** No candidate can be admitted to the Examination unless he produces his Examination Pass which is issued by the University Registrar on receipt of Application Forms (A) and (B), two photographs of the candidate, and the Application Fee of two dollars.

Women candidates, who intend to sit the Entrance Examination in Tsinan and who wish the Colleges to make arrangements for their accommodation for the period of the Examination, should state this clearly on their application forms. Men candidates are responsible for their own arrangements.

**EXAMINATION SYLLABUS** All candidates for admission as regular students to the first year of the College of Arts or the College of Science (including the PreMedical Course) are required to sit examinations in the first five of the following subjects. Candidates for the Arts College must in addition sit the examination in General Science (see 6A below). Candidates for the Science College (including the PreMedical Course) must, in addition, sit an examination in one of the three Natural Sciences (see 6B below).

1 *Party Principles.* A paper on the main problems and topics studied in the Senior Middle School course in Party Principles.

2. *Chinese Language and Literature.* Essays: one in Wen-li and one in Pai-hua, of about four hundred characters each. General knowledge of Chinese Literature: twenty questions on Chinese Literature. Punctuation: modern punctuation of a passage of old Chinese.
3. *English.* The standards of the examination in English have been raised. Examinees should have studied the six books of the 'Mastery of English' series or their equivalent.
4. *General Mathematics.* A thorough examination on subjects including Plane Geometry, up to properties of polygons; Elementary Solid Geometry; Algebra, up to quadratic equations; Elementary Trigonometry.
5. *Chinese and Western History.* The topics covered include the history of the main centres of Chinese and Western civilisation; the outstanding figures taking part in the growth of these civilisations; the chief historical periods of Chinese and Western history; the historical influences which have helped to mould the modern world.
- 6A. *General Science.* This paper is to be taken by all candidates for the Arts College only. Examinees should have taken a course of at least one year in General Science in senior middle school, including laboratory work, and have a practical scientific knowledge of and scientific attitude towards the phenomena and problems of everyday life.
- 6B. *Natural Science.* All candidates for the Science College (including the PreMedical Course) must take a paper in one of the three following subjects:—
- (a) *Chemistry.* The topics covered are the use of the balance, preparation, properties and uses of the most important elements and their compounds. Special attention should be paid to formulae, valence, equations and calculations.

- (b) *Biology.* The topics covered are:— how plants and animals live, the relation of life to food, responses, growth and reproduction, interrelation of life forms, applications of biological principles. Note: These topics should have been covered in a practical way. They represent the course covered in 'A Middle School Manual in Biology', A. P. Jacot.
- (c) *Physics.* The topics covered are:— the fundamental concepts of Physics and the units in which measured, elementary optics, the nature of periodic motion, the magnetic effects of electric currents, Ohm's law, and their applications.

NOTE: Candidates taking this examination (6B) must present their laboratory note-books, certified by the principal of their middle school. These note-books should be sent preferably not by the student but by the school direct to the Registrar of the University.

#### REGULATIONS FOR THE CONDUCT OF THE EXAMINATION

- (a) Uniform examination paper, furnished by the University, must be used. The date and time of the examination and the College to which admission is sought by the examinee should be written on each paper. The examinee's name is not to be written on the paper but, instead, the examinee will write the Examination Number printed on his or her Examination Pass.
- (b) In examinations in Mathematics or in any subject requiring mathematical demonstrations, and in Essay papers, all the work done must appear on the papers which are submitted to the examiner.
- (c) The language used in the Entrance Examination is Chinese, except in the English paper. Students, however, whose preparation has been in part in the English language, may take the examinations in Natural Science and History in English provided they state clearly on their application forms that they desire to do so.

**ANNOUNCEMENT OF ACCEPTED CANDIDATES** Candidates are expected to state on their application forms whether they desire to be admitted to the Arts College, Science College or PreMedical Course of the Science College. The final decision as to into which College or Course they may be admitted shall be made by the Joint Entrance Board of the two Colleges.

All candidates, whether accepted or not, will be notified by letter. No such notification can be sent to a candidate until his or her Middle School Record has been received by the University Registrar.

Successful candidates will be sent a Certificate of Admission which should be brought with them when they come to the University.

### COLLEGE FEES AND DEPOSITS

The schedule of Fees and Deposits for the Colleges of Arts and Science, due at the beginning of term, in local currency, is as follows:—

#### TUITION:

Arts College, Regular Students and Special Students, Classes (1) and (2)	. \$30.00	per term
Science College, Regular Students and Special Students, Classes (1) and (2)	. 35.00	" "
Arts and Science Colleges, Special Students, Class (3)	. . . . . 2.50	" credit

#### ATHLETICS:

Arts and Science Colleges	. . . . . 2.00	" term
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#### DORMITORY:

Arts and Science Colleges. First Floor	. . . . . 12.00	" "
Ground Floor	. . . . . 10.00	" "

#### BREAKAGE DEPOSITS, GENERAL AND LABORATORY:

Arts and Science Colleges. General	. . . . . 3.00	" year
Laboratory: Science College	. . . . . 7.00	" "
Arts College, students taking laboratory Science courses.	. . . . . 3.00	" course

#### \*LIGHT DEPOSIT:

Arts and Science Colleges:	. . . . . 4.00	" year
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#### KEY DEPOSIT: (returnable on return of key)

Arts and Science Colleges	. . . . . 1.00	
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#### DEPOSIT FOR BOARD:

Arts and Science Colleges	. . . . . 30.00	per term
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#### 'UNIVERSITY ANNUAL':

Arts and Science Colleges, Regular Students and Special Students, Classes (1) and (2)	2.00	" year
(Members of Graduating Class pay \$4.00)		

\*To be checked pro rata for any excess of light used above the allowance provided in the budget of the Colleges of Arts and Science.

**SPECIAL FEES:**

Arts and Science Colleges:

Graduation Fee, payable the Monday before

Commencement . . . . . 3.00

Special Students, extra fee . . . . . 5.00 per term

Make-up Examination Fee: each subject . . . . . 2.00

three or more subjects . . . . . 5.00

Late Registration Fee . . . . . 1.00 per day

(maximum \$3.00)

Pianoforte Lessons, with use of Piano . . . . . 15.00 per term

**NOTE:** If a student with the approval of the Dean leaves College more than two weeks after the beginning of term, no fees or deposits can be refunded except the Deposit for Board and the Breakage Deposit.

College Fees and Deposits may be increased at any time at the discretion of the Board of Directors.

**REQUIREMENTS FOR GRADUATION**

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

1. Have completed a four year course of study of university grade, of which the final two years, at least, must be in the Arts or Science College of Cheeloo University.

2. Have received at least one hundred and thirty-eight credits distributed as indicated below.

3. Have, in addition, received six credits for Military Training and eight credits for Physical Education.

**Note:** One credit is granted for

either (a) one class period (one hour) per week throughout one term

or (b) three hours of laboratory work per week throughout one term.

4. The requirement of one hundred and thirty-eight credits shall be distributed as follows:—

(a) Major Subject: A minimum requirement of from thirty-two to fifty-two credits (see Departmental Requirements).

(b) Minor Subject: A minimum requirement of sixteen credits for all Arts College students.

Correlated Subjects: A minimum requirement of from sixteen to twenty-four credits for all Science College students (see Departmental Requirements).

(c) Elective Subjects: Chosen by the individual student.

(d) General Required Subjects:

Arts College: A requirement of fifty-six credits.

Science College: A requirement of fifty-one credits.

(For details see under Curriculum)

5. In addition to credits for Military Training and Physical Education, students must, in their first and second years, study courses equivalent to from seventeen to nineteen credits in each term, and, in their

third and final years, study courses equivalent to from fourteen to seventeen credits each term.

6. An average grade ratio of not less than .75 shall have been received in the courses studied during the last two years of work.

7. The conduct of the student shall have been satisfactory and all his or her obligations to the University in matters of fees, records, etc., shall have been met.

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### MEDIUM OF INSTRUCTION

The Chinese (Mandarin) language is the main medium of instruction in the Colleges of Arts and Science, 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 in the curriculum of the Colleges. The use of English text-books and reference books is encouraged and such students as show an adequate knowledge of English may elect certain courses which are taught through that medium of instruction.

### SELECTION OF COURSES

1. On Registration Day each term, each student shall, under the guidance of his or her advisor, choose his or her course of study for the term. This shall be filled in on the Study Cards which shall then be signed by the advisor concerned. In cases where the approval of an instructor is considered necessary (as in laboratory courses), his signature shall be obtained. Further detailed information will be announced before Registration Day.

2. A student wishing to drop a course already selected or to take up a new course after the Study Cards have been filed must secure the permission of the advisor and instructor concerned and of the Dean. No such changes of the Study Cards are allowed more than fifteen days after the beginning of term.

### REGULATIONS CONCERNING SCHOLARSHIP GRADES, MERIT POINTS, GRADE RATIO AND DISQUALIFICATION

1. SCHOLARSHIP GRADES. (a) These are indicated by the six letters, A, B, C, D, E, F, which represent the following grades:—

'A'—Excellent: 'B'—Good: 'C'—Satisfactory.  
'D'—Passing, but rather poor:  
'E'—Conditioned, unsatisfactory; 'F'—Failed.

'Inc' indicates that either the term work or examinations have not been completed.

'L' indicates that the student left the class some weeks before the final examinations.

(b) Equivalent Percentages

'A' = 90—100: 'B' = 80—89: 'C' = 70—79:  
'D' = 60—69: 'E' = 50—59: 'F' = below 50.

(c) In cases where the permission of the Dean has not been obtained, 'Inc' and 'L' shall be regarded as 'F'.

(d) Students receiving an 'Inc' or a 'L' may, with the approval of the Dean, complete the course or take the necessary examination and then receive the appropriate grade; otherwise it will be regarded as 'F'.

(e) Students receiving an 'E' must pass a Make-up Examination not less than two months and not more than one year after the date of receiving the 'E'; otherwise the grade will be regarded as 'F'. The date for the re-examination shall be set by the instructor concerned. Only one re-examination is allowed.

(f) When a Make-up Examination is taken at the time of the regular term examinations, no Make-up Examination Fee is required to be paid. Arrangements for the examination at a special time must be made through the Dean and a special fee must be paid (see College Fees and Deposits).

(g) When a condition 'E' is removed, a pass grade 'D' only will be given. In case of failure in the Make-up Examination, the 'E' will be changed to 'F'.

(h) Students receiving an 'F' for a required course must repeat that course.

(j) If, in any one term, the grade 'E' is received for courses equivalent to eight or more credits, the grades cannot be changed by re-examination and the courses concerned must be repeated if credit is desired.

## 2. MERIT POINTS AND GRADE RATIO

(a) A student's scholarship standing each term is determined in part by a system of merit points and grade ratios.

- One credit with a grade 'A' receives a merit point of 2
- One credit with a grade 'B' receives a merit point of 1.5
- One credit with a grade 'C' receives a merit point of 1
- One credit with a grade 'D' receives a merit point of .5
- One credit with a grade 'E' receives a merit point of zero
- One credit with a grade 'F' receives a merit point of —.5

(b) 'Inc' or 'L', if changed to any grade, and a grade 'E', when changed to 'D' or 'F', will then receive the corresponding merit point.

(d) The Grade Ratio of a student is computed, term by term, by dividing the total number of merit points received by the total number of credits studied in the term under consideration.

(e) Grades received in courses repeated will be computed in the Grade Ratio of the term in which they are repeated and will not affect the Grade Ratio of the term in which the 'F' was received.

## 3. DISQUALIFICATION

(a) Any student (with the exception noted below) who receives in any one term the equivalent of twelve credits conditioned (grade E) will be disqualified from further attendance at the College concerned. However, a first year student, who receives in the first term the equivalent of more than eleven and less than sixteen credits conditioned, will be placed on probation for the following term. If, in the following term, the student does not make satisfactory progress in his studies, he will be disqualified from further attendance at the College concerned.

(b) A student, who in his first year has an average ratio of less than .75, will be disqualified from further attendance at the College

concerned. In special cases a student, who seems worthy and whose grade ratio is below .75 but not below .50, may be placed on probation for the following term.

(c) A student who fails to obtain an average grade ratio of .75 in his or her second year, will be disqualified from further attendance at the College concerned.

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**ABSENCE FROM CLASS.** 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 term, is not allowed to take the final examinations and must repeat the work of that term.

**ANNOUNCEMENT OF GRADES.** Students should not apply to their instructors for the results of term examinations or term grades, but should inquire at the Office of the Registrar.

**TIME OF MONTHLY EXAMINATIONS** The times of the monthly examinations in any course shall be determined by the instructor concerned.

**TRANSCRIPT OF RECORD** One copy of a student's scholastic record will be given him or her after he or she leaves the Arts or Science College. This Transcript of Record will be given free of charge provided request is made for it by the student within two years of leaving College.

A second transcript or one desired two years or more after leaving College will be given only after the receipt of a fee of fifty cents.

## CURRICULA

### 1. GENERAL REQUIRED COURSES.

#### (A) ARTS COLLEGE: all Departments.

Party Principles . . .	2	credits . . .	first year.
Chinese . . . . .	16	" . . .	first, second, and third years.
English . . . . .	12	" . . .	first and second year
Chinese History . . .	4	" . . .	first year
Backgrounds of Civi- lisation and Contem- porary Civilisation . .	4	" . . .	" "
Sociology and Economics	4	" . . .	" "
Education. 203,301,402.	8	" . . .	second, third and fourth years.
Science . . . . .	6	" . . .	first year
Total	56	"	

#### (B) SCIENCE COLLEGE: all Departments; excluding PreMedi- cal Course.

Party Principles . . .	2	credits . . .	first year.
Chinese . . . . .	4	" . . .	" "
English . . . . .	12	" . . .	first and second years
Mathematics . . . . .	6	" . . .	first year
Chemistry . . . . .	6	" . . .	" "
Biology . . . . .	6	" . . .	" "
Physics . . . . .	6	" . . .	" "
Social Sciences . . .	4	" . . .	" "
Education 203,402 . .	5	" . . .	second and third years
Total	51	"	

#### (C) MILITARY TRAINING and PHYSICAL EDUCATION

Military Training, six credits, and Physical Education, eight credits, are also required of all students of both Colleges, but these credits are not included in the one hundred and thirty-eight required for graduation.

### 2. MAJOR SUBJECT

A minimum of from thirty-two to fifty-two credits is required of students of both Colleges in their Major Subject. The actual minimum requirement is determined by each Department.

### 3. MINOR SUBJECT or CORRELATED SUBJECTS.

All students of the Arts College must, in addition to their Major Subject, study one Minor Subject, the minimum requirement being sixteen credits.

All students of the Science College (PreMedical students excluded) must, in addition to their Major Subject, study certain Correlated Subjects approved by the Department concerned; the minimum requirement of from sixteen to twenty-four credits is determined by the Department concerned.

### 4. ELECTIVE SUBJECTS

In addition to the above courses, students may elect other courses of study subject to the regulations of the Departments concerned in regard to those courses. Students of the Arts College may elect courses offered by the Science College, where Departmental regulations permit, and vice versa.

### 5. REQUIRED TWO-YEAR COURSE FOR PREMEDICAL STUDENTS.

The Science College provides a two-year course for students intending to apply for admission to the College of Medicine of Cheeloo University. The requirements for this course are indicated in the Description of Courses offered by the various Departments of the College of Science. In addition, a separate statement of these requirements is given at the end of that section.



MAJOR CURRICULA AND DESCRIPTION OF COURSES  
COLLEGE OF ARTS

1. DEPARTMENT OF CHINESE

K. T. Chou, *Pa Kung*. . . . . Head of Department.  
P. L. Hsu, B. A.  
L. C. Hu, *Chü-Jen*.  
Y. L. Li, *Chü-Jen*.  
T. F. Luan.  
S. Y. Shu.

MAJOR CURRICULUM IN CHINESE

First Term		Second Term	
	Credits		Credits
<b>FIRST YEAR</b>			
Party Principles . . . . .	1	Party Principles . . . . .	1
Chinese 101 . . . . .	3	Chinese 102 . . . . .	3
English . . . . .	3	English . . . . .	3
History A1 . . . . .	2	History A2 . . . . .	2
History 101 . . . . .	4		
Sociology A1 or A2 . . . . .	2	Economics 1 . . . . .	2
Science . . . . .	3	Science . . . . .	3
		Electives . . . . .	3
	18		17
<b>SECOND YEAR</b>			
English . . . . .	3	English . . . . .	3
Chinese 201 . . . . .	3	Chinese 202 . . . . .	3
Chinese 203 . . . . .	2	Chinese 204 . . . . .	2
Chinese 205 . . . . .	2	Chinese 206 . . . . .	3
Chinese 207 . . . . .	2	Chinese 208 . . . . .	2
Education 203 . . . . .	3	Chinese 210 . . . . .	2
Electives . . . . .	2	Electives . . . . .	3
	17		18
<b>THIRD YEAR</b>			
Chinese 301 or 311 . . . . .	2	Chinese 302 . . . . .	2
Chinese 303 or 313 . . . . .	2	Chinese 304 . . . . .	2
Chinese 305 or 315 . . . . .	2	Chinese 306 . . . . .	2

	Credits		Credits
Chinese 307 . . . . .	2	Chinese 308 . . . . .	2
		Chinese 310 . . . . .	2
Minor . . . . .	4	Minor . . . . .	4
Education 301 . . . . .	3		
Electives . . . . .	2	Electives . . . . .	3
	17		17
<b>FOURTH YEAR</b>			
Chinese 401 . . . . .	2	Chinese 402 . . . . .	3
Chinese 403 or 413 . . . . .	2	Chinese 404 . . . . .	3
Chinese 405 . . . . .	3	Chinese 406 . . . . .	2
Chinese 407 . . . . .	2		
Chinese 409 . . . . .	2	Education 402 . . . . .	2
Minor . . . . .	4	Minor . . . . .	4
Electives . . . . .	2	Electives . . . . .	3
	17		17

<i>Summary:</i> General Requirement . . . . .	56 credits
Major . . . . .	48 "
Minor . . . . .	16 "
Electives . . . . .	18 "
<b>TOTAL</b>	<b>138 "</b>

*Note:* The approval of the Head of Department is necessary when selecting the Minor Subject.  
The arrangement of the study of courses in the Minor Subject, indicated in the above table, may be altered if necessary.

DESCRIPTION OF COURSES OF STUDY.  
(for details refer to Chinese Catalogue)

Course Number	Subject	Credits
101	Practical Chinese . . . . .	3
101a	Practical Chinese . . . . .	2
102	Ancient and Modern Essays . . . . .	3
102a	Ancient and Modern Essays . . . . .	2

201	Introduction to Literature. . . . .	3
202	Introduction to Chinese Etymology . . . . .	3
203-204	History of Chinese Literature . . . . .	2-2
205	Readings from Ancient and Modern History . . . . .	2
206	Chinese Poetry . . . . .	3
207	Logic . . . . .	3
208	Chinese Grammar . . . . .	2
210	Couplets . . . . .	2
301	Rural Literature . . . . .	2
302	Outline of Ancient Chinese Philosophy . . . . .	2
303	Literary Criticism . . . . .	2
304	Story Writing . . . . .	2
305	Novels and Short Stories . . . . .	2
306	The Writing of Tz'u (詞) . . . . .	2
307	The Writing of Poetry . . . . .	2
208	Rhetoric . . . . .	2
310	Introduction to the Thirteen Classics . . . . .	2
311	Comparative Study of the Poetry of T'ao Ch'ien and Po Chu-I . . . . .	2
313	Comparative Study of the Book of Odes and the Ch'u-Tz'u . . . . .	2
315	Hsin-tzu . . . . .	2
401	Dramas of the Mongol Dynasty . . . . .	2
402	Mo-tzu . . . . .	3
403	Introduction to Chinese Studies . . . . .	2
404	The Three Books of Rites . . . . .	3
405	The Three Commentaries on the Spring and Autumn Classic . . . . .	3
406	History of the Thirteen Classics . . . . .	2
407	Chinese Phonetics . . . . .	2
409	Han-Fei-tzu . . . . .	2
411	The Phonetics of the Book of Odes . . . . .	2
413	Archaeology . . . . .	2

## 2. DEPARTMENT OF FOREIGN LANGUAGES

S. Lautenschlager, M. A. . . . . Head of Department.  
 J. W. Hunter.  
 J. J. Heeren, B. D., M. A., Ph. D.  
 Eleanor Booth, B. A.  
 Lydia M. Jacot, M. A.

### MAJOR CURRICULUM IN ENGLISH

	First Term		Second Term	
<b>FIRST YEAR</b>	<b>Credits</b>			<b>Credits</b>
Party Principles . . . . .	1	Party Principles . . . . .	1	
Chinese 101 . . . . .	3	Chinese 102 . . . . .	3	
English . . . . .	3	English . . . . .	3	
History A1 . . . . .	2	History A2 . . . . .	2	
History 101 . . . . .	4			
Sociology A1 or A2 . . . . .	2	Economics 1 . . . . .	2	
Science . . . . .	3	Science . . . . .	3	
		Electives . . . . .	4	
			<u>18</u>	
			18	
<b>SECOND YEAR</b>				
Chinese 201 . . . . .	3	Chinese 202 or 206 . . . . .	3	
English . . . . .	6	English . . . . .	6	
Education 203 . . . . .	3			
Minor and Electives . . . . .	5	Minor and Electives . . . . .	8	
	<u>17</u>		<u>17</u>	
	17		17	
<b>THIRD YEAR</b>				
English . . . . .	6	English . . . . .	6	
Chinese . . . . .	2	Chinese . . . . .	2	
Education 301 . . . . .	3			
Minor and Electives . . . . .	6	Minor and Electives . . . . .	9	
	<u>17</u>		<u>17</u>	
	17		17	
<b>FOURTH YEAR</b>				
English . . . . .	8	English . . . . .	6	
		Education 402 . . . . .	2	
Minor and Electives . . . . .	9	Minor and Electives . . . . .	9	
	<u>17</u>		<u>17</u>	
	17		17	

<i>Summary:</i> General Requirement . . . . .	56 credits
Major . . . . .	32 "
Minor . . . . .	16 "
Electives . . . . .	34 "
TOTAL	138 "

**DESCRIPTION OF COURSES OF STUDY**

(for details refer to Chinese Catalogue)

**ENGLISH**

Course Number.	Subject	Credits
English C, D.	Freshmen's Preparatory English. . . . .	nil
English 103	World's Best Stories. . . . .	3
English 104	English Literature. (standard classic) . . . . .	3
English 105	Corrective English . . . . .	3
English 111-112	English New Testament Literature . . . . .	3-3
English 113-114	World Problems . . . . .	3-3
English 201	College Composition and Rhetoric . . . . .	3
English 202-203	English Literature (standard works) . . . . .	3-3
English 204-205	The Plays of Shakespeare . . . . .	3-3
English 211-212	English Old Testament Literature . . . . .	3-3
English 301-302	Magazines and Newspapers . . . . .	3-3
English 303	Public Speaking . . . . .	3
English 304	Short Story Writing . . . . .	3
English 305-306	The Modern English Novel . . . . .	3-3
English 307-308	Modern English Plays . . . . .	3-3
English 401-402	History of English and American Literature . . . . .	3-3
English 403-404	English and American Prose . . . . .	3-3
English 405	The Teaching of English . . . . .	2
English 406-407	English and American Poetry . . . . .	3-3
English 408	Famous Men of Letters . . . . .	3
English 409-410	English Translations of World's Classics . . . . .	3-3

**GERMAN**

First Year German.	
German 101-102 . Elementary German . . . . .	3-3
Second Year German	
German 201-202 . Scientific and Medical German . . . . .	3-3
Third Year German	
German 301-302 . Classical and Modern German . . . . .	3-3

**FRENCH**

First Year French	
French 101-102 . Elementary French . . . . .	3-3
Second Year French	
French 201-202 . French Literature and Composition . . . . .	3-3
Third Year French	
French 301-302 . French Literature . . . . .	3-3

### 3. DEPARTMENT OF EDUCATION AND PSYCHOLOGY

C.P. Wang, Ph. D. . . . . Head of Department.  
 A.L. Carson, M. A.  
 R.M. Hogan, M. A., Ph. D.  
 H.C. Ts'ui (Grad. Cheeloo)  
 L.H. Liu Yui, M. A.

#### MAJOR CURRICULUM IN EDUCATION

First Term		Second Term	
	Credits		Credits
<b>FIRST YEAR</b>			
Party Principles . . . . .	1	Party Principles . . . . .	1
Chinese 101 . . . . .	3	Chinese 101 . . . . .	3
English . . . . .	3	English . . . . .	3
History A1 . . . . .	2	History A2 . . . . .	2
History 101 . . . . .	4		
Sociology A1 or A2 . . . . .	2	Economics 1 . . . . .	2
Science . . . . .	3	Science . . . . .	3
		Electives . . . . .	4
	<u>18</u>		<u>18</u>
<b>SECOND YEAR</b>			
Chinese 201 . . . . .	3	Chinese 202 or 206 . . . . .	3
English . . . . .	3	English . . . . .	3
Education 201 . . . . .	3	Education 202 . . . . .	3
Education 203 . . . . .	3	Education 204 . . . . .	3
Education 205 . . . . .	2		
Electives . . . . .	3	Electives . . . . .	5
	<u>17</u>		<u>17</u>
<b>THIRD YEAR</b>			
Education 301 . . . . .	3	Education 302 . . . . .	3
Education 303 . . . . .	2	Education 304 . . . . .	3
Education 305 . . . . .	2	Education 306 . . . . .	2
Chinese . . . . .	2	Chinese . . . . .	2
Minor . . . . .	3	Minor . . . . .	3
Electives . . . . .	5	Electives . . . . .	4
	<u>17</u>		<u>17</u>

#### FOURTH YEAR

Education 401 . . . . .	3	Education 402 . . . . .	2
Education 403 . . . . .	3	Education 404 . . . . .	3
Education 405 . . . . .	3	Education 406 . . . . .	3
Minor . . . . .	5	Minor . . . . .	5
Electives . . . . .	3	Electives . . . . .	4
	<u>17</u>		<u>17</u>

<i>Summary:</i> General Requirement . . . . .	56	credits
Major . . . . .	38	"
Minor . . . . .	16	"
Electives . . . . .	28	"
	<u>138</u>	
<b>TOTAL</b>		

- Note:* 1. Students of this Department will it is hoped elect German or French as a second foreign language.
2. The approval of the Head of Department must be obtained when selecting the Minor Subject. The times given in the above table may be altered if necessary.
3. Education 102 is arranged so that it may be elected by students in the second term of the first year. Education 310 and 408 may be elected by students in the third or fourth year. The courses will be given provided five or more students choose to take them.

#### DESCRIPTION OF COURSES OF STUDY

(for details refer to Chinese Catalogue)

Course Number	Subject	Credits
102	General Psychology . . . . .	2
201	Introduction to Education . . . . .	3
202	Child psychology . . . . .	3
203	Educational Psychology . . . . .	3
204	Educational Hygiene . . . . .	3
205	The World Situation in Education . . . . .	2
301	The Principles of Education . . . . .	3

302	Educational Measurements . . . . .	3
303	Experimental Psychology . . . . .	2
304	History of Education . . . . .	3
305	The Curriculum . . . . .	2
306	Educational Sociology . . . . .	2
310	Domestic Science . . . . .	2
401	Educational Administraion . . . . .	3
402	Teaching Methods . . . . .	2
403	Educational Statistics . . . . .	3
404	Practice Teaching . . . . .	3
405	Rural Education . . . . .	3
406	Psychology of Adolescence . . . . .	3
408	Women's Education . . . . .	3

#### 4. DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

J. J. Heeren, B. D., M. A., Ph. D. . . . . Head of Department  
 L. C. Chang, B. A.  
 W. H. Chang, B. A.  
 J. W. Hunter.

#### MAJOR CURRICULUM IN HISTORY AND POLITICAL SCIENCE.

First Term		Second Term	
FIRST YEAR	Credits		Credits
Party Principles . . . . .	1	Party Principles . . . . .	1
Chinese 101 . . . . .	3	Chinese 102 . . . . .	3
English . . . . .	3	English . . . . .	3
History A1 . . . . .	2	History A2 . . . . .	2
History 101 . . . . .	4		
Sociology A1 or A2 . . . . .	2	Economics 1 . . . . .	2
Science . . . . .	3	Science . . . . .	3
		Electives . . . . .	4
	18		18
<b>SECOND YEAR</b>			
Chinese 201 . . . . .	3	Chinese 202 or 206 . . . . .	3
English . . . . .	3	English . . . . .	3
History 202, or Pol. Sc. 251 . . . . .	4	History 203, or 204 . . . . .	4
History 205 . . . . .	2	History 206 . . . . .	2
Education 203 . . . . .	3		
Minor and Electives . . . . .	2	Minor and Electives . . . . .	5
	17		17
<b>THIRD YEAR</b>			
History 301 or 303 . . . . .	5	History 302 or 304 . . . . .	5
Chinese . . . . .	2	Chinese . . . . .	2
Education 301 . . . . .	3		
Minor and Electives . . . . .	7	Minor and Electives . . . . .	10
	17		17
<b>FOURTH YEAR</b>			
History 401 or . . . . .		History 404 . . . . .	2
Pol. Sc. 451 or 453 . . . . .	4	History 406 . . . . .	2
		History 407 or Pol. Sc. 456 . . . . .	2
		Education 402 . . . . .	2
Minor and Electives . . . . .	13	Minor and Electives . . . . .	9
	17		17

302	Educational Measurements . . . . .	3
303	Experimental Psychology . . . . .	2
304	History of Education . . . . .	3
305	The Curriculum . . . . .	2
306	Educational Sociology . . . . .	2
310	Domestic Science . . . . .	2
401	Educational Administraion . . . . .	3
402	Teaching Methods . . . . .	2
403	Educational Statistics . . . . .	3
404	Practice Teaching . . . . .	3
405	Rural Education . . . . .	3
406	Psychology of Adolescence . . . . .	3
408	Women's Education . . . . .	3

**4. DEPARTMENT OF HISTORY AND POLITICAL SCIENCE**

J. J. Heeren, B. D., M. A., Ph. D. . . . . Head of Department  
 L. C. Chang, B. A.  
 W. H. Chang, B. A.  
 J. W. Hunter.

**MAJOR CURRICULUM IN HISTORY AND POLITICAL SCIENCE.**

First Term		Second Term	
FIRST YEAR	Credits		Credits
Party Principles . . . . .	1	Party Principles . . . . .	1
Chinese 101 . . . . .	3	Chinese 102 . . . . .	3
English . . . . .	3	English . . . . .	3
History A1 . . . . .	2	History A2 . . . . .	2
History 101 . . . . .	4		
Sociology A1 or A2 . . . . .	2	Economics 1 . . . . .	2
Science . . . . .	3	Science . . . . .	3
		Electives . . . . .	4
	<u>18</u>		<u>18</u>
<b>SECOND YEAR</b>			
Chinese 201 . . . . .	3	Chinese 202 or 206 . . . . .	3
English . . . . .	3	English . . . . .	3
History 202, or Pol. Sc. 251 . . . . .	4	History 203, or 204 . . . . .	4
History 205 . . . . .	2	History 206 . . . . .	2
Education 203 . . . . .	3		
Minor and Electives . . . . .	2	Minor and Electives . . . . .	5
	<u>17</u>		<u>17</u>
<b>THIRD YEAR</b>			
History 301 or 303 . . . . .	5	History 302 or 304 . . . . .	5
Chinese . . . . .	2	Chinese . . . . .	2
Education 301 . . . . .	3		
Minor and Electives . . . . .	7	Minor and Electives . . . . .	10
	<u>17</u>		<u>17</u>
<b>FOURTH YEAR</b>			
History 401 or . . . . .		History 404 . . . . .	2
Pol. Sc. 451 or 453 . . . . .	4	History 406 . . . . .	2
		History 407 or Pol. Sc. 456 . . . . .	2
		Education 402 . . . . .	2
Minor and Electives . . . . .	13	Minor and Electives . . . . .	9
	<u>17</u>		<u>17</u>

<i>Summary:</i> General Requirement . . . . .	56 credits
Major . . . . .	32 "
Minor . . . . .	16 "
Electives . . . . .	34 "
	<u>138</u>

*Note:* The requirement for a Minor in History and Political Science is seventeen credits, distributed as follows:-

Second Year. First Term. History 202 or Pol. Sc. 251	4 credits
Second Term. History 203 or 204 . . . . .	4 "
Third Year. First Term. History 301 or 303	
Second Term. History 302 or 304 . . . . .	5 "
Fourth Year. First Term. History 401 or Pol. Sc. 451	
Second Term. History 404 and 406 . . . . .	4 "
	<u>17</u>

### DESCRIPTION OF COURSES OF STUDY

(for details refer to Chinese Catalogue)

#### A. HISTORY

Course Number	Subject	Credits
A1	Backgrounds of Civilisation . . . . .	2
A2	Contemporary Civilisation . . . . .	2
101	Essentials of Chinese History . . . . .	4
201	Ancient Chinese History . . . . .	2
202	Chinese History: B.C. 221 to A.D. 1517 . . . . .	4
203	Modern Chinese History . . . . .	4
204	History of Chinese Agriculture . . . . .	2
205	Essentials of the Political and Economic Geography of the Far East . . . . .	2
206	Geographical Factors in History . . . . .	2
301	History of Western Europe: A.D. 476 to 1648 . . . . .	5
302	Modern European History . . . . .	5
303	English History . . . . .	5
304	History of the United States . . . . .	5
401	History of the Far East . . . . .	4
402	History of Shantung . . . . .	2

403	Historical Seminar . . . . .	2
404	The Teaching of History . . . . .	2
405	History of Western Agriculture . . . . .	4
406	History of Soviet Russia . . . . .	2
407	Post-War World History . . . . .	2

#### B. POLITICAL SCIENCE

251	Chinese Government . . . . .	4
451	Introduction to Political Science. . . . .	4
452	Comparative Constitutional Government . . . . .	4
453	International Law . . . . .	4
454	Rural Political Organisation . . . . .	2
455	Rural Seminar . . . . .	2
456	Modern Political Theory . . . . .	2

*Note:* Students of other Departments may elect any of the above courses provided they have studied the necessary pre-requisite courses.

### 5. DEPARTMENT OF SOCIOLOGY AND ECONOMICS

T. H. Yü, Ph. D. . . . . Head of Department  
 T. J. Fan, B. A.  
 S. Lautenschlager, M. A.

#### MAJOR CURRICULUM IN SOCIOLOGY AND ECONOMICS

First Term		Second Term	
	Credits		Credits
<b>FIRST YEAR</b>			
Party Principles . . . . .	1	Party Principles . . . . .	1
Chinese 101 . . . . .	3	Chinese 102 . . . . .	3
English . . . . .	3	English . . . . .	3
History A1 . . . . .	2	History A2 . . . . .	2
History 101 . . . . .	4	Economics . . . . .	2
Sociology A1 or A2 . . . . .	2	Science . . . . .	3
Science . . . . .	3	Electives . . . . .	4
	<u>18</u>		<u>18</u>
<b>SECOND YEAR</b>			
Chinese 201 . . . . .	3	Chinese 202 or 203 . . . . .	3
English . . . . .	3	English . . . . .	3
Education 203 . . . . .	3	Major . . . . .	8
Major . . . . .	8	Minor and Electives . . . . .	4
	<u>17</u>		<u>18</u>
<b>THIRD YEAR</b>			
Major . . . . .	6	Major . . . . .	8
Chinese . . . . .	2	Chinese . . . . .	2
Education 301 . . . . .	3		
Minor and Electives . . . . .	4	Minor and Electives . . . . .	7
	<u>17</u>		<u>17</u>
<b>FOURTH YEAR</b>			
Major . . . . .	6	Major . . . . .	6
		Education 402 . . . . .	2
Minor and Electives . . . . .	11	Minor and Electives . . . . .	8
	<u>17</u>		<u>16</u>

*Summary:*

General Requirement . . . . .	56	credits
Major . . . . .	46	"
Minor . . . . .	16	"
Electives . . . . .	20	"
	<u>138</u>	

#### DESCRIPTION OF COURSES OF STUDY

(for details refer to Chinese Catalogue)

##### A. GENERAL SOCIOLOGY

Course Number	Subject	Credits
A1	Introduction to the Social Sciences . . . . .	2
A2	Introduction to Sociology . . . . .	2
A3	The Materials for the Study of the Social Sciences . . . . .	2
A4	Social Evolution . . . . .	2
A5	Social Psychology . . . . .	2
A6	Anthropology and Archaeology . . . . .	2
A7	Human Geography and Social Ecology . . . . .	2
A8	Social Problems . . . . .	2
A9	Sex Sociology and Domestic Sociology . . . . .	2
A10	Heredity and Eugenics . . . . .	2
A11	The Crowd, and Mass Activity . . . . .	2
A12	Ethnology and Race Problems . . . . .	2
A13	Social Policy . . . . .	2
A14	Statistical Sociology . . . . .	2
A15	Social Control . . . . .	2
A16	Principles of Sociology . . . . .	2
A17	Sociology Seminar . . . . .	2

##### B. SOCIAL RESEARCH

B1	The Sociology of Labour, and Labour Problems . . . . .	2
B2	Urban Sociology . . . . .	2
B3	Rural Sociology . . . . .	2
B4	Educational Sociology . . . . .	2
B5	Economic Sociology . . . . .	2



B6	Political Sociology . . . . .	2
B7	Biological Sociology . . . . .	2
B8	Biographics and Genealogy . . . . .	2
B9	Social Efficiency . . . . .	2
B10	Legal Sociology . . . . .	2
B11	Social Theories, and Philosophies of History . . . . .	2
B12	Social Research Seminar . . . . .	2

**C. SOCIAL SERVICE**

C1	Group Service . . . . .	2
C2	Community Service . . . . .	2
C3	Social Pathology and Relief Service . . . . .	2
C4	Criminal Sociology and Penology . . . . .	2
C5	The Police and Reformatory Service . . . . .	2
C6	Individual Case Work . . . . .	2
C7	Social Service Seminar . . . . .	2

**E. ECONOMICS**

E1	Introduction to Economics . . . . .	2
E2	Book-keeping . . . . .	2
E3	Accountancy . . . . .	2
E4	Statistics . . . . .	2
E5	Rural Economics . . . . .	2
E6	Money and Banking . . . . .	2
E7	Business Organisation . . . . .	2
E8	Business Administration . . . . .	2
E9	Insurance . . . . .	2
E10	Transportation and Communications . . . . .	2
E11	International Trade and Exchange . . . . .	2
E12	Investments . . . . .	2
E13	Economic History . . . . .	2
E14	Principles of Economics . . . . .	2
E15	Economic Theories . . . . .	2
E16	Economics Seminar . . . . .	2

**F. FRONTIER SERVICE**

F1	Frontier History . . . . .	2
F2	Frontier Geography . . . . .	2

F3	General History of Colonization . . . . .	2
F4	History of Overseas Chinese . . . . .	2
F5	Colonial Policies . . . . .	2
F6	Colonial Government . . . . .	2
F7	Colonial Administration . . . . .	2
F8	Colonial Economics . . . . .	2
F9	Practical Methods of Colonization . . . . .	2
F10	International Law . . . . .	2
F11	Frontier Culture . . . . .	2
F12	Colonial Research . . . . .	2
F13	Frontier Service Seminar . . . . .	2
F14	Expeditions to Frontier Regions . . . . .	2

*Note:* In view of the fact that this branch of studies is not yet completely organised, during the coming year only a limited number of courses will be offered as electives.

6. DEPARTMENT OF FINE ARTS

J. W. Hunter . . . . . Head of Department

MUSIC.

Pianoforte . . . . . 1 credit per term course.

A special fee of \$15.00 per term is made for this course.

MAJOR CURRICULA AND DESCRIPTION OF COURSES  
COLLEGE OF SCIENCE

1. DEPARTMENT OF BIOLOGY

A.P. Jacot, B.A. . . . . Head of Department  
H.K. Ch'en, Ph. D.

MAJOR CURRICULUM IN BIOLOGY

First Term		Second Term	
	Credits		Credits
<b>FIRST YEAR</b>			
Party Principles . . . . .	1	Party Principles . . . . .	1
Chinese 101a . . . . .	2	Chinese 102a . . . . .	2
English . . . . .	3	English . . . . .	3
Mathematics 101 . . . . .	3	Mathematics 102 . . . . .	3
Physics 101 . . . . .	3	Physics 102 . . . . .	3
Chemistry 101 . . . . .	3	Chemistry 102 . . . . .	3
Biology 101 . . . . .	3	Biology 102 . . . . .	3
	<u>18</u>		<u>18</u>
<b>SECOND YEAR</b>			
English . . . . .	3	English . . . . .	3
Biology 201 . . . . .	4	Biology 202 . . . . .	4
Corr. Subj: Chemistry or Physics . . . . .	4	Corr. Subj: Chemistry or Physics . . . . .	4
Social Sciences . . . . .	2	Social Sciences . . . . .	2
Electives . . . . .	6	Electives . . . . .	6
	<u>19</u>		<u>19</u>
<b>THIRD YEAR</b>			
Biology 301 . . . . .	4	Biology 302 . . . . .	4
Biology 303 . . . . .	4	Biology 304 . . . . .	4
Corr. Subj: English . . . . .	4	Corr. Subj: English . . . . .	4
Education 203 . . . . .	3	Education 402 . . . . .	2
Electives . . . . .	2	Electives . . . . .	2
	<u>17</u>		<u>16</u>
<b>FOURTH YEAR</b>			
Biology 401 . . . . .	3	Biology 402 . . . . .	3
Biology 404 . . . . .	4	Biology 403 . . . . .	4
Electives . . . . .	9	Electives . . . . .	8
	<u>16</u>		<u>15</u>

<i>Summary:</i> General Requirement . . . . .	51	credits
Major . . . . .	38	"
Correlated Subjects . . . . .	16	"
Electives . . . . .	33	"
TOTAL	138	

*Note:* The four credits required in Social Sciences may be taken in any of the following subjects:— Economics, Sociology, History and Political Science.

### DESCRIPTION OF COURSES OF STUDY

(for details refer to Chinese Catalogue)

Course Number	Subject	Credits
101-102	General Biology . . . . .	3-3
201	Invertebrate Zoology . . . . .	4
202	Vertebrate Zoology . . . . .	4
301	General Embryology . . . . .	4
302	Animal Histology . . . . .	4
303	General Botany . . . . .	4
304	Local Flora . . . . .	4
305	Plant Histology . . . . .	4
306	Parasitology . . . . .	4
307	Physiology . . . . .	4
308	Ecology . . . . .	4
401	Genetics . . . . .	3
402	Evolution . . . . .	3
403	Entomology . . . . .	4
404	Local Fauna . . . . .	4
405	Advanced Embryology . . . . .	4
406	Advanced Vertebrate Zoology . . . . .	4
407	History of Biology . . . . .	2
408-409	Biological Problems . . . . .	3-3
410	Biological Seminar . . . . .	1

## 2. DEPARTMENT OF CHEMISTRY

H.Hsieh, Ph. D. . . . . Head of Department  
 Y.F. Ts'ui, B. Sc.  
 C.Wang, B. S.  
 H.A. Yu, B. Sc.

### MAJOR CURRICULUM IN CHEMISTRY

First Term		Second Term	
FIRST YEAR	Credits		Credits
Party Principles . . . . .	1	Party Principles . . . . .	1
Chinese 101a . . . . .	2	Chinese 102a . . . . .	2
English . . . . .	3	English . . . . .	3
Mathematics 101 . . . . .	3	Mathematics 102 . . . . .	3
Physics 101 . . . . .	3	Physics 102 . . . . .	3
Chemistry 101 . . . . .	3	Chemistry 102 . . . . .	3
Biology 101. . . . .	3	Biology 102 . . . . .	3
	18		18
<b>SECOND YEAR</b>			
English . . . . .	3	English . . . . .	3
Chemistry 201 . . . . .	5	Chemistry 202 . . . . .	5
Corr. Subj: Mathematics 201	3	Corr. Subj: Mathematics 202	3
Physics or Biology	3	Physics or Biology	3
French or German	3	French or German	3
Social Sciences . . . . .	2	Social Sciences . . . . .	2
	19		19
<b>THIRD YEAR</b>			
Chemistry 301 . . . . .	5	Chemistry 302 . . . . .	5
Chemistry 303 . . . . .	4	Chemistry 304 . . . . .	5
Corr. Subj: French or German	3	Corr. Subj: French or German	3
Education 203 . . . . .	3	Education 402 . . . . .	2
Electives . . . . .	2	Electives . . . . .	3
	17		17
<b>FOURTH YEAR</b>			
Chemistry 401 . . . . .	2	Chemistry 402 . . . . .	2
Chemistry 403 . . . . .	3	Chemistry 404 . . . . .	3
Electives . . . . .	10	Electives . . . . .	10
	15		15

<i>Summary:</i>	General Requirement	51 credits
	Major	38 "
	Correlated Subjects	24 "
	Electives	25 "
	<b>TOTAL</b>	<b>138 "</b>

*Note:* The four credits required in Social Sciences may be taken in any of the following subjects: Sociology, Economics, History, Political Science, Psychology.

### DESCRIPTION OF COURSES OF STUDY.

(for details refer to Chinese Catalogue)

Course Number	Subject	Credits
101-102	General Chemistry	3-3
101M	General Chemistry	5
102M	Analytical Chemistry	5
201	Qualitative Analysis	5
201M	Physical Chemistry	5
202	Quantitative Analysis	5
202M	Organic Chemistry	5
301-302	Organic Chemistry	5-5
303-304	Physical Chemistry	4-4
305-306	Advanced Inorganic Chemistry	2-2
307-308	Inorganic Syntheses	3-3
309-310	Mineralogy	3-3
401-402	Industrial Chemistry	2-2
403	Qualitative Organic Analysis	3
404	Industrial Analysis	3
405-406	Advanced Organic Chemistry	4-4
407-408	Organic Syntheses	3-3
409-410	Special Problems in Applied Chemistry	2-2
411	Food Chemistry	2
412-413	Colloid Chemistry	3-3
414-415	History of Chemistry	1-1
416-417	Chemical Problems	?
418-419	Seminar	2-2

*Note:* Courses marked M are arranged for PreMedical Students.

### 3 DEPARTMENT OF MATHEMATICS AND ASTRONOMY

H. E. Wang, M. Sc. . . . . Head of Department  
 E. L. Phillips, B. A. Hons.  
 Enid B. Phillips, B. Sc.

#### MAJOR CURRICULUM IN MATHEMATICS.

First Term		Second Term	
		Credits	Credits
<b>FIRST YEAR</b>			
Party Principles	1	Party Principles	1
Chinese 101a	2	Chinese 102a	2
English	3	English	3
Mathematics 101	3	Mathematics 102	3
Biology 101	3	Biology 102	3
Chemistry 101	3	Chemistry 102	3
Physics 101	3	Physics 102	3
	<u>18</u>		<u>18</u>
<b>SECOND YEAR</b>			
English	3	English	3
Mathematics 201	3	Mathematics 202	3
Mathematics 203	3	Mathematics 204	3
Physics 201	3	Physics 204	5
Social Sciences	2	Social Sciences	2
Electives	4	Electives	2
	<u>18</u>		<u>18</u>
<b>THIRD YEAR</b>			
Mathematics 301	3	Mathematics 302	3
Mathematics 303	3	Mathematics 304	3
Mathematics 305	3	Mathematics 306	3
Physics 303	5	Physics or Electives	6
Education 301	3	Education 402	2
	<u>17</u>		<u>17</u>
<b>FOURTH YEAR</b>			
Mathematics 401	3	Mathematics 404	2
Mathematics 403	3		
Mathematics	3	Mathematics	7
Physics or Electives	7	Electives	7
	<u>16</u>		<u>16</u>

<i>Summary:</i>	General Requirement	51 credits
	Major	48 "
	Correlated Subject (Physics)	17 "
	Electives	22 "
	<b>TOTAL</b>	<b>138</b>

- Note:* 1. The four credits required in Social Sciences may be chosen from any of the following subjects: Sociology, Economics, History, Political Science.
2. In the fourth year, a student may elect additional courses in Mathematics, outside the number already required to be elected, subject to the approval of the Head of Department.
3. A student wishing to study Advanced Applied Mathematics (other than Astronomy) may elect such courses in the Physics Department, the credits obtained being reckoned in the Major requirement on the approval of the Head of Department.

### DESCRIPTION OF COURSES OF STUDY

(for details refer to Chinese Catalogue)

Course Number	Subject	Credits
101-102	Freshman Course in Mathematics	3-3
103-104	PreMedical Mathematics	2-2
201	Higher Algebra	3
202	Calculus 1	3
203	Analytic Geometry of Three Dimensions 1	3
204	Plane Analytic Geometry	3
301	Differential Equations 1	3
302	Calculus 2	3
303-304	Modern Geometry	3-3
305-306	Descriptive Astronomy	3-3
307-308	Surveying	3-3
309	Meteorology	3
310	Spherical Trigonometry	2
311	Vector Analysis and tensors	3
401	Analytic Geometry of Three Dimensions 2	3

403	Differential Equations 2	3
404	The Teaching of Mathematics	2
405	Theory of Equations	2
406	Non-Euclidean Geometry	3
407-408	Higher Analysis	3-3
409-410	Functions of a Complex Variable	3-3
411	Introduction to Mathematical Philosophy	3
412	Theory of Sets of Points	3
413-414	Applied Astronomy	3-3

*Note:* For courses in Advanced Applied Mathematics (other than astronomy) refer to the Department of Physics.

#### 4. DEPARTMENT OF PHYSICS

T.P. Ch'en, (Berlin) . . . . . Head of Department  
 P.S. Chou, B.A.  
 P.S. Wang, (Cheeloo)  
 P.H. Wei, M.Sc.

##### MAJOR CURRICULUM IN PHYSICS

First Term		Second Term	
	Credits		Credits
<b>FIRST YEAR</b>			
Party Principles . . . . .	1	Party Principles . . . . .	1
Chinese 101a . . . . .	2	Chinese 101a . . . . .	2
English . . . . .	3	English . . . . .	3
Mathematics 101 . . . . .	3	Mathematics 102 . . . . .	3
Physics 101 . . . . .	3	Physics 102 . . . . .	3
Chemistry 101 . . . . .	3	Chemistry 102 . . . . .	3
Biology 101 . . . . .	3	Biology 102 . . . . .	3
	<u>18</u>		<u>18</u>
<b>SECOND YEAR</b>			
English . . . . .	3	English . . . . .	3
Physics 201 . . . . .	3	Physics 202 . . . . .	4
		Physics 204 . . . . .	5
Mathematics 201 . . . . .	3	Mathematics 202 . . . . .	3
Correlated Subjects . . . . .	6		
Social Sciences . . . . .	2	Social Sciences . . . . .	2
	<u>17</u>		<u>17</u>
<b>THIRD YEAR</b>			
Physics 301 . . . . .	4	Physics 302 . . . . .	8
Physics 303 . . . . .	5	Physics 304 . . . . .	5
Mathematics 301 . . . . .	3		
		Correlated Subjects . . . . .	3
Education 203 . . . . .	3	Education 402 . . . . .	2
Electives . . . . .	2	Electives . . . . .	3
	<u>17</u>		<u>17</u>
<b>FOURTH YEAR</b>			
Physics 401 . . . . .	4	Physics 404 . . . . .	4
Physics 403 . . . . .	5	Physics 406 . . . . .	4

Physics 405 . . . . .	3	Correlated Subjects . . . . .	4
Electives . . . . .	5	Electives . . . . .	5
	<u>17</u>		<u>17</u>
<i>Summary:</i> General Requirement . . . . .			51 credits
Major . . . . .			50 "
Correlated Subjects . . . . .			22 "
Electives . . . . .			15 "
		TOTAL	<u>138</u> "

*Note:* Chemistry and Mathematics are considered as Correlated Subjects for students in this Department. Of the twenty-two credits required in Correlated Subjects, nine must, as indicated in the above table, be obtained in Mathematics courses 201, 202, 301. The remainder should be chosen by the student under the guidance of the Head of Department.

##### DESCRIPTION OF COURSES

(for details refer to Chinese Catalogue)

Course Number	Subject	Credits
101,102,201	General College-Physics . . . . .	3-3-3
202	Practical Mechanics . . . . .	4
204-303	Theoretical Mechanics . . . . .	5-5
301	Practical Optics . . . . .	4
302-401	Practical Electricity and Magnetism . . . . .	4-4
304	Thermodynamics . . . . .	5
305	Atomic Theory . . . . .	4
306	Theory of Radio-activity . . . . .	3
307-308	Advanced Practical Optics . . . . .	1-1
403	Theoretical Electricity and Magnetism . . . . .	5
404	Theoretical Optics . . . . .	4
405	Quantum Theory . . . . .	3
406	Theory of Relativity . . . . .	4
407	Kinetic Theory of Gases . . . . .	3
408	Electron Theory . . . . .	5
409	History of Physics . . . . .	2
410	The Teaching of Physics . . . . .	2
411-412	Advanced Practical Physics . . . . .	2-2
413	Wireless Telegraphy and Telephony . . . . .	2

**COLLEGE OF SCIENCE.  
TWO YEAR PREMEDICAL COURSE**

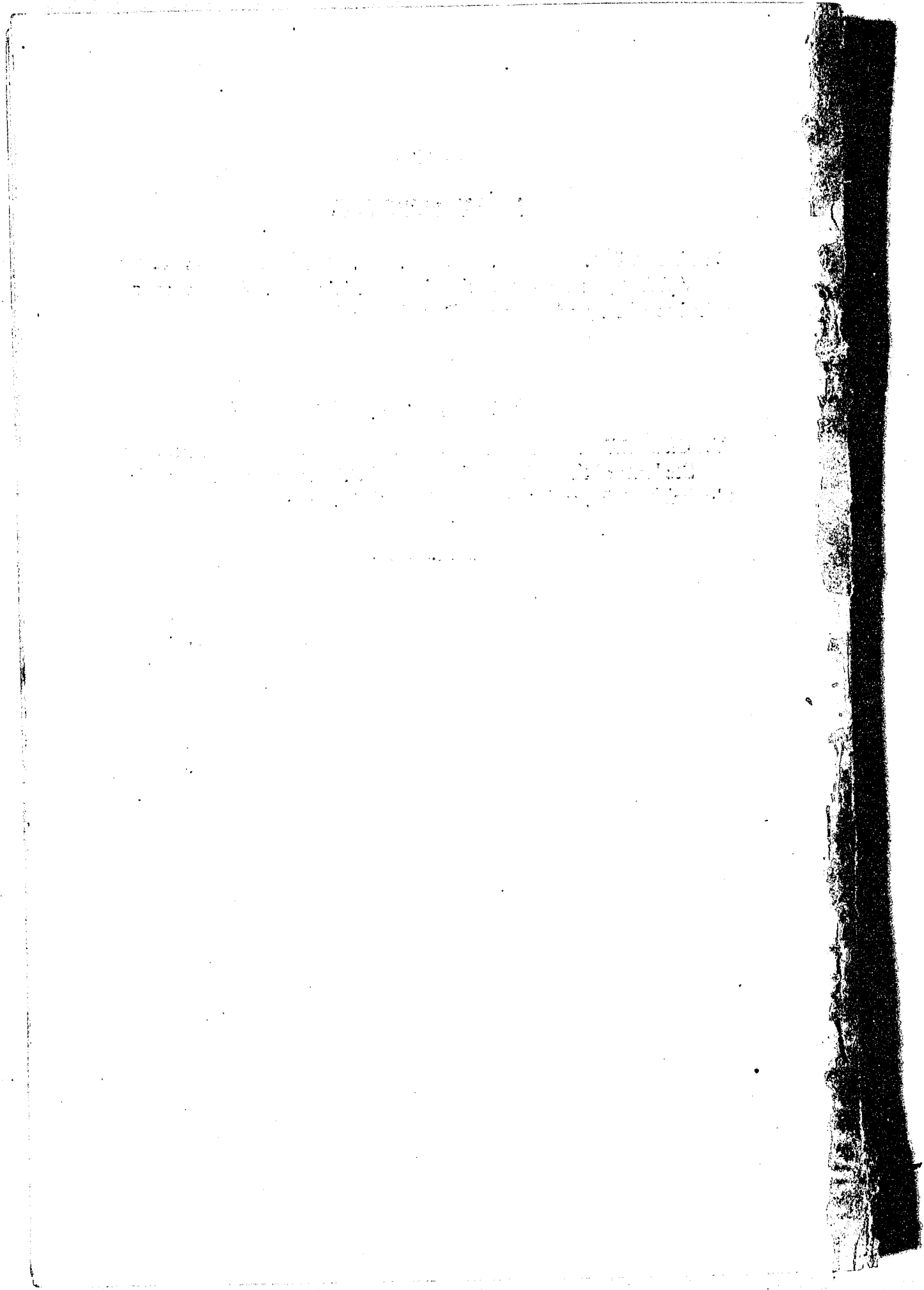
First Term		Second Term	
	Credits		Credits
<b>FIRST YEAR</b>			
Party Principles . . . . .	1	Party Principles . . . . .	1
Chinese 101a . . . . .	2	Chinese 101a . . . . .	2
English . . . . .	3	English . . . . .	3
Mathematics 103 . . . . .	2	Mathematics 104 . . . . .	2
Biology 101 . . . . .	3	Biology 202 . . . . .	3
Chemistry 101M . . . . .	5	Chemistry 102M . . . . .	5
Physics 101 . . . . .	3	Physics 102 . . . . .	3
	<u>19</u>		<u>19</u>
<b>SECOND YEAR</b>			
English . . . . .	3	English or Electives . . . . .	3
Biology 201 . . . . .	4	Biology 202 . . . . .	4
Chemistry 201M . . . . .	5	Chemistry 202M . . . . .	5
Physics 201 . . . . .	3		
		Psychology . . . . .	3
History A1 . . . . .	2	History A2 . . . . .	2
	<u>17</u>		<u>17</u>
<b>Summary:</b>			
Party Principles . . . . .			2 credits
Chinese . . . . .			4 "
English . . . . .			9 "
Mathematics . . . . .			4 "
Biology . . . . .			14 "
Chemistry . . . . .			20 "
Physics . . . . .			9 "
Psychology . . . . .			3 "
History . . . . .			4 "
Electives . . . . .			3 "
		<b>TOTAL</b>	<u>72</u>

**PARTY PRINCIPLES**

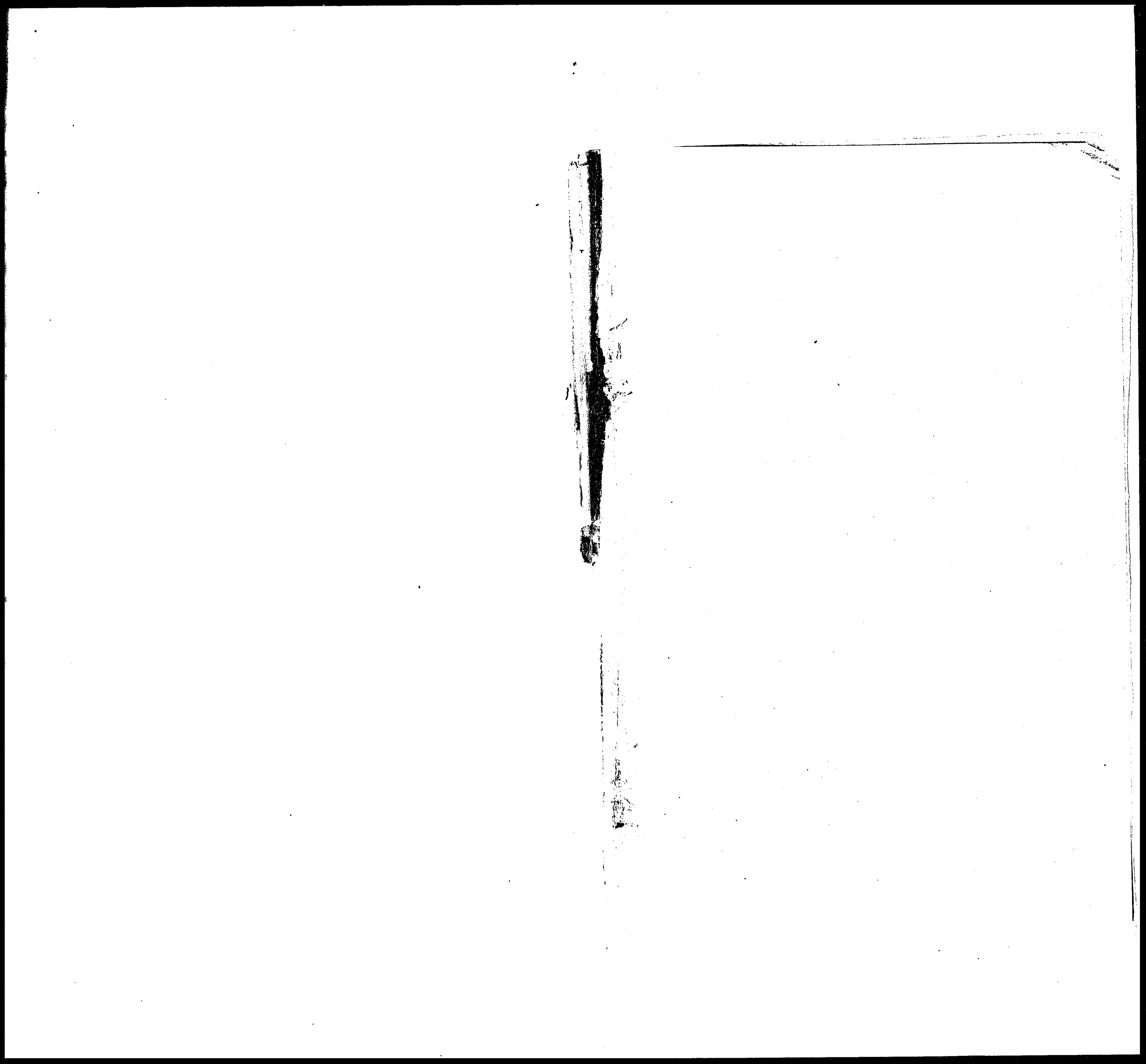
C.N. Wang, B.A. . . . . Instructor  
All first year students of the Colleges of Arts and Science are required to take a year's course in Party Principles.

**PHYSICAL EDUCATION**

C.K. Chao, B.P.E. . . . . Instructor  
Students of the Colleges of Arts and Science are required to take Physical Training each term throughout their course.







CHINA UNION UNIVERSITIES  
CENTRAL OFFICE

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*Sent to N.A.S. 9/2/31*

SHANTUNG  
CHRISTIAN  
UNIVERSITY  
BULLETIN

No. 83

REPORT OF THE ACTING PRESIDENT  
AND ADMINISTRATIVE OFFICERS

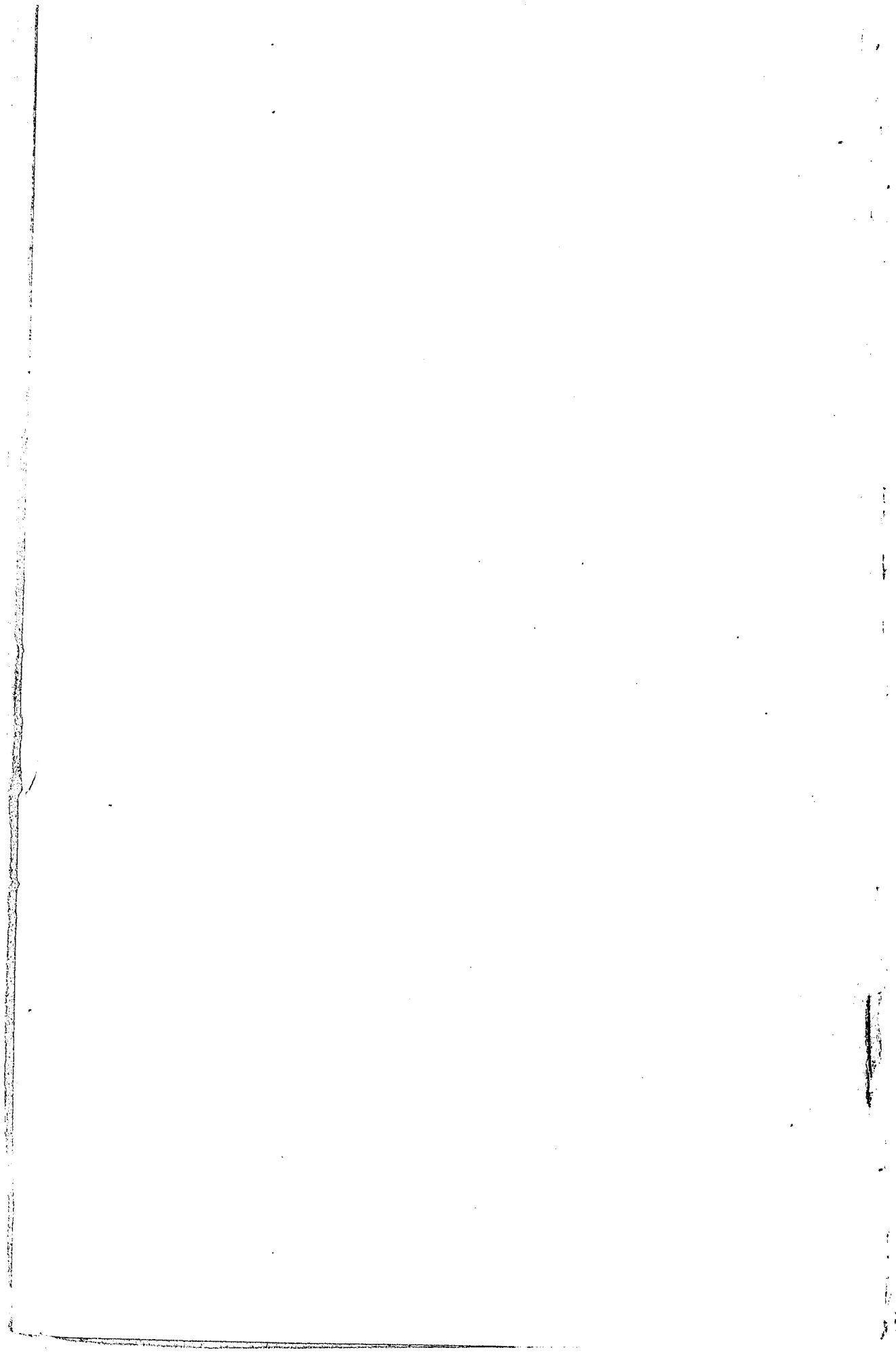
1930-31



Printed by The University Press

SHANTUNG CHRISTIAN UNIVERSITY BULLETIN 1930-31  
(Report of the Acting President)

RECEIVED  
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AUG 24 1931  
JOINT OFFICE



REPORT OF THE ACTING PRESIDENT  
AND ADMINISTRATIVE OFFICERS  
OF  
SHANTUNG CHRISTIAN UNIVERSITY  
1930—31

Shantung Christian University

(CHEELOO UNIVERSITY)

President's Report—1930-31

(By the Vice-President)

*To the Board of Directors and the Board of Governors*

*Ladies and Gentlemen.*

The fact that our President is not in residence at the University seems to require that this report be presented by the Vice-President.

Reports prepared by the Deans are herewith presented, covering the work of the School of Arts, the School of Science, and the School of Medicine. The Hospital report has been written by the Superintendent. The Treasurer has also prepared a general statement of the finances of the University, which is herewith submitted. His formal report for the year cannot be completed until after June 30th, which is the end of the fiscal year. You have also before you the report by the Dean of Women, and Dr. C. A. Stanley is reporting on the work of the Rural Institute, which is being carried on under his direction with funds provided by the University and the International Famine Relief Commission.

There remain certain matters of more general import which should be briefly brought to your attention.

The Will to Live

The fact of most outstanding significance is that all departments of the institution have been functioning in a normal and satisfactory manner. It is with thankfulness to God and high appreciation of the hard work and loyal service of all the faculties and the administrative staff that this fact is noted. Very special praise is due to Dean T. I. Linn for his tireless energy and to the faculties of the Schools of Arts and Science for their fine cooperation in the rehabilitation of these two Schools. The contrast between the condition of these Schools at the present time and their condition a year ago defies expression.

### The Presidency and Registration

These two matters which seem of such vital importance to the future of the University have occupied the best thought and efforts of the Committees having them in charge. Dr. H. H. Kung has accepted the Presidency in a non-resident capacity, and the Committee hopes that in due time a Christian Educator of nation-wide reputation and varied experience will be installed as resident President. Negotiations are proceeding in what seems to the Committee to be a very promising way. It is not possible, however, to make formal announcement at this time.

Continuous and both intensive and extensive efforts toward securing registration have been made during the year. This has involved close study of Government regulations and extended consultations with the educational authorities in Tsinan and Nanking. Owing to various changes in the organization of the University but little of the material used in the former attempt to register was suitable. Hence the preparation of the papers required all the Fall months. The description of the University required is very minute. The petition for registration and the documents have been presented to the Commissioner of Education for Shantung, and have been forwarded by him to the Ministry of Education in Nanking. It should not be long now until we are informed regarding the decision of the Ministry. It would be ungracious in this connection not to mention in terms of highest appreciation the untiring zeal and unselfish spending of themselves which have marked the efforts to secure registration made by Vice-Chairman H. L. Yee of our Board of Directors, and Dean T. I. Linn. What has been humanly possible they have done. Many others have helped nobly, and whether our petition is granted this time or not the hearty thanks of those interested in the University is due to all.

### Changes in Organisation

Following the regulations of the Government, the separation of the Theological School from the University has been completed, so that at the present time there is no longer any connection between the two institutions. Within the University the former "School of Arts and Science" has been definitely reorganized and the "School of Arts" and the "School of Science" have been formally differentiated.

In accordance with the action of the Board of Directors (No. 921, June 1930) the membership of the Board has been rearranged to meet the regulations of the Government. The present membership is as follows: elected representatives, 17; coopted members, 6. Of the elected representatives, 7 are Westerners and 10 are Chinese: of these ten, 5 are elected by and from the alumni and 5 by cooperating missions. All the coopted members are Chinese. The ratio of Chinese to Western members is: Chinese 16, Western 7. The Government regulations require a two-thirds Chinese membership. In this readjustment we have two more Chinese members than is required by the regulations, and this result has been attained with a Board of 23 members because five of the Missionary Societies have elected Chinese representatives.

One member of the Board, Charles F. Johnson, M. D., one of the representatives of the Presbyterian Mission (North) has passed into the unseen world, thus depriving the Board and the University of the faithful service which he has given during the past twenty years.

In this connection the attention of the Board is called to the organization in London of the United Committee for Christian Universities of China. Mr. W. G. Sewell, a professor in West China Union University has been released by the Friends Service Council for a period of two years and has assumed secretarial duties for this committee. This new organization corresponds to the China Union Universities in America. It is understood that Dr. Weir continues his work as Secretary of the British Section of the Board of Governors.

### New Co-operating Mission Board.

The Woman's Board of the United Church of Canada has contributed toward the support of the Medical School during the year. We heartily welcome this addition to our sustaining Societies.

### Internal Organisation.

The new regulations for the internal management adopted in June by the Board of Directors and later approved by the Board of Governors, have been followed during the year. As you are all aware, the chief points of difference from former procedure lie in placing more responsibility upon the President and in substituting the smaller Executive

Council for the Senate as the general administrative organ within the University. Internal affairs have run on smoothly through the year. There has been no serious opposition to the new methods. Some have expressed strong approval. The scheme is still too democratic to suit the Chinese educational authorities.

#### Visitors.

1. **Official.** During the year it has been our privilege to receive visitations from an unusually large number of Board Secretaries of our supporting Missions, and of various commissions of inquiry. These visits have all been stimulating and some of them have been of great help to us spiritually.

2. **Local.** A new sign board was placed outside the Alumni Gate during the summer vacation of 1930, which intimated that visitors would be welcomed. The response was immediate. Individuals and groups have been coming ever since. Some come in to enjoy the beautiful campus, without making themselves known, and many ask to be shown over the buildings. Several groups from Japan have expressed keen appreciation of the work which they have seen. One group of students from far away Szechuen, touring China, and groups from Mukden, Harbin and other places have looked us over. The visitors book records 876 persons who have called to see us during the previous ten months. Several hundreds, of whose visits no record has been possible, have also passed in and out.

A really delightful effect of opening our doors has been the opportunity to lend our athletic grounds to some seven Schools of the City for their spring contests. Three of the large Middle Schools, one Normal School, three primary schools and several athletic clubs have been our guests in this way, aggregating not less than 2,500 persons. Altogether probably 4,000 people have come in to see us and to play in our yard. The attitude of the Tsinan population toward the University has been favourably affected by the better acquaintance resulting from these visits.

#### Return from Furlough.

The return from furlough of the Rev. H. P. Lair, D. D., Treasurer of the University, and of Miss Grace M. Hickson, Secretary to the President, is noted as being of great importance to the administrative work of the University.

#### The Augustine Library.

The Library has enjoyed the most successful year of its history. The large additions of Chinese books have been made possible by grants from the Harvard-Yenching Hall Estate funds. Within the year 50,810 volumes in the Chinese language have been added, and 1,602 volumes in other languages, chiefly in English. The total for the library is 71,094 volumes in Chinese and 15,190 in other languages. The number of people using the library is increasing. The daily average of visits or attendances for reading and studying was about 450. Eleven thousand three hundred and eight (11,308) volumes were taken out during the year and there were 25,650 calls for reference books. The library is open fourteen hours a day during the regular school sessions. It has been open 349 days during the year. New stacks for the Chinese books added during the year are now under construction.

#### The University Press

The equipment of the University Press has been much improved. A new and larger press has been installed and a considerable addition to the stocks of English and Chinese type has been made. The book-binding department has been very busy. The staff is being increased as suitable men are found.

The output of the Press for a little less than eleven months ending December 31st, 1930, was: Bound Volumes, 21,507; Single Sheets, 436,870; Total number of pages, 1,338,430.

#### In Conclusion.

We have had a good year—a far better year than we could have reasonably expected. God has blessed us. The great needs of the institution are spiritual. Faith, courage, love, a spirit of self-sacrifice, a practice of unity—if we could secure such spiritual graces in higher degree perhaps God could entrust us with the material things which we seem to need so much.

Respectfully submitted

L. J. DAVIES,

Vice-President.

June 1931

## Report of the Schools of Arts and Science

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When the Colleges of Arts and Science opened in the fall of 1930 about 70 percent of the old students came back to school. In giving the entrance examination for new students very careful selection was made. Although we have had a comparatively small number of students, yet some worth-while things have been accomplished, and improvements made during the year. The following points may be mentioned:—

### Teaching Staff.

We were fortunate in securing a head for the Department of **Sociology and Economics**, and also for the Department of **Education**. These professors are both of good academic standing and experience, so they are well qualified for these positions. The Department of **Chinese** has been helped to some extent by the Research Institute, some of its members taking part in the teaching. In consequence some subjects have been added of a more literary nature so as to raise the cultural standard of the students and arouse them to a better understanding of and interest in Chinese literature. The Departments of **Physics and Chemistry** of the College of Science have also secured new heads, who are very well qualified for their posts, and consequently these two departments have been very much improved and show a high standard of work and efficiency. The number of instructors has also been increased so as to make for efficiency in the work of each department.

### Curriculum.

We have remodelled the curriculum in each department so as to make it more complete than heretofore. During the past two months the requirements for each department have been revised. A few of the important points to which special attention has been given are as follows:—

(a) The number of credits required has been increased, and the number of hours both for major and minor subjects and the general requirements for the first year have been so arranged that during the four years the credits required for graduation are 138, a total of ten more than have been required heretofore.

— 7 —

(b) In most departments a wider range of subjects has been included in the courses offered. In remodelling the curriculum we have taken the catalogues of other universities, both government and private, for reference in order to make our own curriculum more complete and representative. We hope in this way not only to raise the standard for the individual student, but also to give an opportunity to Arts students to acquire a good general knowledge of science, and to Science students to do a certain amount of work in literature, sociology and general education. In this way it is hoped that all our graduates will be better qualified to render good service to the community.

All these changes in the curriculum are printed in the catalogue of the Colleges of Arts and Science and will be put into effect from the beginning of the fall term 1931

### Equipment.

During the year we have tried to practise stringent economy in order to save money for the purchase of new equipment for the different departments in the way of instruments, apparatus, etc. This is necessary if these departments are to carry on their work, both theoretical and practical, in an efficient manner. Something has already been done towards this end, but there is still much which needs to be added, but we hope that our aim will soon be accomplished.

Constructional work on the *Gas Plant* has been started after a delay of several years. We are grateful to the Rockefeller Foundation for a grant of \$5000 toward this object. It is hoped that the Plant will soon be completed and be ready for use in the coming session.

### College Spirit.

We are glad to report that the fine college spirit of the University has been maintained and even strengthened. There has been close cooperation between the different colleges, among the students, and between students and the teaching staff. There has been no conflict either of opinion or otherwise. Our students have been frugal and hard-working, simplicity of life being a special feature of this University, and the students giving their best work in their studies.



### Student Activities.

(a) **Student Self-government Society.** This was reorganized during the fall of 1930. It takes charge of the students' kitchen and supervises the carrying out of the dormitory rules. At the same time these are also under the supervision of the School authorities.

(b) **Athletics.** Although we have not a large number of students during the present year, they have been very keen in their athletic training. During the Provincial Meet nine of our students took first place, and more recently at the North China Meet our students took first place in two events.

(c) **Other Organisations.** Besides those mentioned above there are also the Cheeloo Literary Society, the Lecture Club, the Sociology Group, the Educational Association, the International Relations Club, and Chinese Musical Clubs, Brass Band etc. These have their more or less regular meetings and have had satisfactory results. Besides these there are also in existence the class meetings and provincial groups, so that the students have proper pleasures and amusements while living a simple life

(d) **Religious Activities**— These are satisfactory. At morning chapel the attendance averages from 50 per cent upwards. There are also Bible Study Classes which meet on Sundays, Christian Retreats and so forth. These Classes and Retreats are attended by members of both the faculties and the student body. There are at times ten of these classes meeting at the same time on Sunday, and special meetings and retreats were arranged by the Christian Fellowship on several occasions during the winter. There has been a spirit of great friendliness between students and staff.

### Publicity

Beginning from the summer of 1930 we felt that there was an urgent call for some sort of published material to furnish information to both students and alumni of the University and arouse their interest in the University. We therefore organized a paper which is called "The Cheeloo Bulletin" published in Chinese, which has no doubt helped in the direction of publicity, especially among the alumni. As a result several Alumni Associations have been formed in different places, thus evidencing their increased interest in the affairs of Cheeloo. Six hundred copies of this Chinese bulletin are mailed monthly to all parts of the country.

### Research Institute.

The Cheeloo Institute for Chinese Research was formed in the fall of 1930. We invited four research workers to take charge of the departments of Chinese Literature, Philosophy, History and Geography, and Social Sciences. Besides these four special Research workers we have also four assistants. Each branch has its special topic to work on and in addition the research workers teach in the Department of Chinese, thus applying the results of their research and helping the development of the students. The results of their work will be printed in the form of an annual report, which is now in course of preparation. It is hoped that it will be published some time during the summer. Short articles written by research workers and others are printed once a month in a periodical which is called the "Ch'i Ta Monthly". Up to the present eight issues have been published, and further issues are contemplated. The Research Institute is responsible for the main portion of this monthly. We are also working toward the publication of a series of books.

### Future Plans.

(a) **To raise the standard of the curriculum.** Having remodelled the curriculum which is to be put into effect next fall, we wish to improve it from time to time so that opportunity may be given to the students to acquire as much knowledge as possible during their stay in the University. One of the points in which we are specially interested is to make both Chinese and foreign languages really useful tools. Our hope is to make the students realise that unless they have a good solid foundation in both Chinese and foreign languages they cannot expect to do successful work after they leave school.

(b) **The development of Athletic work.** We hope to have a special physical director for the girl students. It has been remarked that the girl students of other schools have gone far ahead of us in this direction, so we want to cultivate in our girl students strong and healthy bodies. As the amount of athletic work is becoming more and more we hope in future to be in a position to invite another physical director for the men students, and at the same time, if possible, provide more equipment.

(c) **Scholarships.** Scholarships for graduates to study abroad must be provided by the University with a view to providing teachers for the future. Such scholarships would enable graduates to follow advanced

studies in order to equip themselves for teaching in the University. and would at the same time encourage the students in their work and character.

(d) **Improvements in the dormitories.** We feel that something ought to be done toward the improvement of the men's dormitories, such as the installation of suitable sanitary and heating systems, bath-rooms etc., so that the dormitories may be run on a more wholesome as well as a more economical basis.

(e) **Rural Work.** We have in mind the carrying out of a rural programme in such a way that social centres would be established, one for a certain number of villages in the neighbourhood of the University. At these centres popular education, hygiene and so forth would be taught to the villagers. If found successful we would enlarge the area of such work so as to build up better social conditions among the farmers. Before anything can be done in this way investigations will be necessary and we cannot carry these out unless we are equipped with staff as well as finances.

Respectfully submitted,

T. I. LINN,

Dean of the Schools of Arts and Science.

June 1931

## Report of the School of Medicine

---

For the first time in several years we can report the work of a school year which has not been disturbed by any internal or external incidents. We admitted a new class of 19 in September 1930, making a total enrolment of 93 students, of whom 14 were women. In addition to these, there were 12 Pharmacy students, taking their second and final year, 2 Technician students finished a 12 months course, and 2 a shorter course. There are now 6 students taking special laboratory work. We are very much pleased with the results of the course in Pharmacy which is training men to fill a great need. The previous graduates are nearly all now working in mission hospitals and the members of the present class are expecting to do the same. Mr. Pailing is expecting to admit a new class in the autumn, some of whom will be women. The Technician students are nearly all sent here by mission hospitals and will return to the hospitals sending them. One student has taken a six months course in Massage and Electrotherapeutics.

### Student Activities.

The Students' Medical Society has met at regular intervals during the year. At these meetings papers are read, either by teachers or students. The class of 1933 has arranged during the year a series of lectures which were given to the students every fortnight. These lectures were not always technical but have had cultural or scientific value.

While the Y. M. C. A. has not been active as an organisation, small groups of students and employees, led by members of the staff, have met for Bible study.

As part of the curriculum during the past year, we have had usually an open clinic on Saturdays and also a Clinical Pathological Conference once a week, to which members of staff and all students were invited. A few months ago there was an attempted case of blackmail of the hospital, on account of an autopsy, but we finally employed a lawyer and the case was settled in our favour in court. This temporarily affected the number of autopsies, but during the last 10 months we have had 32, which equals a percentage of 29 on the number of deaths.

In athletics during the recent year there has not been as much interest as one could have wished.

### Staff.

Dr. Wang Hui-Wen returned in September from a year of special study in Anatomy at the Peking Union Medical College. Dr. Yoh I-Hsuin, a graduate of the School of Dentistry of West China Union University, arrived, with his wife, in July and has rendered good service to the hospital patients and the community.

Dr. Evans is still on furlough and it is uncertain when he will return. Dr. Struthers left in November for furlough and Dr. Ingle in March. Drs. Smyly and Gault are leaving in June. Dr. Ch'en Yen-Ping and Dr. Li Shou-Ch'eng are in Peking, doing special work in Physiology and in Bacteriology at the P. U. M. C. The school sustained a great loss in the resignation of Dr. Pa Ta-Chih who had been in charge of the Eye Department for nine years. Dr. Pa has gone to take up a position in Wei-hai-wei.

For the coming year we expect to have a total teaching staff of 36, including those on furlough, 17 foreigners and 19 Chinese. The additions to the staff are chiefly younger teachers in junior positions. We have been unable so far to secure a successor to Dr. Pa, or anyone to be head of the Public Health Department or of the Department of Bacteriology.

### Public Health Work.

A group of volunteer students, led by some of the staff and assisted by a nurse, has begun some Public Health work and rural education in two of the near-by villages. The Pediatrics Department has taken as part of its work the health supervision of the Ch'ung Te School. The work has been done by the 4th year students, under the supervision of Dr. Scott and her assistants. The students have given health talks to the children. The Department of Pediatrics also has a part-time nurse who goes into the homes of the patients and thus extends the value of the out-patient work.

Several members of the staff have visited the English Baptist Mission outstation at Ta Hwai Shu and held clinics twice a week. Dr.

Gell has held clinics for women at the Y.W.C.A. These small efforts are what we hope will be the beginning of better things along the line of extension work in country and city.

### Research Work.

During the year some research work has been done by various members of the staff and several articles have been printed in different medical journals.

### Graduates.

A revised list of the 238 living graduates, with the 57 graduates of the former Peking Women's Union Medical College, has been printed.

The alumni have shown an increasing interest in the School. They took the occasion of the celebration of Dr. McClure's 75th birthday to hold a reunion here at which time they formed a Medical Alumni Association. They and the students are keenly interested in the question of registration as they feel that, if the Medical School is not soon registered, they will be discriminated against, even if some of them are not refused licences to practise.

### Improvements in Physical Plant.

Owing to the fact that the trustees of the New Hospital Building Fund have allowed us to use a small amount of the interest accruing on that fund (they have granted Mex. \$10,000 and G. \$3,000 during the past three years), we have been able to carry out some very much needed improvements in the plant. A small building has been erected for a students' laundry and barber's shop; the Library has been enlarged, by utilising part of the hall-way, in order to make room for the increasing number of books and also to accommodate the larger number of students who are using the Library. A reception room has been made by partitioning off part of the hall-way, and a former classroom has been converted into a pathological museum. In addition to these improvements, we have used from the Hospital Building funds an amount sufficient to make a modern settling basin to take the overflow from the septic tank, and thus removed the just criticism to which we have been subjected for allowing the overflow to run into a public drain. The settling basin is intended to be used for the new hospital also, if it is built. The land for the new hospital has

been walled in and is to be used by the Institute authorities as a children's playground until it is used for building.

Dr. Heimburger will mention the improvements made in the Pediatric ward and the Dental Department, as well as the new lamps for the Electro-therapeutic Department.

#### Visitors.

During the year we have had visits from a number of Board Secretaries, members of the Fact Finding Commission, Mr. Gee of the Rockefeller Foundation, and the Medical Director of the Leonard Wood Leper Commission.

#### Publication Committee.

While the Publication Committee of the China Medical Association is not an integral part of our School, yet, as the large majority of the Committee, as well as the Executive Secretary, Dr. McAll, are members of our Faculty, it is proper to give a short report of this Committee during the past year. Dr. McAll reports:—

The Publication Committee has continued its activities during the past twelve months and can report an encouraging amount of work done. Mr. Leo returned in December, after a year's absence for health reasons. In March 1931 Dr. Ingle left on furlough.

Besides four numbers of the Tsinan Medical Review, the following pieces of translation work have been done and are now either printed or in the press:—

New edition of the English-Chinese Medical Lexicon.

Completion of new Chinese-English Medical Dictionary.

Appendices to Pediatrics and Medicine, bringing these two books up to date.

Introduction to Local Anaesthesia.

New translation of Rose & Carless' Surgery.

Revision of Stitt's Bacteriology and Parasitology.

Completion of printing Minor Surgery and Epitome of Materia Medica.

Revision of Diseases of the Skin.

Revision of Holt's Care & Feeding of Children.

Revision of book on Surgical Note-taking.

#### Finances.

We started the year with a deficit but practically all of the contributing missions have either given us the whole or part of their grants during the year in gold, and the Rockefeller Foundation has given half of its grant in gold. The situation looked very serious during the first half of the year and we were driven to be extremely economical in expenditures. We were able to increase local receipts by raising the fees of hospital patients and the prices of drugs, etc. This fact, together with the increased receipts over what was budgeted for, has enabled us to close the year with a surplus and not a deficit. This is all very well for the immediate present, but we shall not be on a sure foundation until we can secure an adequate endowment. The economic conditions now existing in the United States and Great Britain do not hold out much hope for any substantial help in the near future from the home end.

#### Future Needs.

I have already mentioned the need for certain heads of departments. From the standpoint only of teaching our students, we need more hospital beds and a larger out-patient department space, but we cannot afford to run a larger hospital on our present income. This question of needed expansion will have to be considered soon. Peace in China and better Schools will increase the number of students applying for admission. So far we have not actually had to turn away students for lack of accommodation, but I can see that, before long, we shall have to increase our dormitory space, teaching force and hospital beds if we are going to care for even the modest number of 150 students which we have set as our goal.

I should like to recommend to the Board of Directors that, in addition to the matter of registration, they seriously take into consideration the following three questions:—

1. The necessity for expansion of the hospital and teaching facilities of the School of Medicine.

This involves the question of whether we are prepared to build and run the new hospital as originally planned.

2. The financial situation and need of a permanent endowment.

We feel very sure that we have the backing of the Rockefeller Foundation in this matter, and we are confidently expecting help from the

alumni. With these two sources of assistance, we should be in a position to approach philanthropists to help us to secure a sufficient endowment.

**3. The advisability of some kind of insurance for teachers.**

I think we should arrange some sort of insurance to provide for them, or for their families, in case of disability or death while serving the institution.

Respectfully submitted,

R. T. SHIELDS.

Dean of the School of Medicine.

June 1931

## Report of the University Hospital

The following Report for the ten months from July 1st, 1930 to May 1st, 1931 is respectfully submitted.

### Structural Changes.

During the past ten months the women's medical ward has been altered to provide a separate ward for children. This has been accomplished by erecting partitions in the former ward thereby forming two wards, the eastern part accommodating 10 beds for adult women patients, the western part 12 beds for children. The children's ward was made of sufficient width by utilizing the veranda for cubicles. These make possible the isolation of newly-admitted children for 72 hours for observation in order to prevent bringing contagious diseases into the main ward. A bath room and an utility room have been arranged in the east tower for the use of women patients and the children's bath and utility room is in the former ward bath room. A milk-formula room equipped with a sterilizer and refrigerator is also provided for the preparation of milk for the children's ward.

The Record Room, formerly inconveniently located, is now in the Administrative Unit of the Hospital and is easily accessible to members of the Staff. It is interesting to see how much more this room is used than formerly and also the progress being made in recording and storing these valuable papers.

The water-still has been moved to a space adjacent to the high pressure boiler. Since this change an ample supply of distilled water is always ready. Formerly it was necessary to buy distilled water from outside.

The general clinical laboratory of the Hospital has been remodelled at small expense so as to accommodate the large number of 5th year students during the next two years.

### Organization.

Whereas last year more stress was laid on the organization of the non-professional departments of the Hospital, the emphasis this year has been laid on the professional departments. With this in view the records

of patients have been made more uniform and the storage and filing of these important documents placed in the hands of a Record Librarian who devotes his time to this work and also helps the Medical Director in clerical work.

The dietary department has been reorganized and uniform diets made out for each type of patient for each day in the week. Through this effort we hope that both doctors and patients will be better satisfied with the type of food being served from the kitchen. In connection with dietary work, this is the first year in which the House Staff has been furnished food by the Hospital. Arrangements have been made with the Student's Association of the Medical School whereby the House Staff is furnished food at \$8.00 per person per month. Also the food for the junior nursing staff is now being prepared and served from the main Hospital kitchen to dining rooms provided in the basement of the Hospital for student and graduate nurses.

For the past few years it has seemed advisable that a handbook of routine Professional Procedures be prepared so that when certain orders are issued the procedure for carrying out these orders will be intelligible to both doctor and nurse. After a year's work this handbook is ready to be placed in the hands of the printers, after which it will be available for the professional members of the Hospital Staff. The "Rules and Regulations for Isolation and Quarantine" have been printed in both Chinese and English and have been in force for several months.

#### Staff Changes.

We were glad to welcome back Dr. Y.F. Li early last fall after a post-graduate course in Diseases of the Ear, Nose and Throat in the P.U.M.C. Dr. I.H. Yoh, a graduate of the West China University School of Dentistry came to the dental department and has shown great ability in his speciality. Dr. H.Y. T'ang, Senior Assistant Resident on the Medical Service, has had a month's study in the P.U.M.C. in order to be better prepared to take the responsibilities of Resident in Medicine. Miss Margaret C. Smith's short stay on the Nursing Staff proved of great value and now as Mrs. L.F. Heimbarger she has been rendering service in the School of Nursing, in the dietary department and at present in the Medical and Surgical Supply Room. Miss Florence Evans entered into active work on the Nursing staff this fall after her language study in Peiping and is

supervising the work in the O. P. D. Miss H. C. Li, after a course in Public Health Nursing in the P.U.M.C., has returned and is rendering a most needed service in house visitation and O.P.D. work.

Miss Ruth Yen, formerly in charge of the Medical and Surgical supplies left for Tientsin March 1st. Her position has been taken over until recently by Miss Townsend, with the assistance of Mrs. L. H. Liu. The coming year is to be a busy one for members of the attending staff because of the shortage of doctors due to furloughs. Dr. Struthers was the first to leave in November. In March Dr. Ingle departed for England. Within the next few months Drs. Smyly and Gault will leave for England and the U.S.A. Dr. T. C. Pa, who for a number of years was in charge of the Eye Department, left unexpectedly to take charge of the Municipal Hospital in Wei-hai-wei; Dr. H. Y. Liu has been assuming the responsibility for this work since his departure.

#### Department of Nursing and Training School for Nurses.

With the enrollment of the new class in September 1930 the school consisted of:

First year . . . . .	7 students
Second " . . . . .	5 "
Third " . . . . .	6 "
Fourth " . . . . .	15 "
Graduates finishing practice . . . . .	12 "
Total	45

During the year 13 graduates have been employed (5 men and 8 women) of these two resigned and one discontinued service because of illness.

Eleven months of Graduate Practice experience have been given to graduate nurses, one of our own alumni and three graduates of other schools.

Diplomas were granted to 11 graduates who have gone out into work as follows:— 8 into hospital positions, 2 into Public Health work and one into School Nursing.

We have made an improvement in health conditions as evidenced by the following: 14 student nurses were ill 199 days, an average of 14.2 days each, three days being the minimum off duty for one nurse and 54 days the maximum. Among six graduates we had 93 days of illness ranging from one day to 26 days with an average of 15 days.

The administration of anaesthetics has maintained its standard and instruction has been given to Medical Students.

The Department of Massage and Electrical Therapy gave a six months course to one student who goes back to his own hospital staff.

The comfort of the graduate nurses has been greatly increased by the use of House 44 as a residence for Chinese graduate women.

By the willing cooperation of the clinical staff we have been able this year to give our students use of the teaching material which passes daily through our out-patient department.

### Service Rendered

The easiest method of showing the service rendered by the Hospital for the past ten months is by the use of statistical tables. This year we are able to compare with last year's work. In order to do this I have taken the official yearly report which, because of the strike, covered a ten months period. Although two of the months are not identical, for purposes of comparison these figures are representative and inasmuch as we have no others we must use them

For 10 months.	1929-30	1930-31
<i>In-patients.</i>		
Patients remaining in Hospital July 1st	94	80
Patients admitted during ten months	1295	1420
Births during the ten months	112	108
Total patients treated during ten months	1505	1608
Patients discharged during the ten months	1327	1398
Deaths during ten months	94	110
Remaining in Hospital	80	100
Total patient-day's care	25349	26361
Normal bed capacity	104	107
Maximum census	106	106
Minimum census	6	55
Average daily census	85	87
Percentage of bed occupancy	81	81
Average patient stay in Hospital (days)	16.9	16.4
Number of deaths within 48 hours	30	46
Number of deaths, institutional	64	64

	1929-30	1930-31
Mortality rate (excluding 48 hr. deaths)	4.4%	4.2%
Autopsies number	44	32
Operations-major-number	271	233
Operations-minor-number	488	535
Total Hospital operating expenses	\$ 83604.08	75841.56
Per diem per capita cost	3.30	2.88
<i>Out-patients.</i>		
Number of visits to O. P. D.	46486	48520
Number of new patients	13154	13193
Number of return visits	33332	35327
Total out-patients operating expense	\$ 5323.03	6776.70
Average cost per visit	0.11	0.14

### Notes

The period 1929-30 extended from July 1st, 1929 to July 1st, 1930 but because of the employees' strike, closing the Hospital Jan. and Feb., this is taken as a representative period of ten months. The period 1930-31 extends from July 1st, 1930 to May 1st, 1931.

### Finances.

A glance at the following summary of finances will show that the Hospital is better off this year than the preceding year. Due to an increase in the ward charges and also to special solicited subscriptions from foreign firms and individual Chinese and foreign friends in Tsinan our income from local sources amounts to about \$4000 more than last year and the expenditures approximately \$6300 less. During the present month many large orders are to be paid for drugs, supplies, etc. part of which will be used during the coming year. In round numbers it may be estimated that the Hospital costs us \$1000 per bed per year.

<i>Income.</i>	1930-31	1929-30
Board of Pay patients	\$ 2446.76	2780.61
Board of Part-pay patients	24510.36	18503.69
Donations (money & supplies)	4723.59	7446.87
Miscellaneous (rents, etc.)	1088.74	137.50
Nursing School Tuition	385.00	250.00
Out-patient receipts	25123.61	25093.00*
Total receipts	\$ 58278.09	54211.67
From Medical School	22183.00	28173.00
Grand Total Income	\$ 80461.06	82384.67

\*A further appropriation of \$6542.42 was made later to cover deficit.



<i>Expenditures.</i>	1930-31	1929-30
Total for Hospital . . . . .	\$ 75841.59	83604.08
Total for Out-patient . . . . .	6776.70	5323.01
Grand Total Expense . . . . .	\$82618.29	88927.09

### Hospital Needs.

**Structural.** After a close study of the needs of the Hospital during the past two years, wherein careful, detailed data have been collected, the greatest immediate necessities of the Hospital in the order of their importance are as follows:—

1. Heating and Sterilizing boilers.
2. Modern laundry equipment.
3. Refrigeration plant.
4. More surgical beds on the men's side.
5. A larger Out-patient department.
6. Semi-private rooms for patients of moderate means.
7. More adequate space for the Nursing Training School.

The first three items call for no further comment; the need for them is known to anyone familiar with the Hospital. In reference to No. 4 it has been found that during practically the whole twelve months there is a large demand for surgical beds on the men's side of the Hospital, whereas the other wards have adequate accommodations. Therefore it is suggested that another story be added to the western side of the present Hospital to make accommodation for about 20 more beds for these cases.

In order to make the building symmetrical another floor can be added to the eastern side of the Hospital and provision made for both private patients and patients of moderate means. Thereby need No. 6 will be taken care of.

The present out-patient building was built 18 years ago when only three departments were to be accommodated, i. e. Surgery, Medicine, and Eye. Now with ten departments requiring accommodation, although the building was remodelled a few years ago as a temporary expedient, this was only a makeshift and the quarters are extremely crowded and unsanitary especially for waiting patients. A new out-patient building should be built on the land purchased for the new Hospital to accommodate not only the ten departments but with sufficient room for the registration of the patients and in which waiting patients can be comfortably seated.

The School of Nursing needs especially a diet kitchen in which student nurses may be trained to prepare special diets so necessary for the modern treatment of diseases.

An estimate of the cost for the above changes and construction has been placed at approximately 160,000 dollars Chinese currency.

It may seem strange that the proposed new Hospital scheme appears to be shelved. The study of the situation during the past two years, outside of political conditions, has convinced me that for the next five or six years the building of a new hospital is impracticable. True, we can use very advantageously more beds for teaching purposes and should have these, but already with a hospital of 109 beds we are short of funds and personnel and must worry along month by month to make ends meet and never be sure whether we are to have enough trained doctors and nurses to run the Hospital during the coming year. With too few nurses, and, from the experience of the past two years, not many girls available for nursing training, how will it be possible to operate a plant successfully which is one and one-half times as large? If it takes \$1000 a bed to run the present plant it will take approximately \$250,000 per year to run one of 250 beds. Therefore I propose that we request the use of part of the money contributed by the Women's Societies in the U. S. A. for the New Hospital Building for use in immediate necessary construction and improvement of our existing plants.

**Personnel.** Probably the most needed person in the Hospital at present is a Dietitian, preferably one who has had experience with Chinese foods. Members of the Nursing Staff have been doing this work, but inasmuch as they have many other regular duties they have not been able to give constant time and thought to this department.

There is a great need also for young doctors who will take positions of responsibility on the Hospital Staff, looking forward to the time when the older men will retire and their place be filled. Not only are these men needed in every medical and surgical department but one is needed very badly in administrative work. It is hoped that such men will be found but with the competition from outside institutions in regard to salaries offered, I am afraid there will be many lean years ahead.



In the Nursing Department there is a constant demand for graduate nurses who will be willing to assume the full responsibilities of either supervisors of wards or head nurses in wards and other departments, i. e. operating room, surgical supplies, etc.

In closing may I say that the past year of peace has shown us what a great service our Hospital can render not only to the immediate community but to the surrounding country. We need not limit our service outlook even there because through the Hospital young men and women are being sent out to almost every province in China to render excellent Christian service.

Respectfully submitted,  
L. F. HEIMBURGER  
Medical Director.

June 1931.

## Report of the Tsinan Leper Hospital

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The past year has been a very interesting one in the Leper Hospital. There has been an excellent esprit de corps both among the staff and patients. Dr. Yu Wen-Yuan has done a very good piece of work both in the medical treatment of the patients and also in coaching and advising them in the athletic games which are part of the physical therapy. Mr. Sun Chi-Hsiang is a most sympathetic and energetic manager. He has kept the Hospital in excellent repair and the place is noted for its cleanliness.

### Visitors.

During the past year we have had several visitors, among them Dr. H. W. Wade, a well known leprologist from the Philippine Islands, who is now making a trip around the world as Director of the Leonard Wood Memorial Foundation for the study of leprosy. The Tsinan Leper Hospital was recommended to him in the Philippines as "the only institution in China doing scientific work on leprosy." Dr. Wade seemed very much interested in the work here and gave us many excellent suggestions for improvement in our treatment, gleaned from his observations both in the Phillipines and in his travels through Japan and Korea.

### Patients and Treatment

During the past year 20 patients have been admitted to the hospital. All of these are in the early stages of the disease. Among the 12 discharged, 7 have been paroled as clinically and bacteriologically free, 4 discharged as improved, and one remained unimproved.

In educational lines we have an unique opportunity. Regular classes are held in reading and writing, so when a patient leaves the Hospital he is mentally better off than when he came. Practically all can read some characters and write, the majority can read the newspaper and the Bible. They are given a lot of memorizing to do, so leave the hospital with many important truths in their minds regarding religion, health, and the world at large.

We believe that the psychological treatment of leprosy is as great a factor in its cure as the medicinal and dietary. Therefore we use the lecture hall for talks, lectures, and lantern shows to help keep the patient's mind happy and in a healthy attitude. At Christmas time and New Year, special social parties are arranged for them and financed from special funds contributed for this purpose by both the Chinese Mission to Lepers and the Mission to Lepers, London.

During the past year, 16 have been accepted into the Christian Church. All are very anxious to learn about Christianity and study very carefully. At present 37 of the 50 patients are baptized Christians.

Due to the favourable rate of exchange, financially we have been better off this year than formerly. The surplus money has been used on necessary repairs and in raising the salaries and wages of the staff. One more bed has been added to the charity beds making 41 in all. There are 9 patients in the Hospital paying \$10 per month towards their expenses. The total number of in-patients is therefore 50. There are also 24 out-patients registered in the Hospital for weekly injections, but these come very irregularly for treatment.

### Research Work

Several members of the Medical School staff are doing some very interesting research work in leprosy and we hope this type of work will increase and special funds be available for it. There are very few places in the world where the opportunity for the study of leprosy is so great and where the necessary equipment and persons are collected together. The study of the action of native drugs is especially interesting to us and with the necessary funds we could contribute something to the world's knowledge of new medicines.

### Service Rendered.

*June 1st, 1930 to June 1st, 1931.*

Patients remaining in the Hospital May 31st, 1930. . . . .	42
Patients admitted during the year . . . . .	20
Patients treated during the year . . . . .	62
Patients discharged during the year . . . . .	12
Patients remaining in Hospital May 31st, 1931. . . . .	50

Patients paroled as cured . . . . .	7
Patients discharged improved . . . . .	5
Total discharged . . . . .	12
Hospital patients under treatment May 31st, 1931. . . . .	50
Out-patients under treatment May 31st, 1931 . . . . .	24*
Total patients under treatment May 31st, 1931 . . . . .	74

Note: \*These patients are irregular in their visits.

### Financial Statement.

*Jan. 1st, 1930 to Jan. 1st, 1931.*

Total receipts . . . . .	\$7213.20
Total expenses . . . . .	5650.65
Balance carried to 1931. . . . .	1562.65

Respectfully submitted,  
L. F. HEIMBURGER, M. D.  
Medical Director.

June 1931.

## Report of the Women's Unit

The year which has just closed has been one of unexpected success and joy following the tragic fighting between North and South in the summer of 1930.

### Last Year's Graduates.

Our women students who graduated in June 1930 have all held responsible positions this year. Dr. Ch'en Shu-Wo is an assistant resident in our own hospital. She is doing fine work with Dr. A. V. Scott. Dr. Ch'en Jui-Tzu is doing advanced work in P. U. M. C. and is coming back to us this fall as Senior Assistant Resident in the hospital. Dr. Chin Wen-Chieh is working in the Central Hospital at Nanking. Miss Wu Yü-Lan is with the American Board Mission at Taiku, Shansi. Her work is mainly that of visiting the women church members. Miss Yang Jui-Ling is with the Society of Friends at Shou Chou, Anhui. Miss Wang Li-Tien is in the girls school at Shou Chou, Anhui, and is going to visit her Alma Mater and join three of our girl students in the Goodwill Tour to Japan. Miss Yang Chu-I is in the girls school at Fenchou, Shansi, and is expecting to sail for America for advanced study.

### Our Women Students.

There are three women students to graduate in June, one from the School of Medicine and two from the School of Arts. All of them have positions awaiting them. The School of Theology has been separated from the University, but five of the girls who are studying Theology are housed in Leonard Hall. Many letters are on file asking for women graduates from all three schools. Unfortunately we cannot meet these demands. There is no doubt a great need for increasing the numbers of our women students if we are to supply such demands. We hope to see the school registered and this will no doubt make possible the large enrolment we desire. Of actual University students there were thirty-five in residence during the Autumn semester, and forty during the spring, divided among the schools as follows:—

— 29 —

	Autumn 1930	Spring 1931
School of Medicine . . . .	14	14
School of Science . . . .	8	10
School of Arts . . . .	10	10
Special Students . . . .	3	6
TOTALS	35	40

### Religious and Social Life.

All the women students in the University with the exception of a very few are members of Christian Churches. A Bible-class on Sunday under the leadership of Mr. Lautenschlager is open to both men and women. Different speakers are asked to give addresses on religious or other subjects. The membership of the Y. W. C. A. is still small but the spirit of the little group is sound. This is the only religious organization among the girls. A half-hour meeting was held daily by the Y. W. C. A. The social activities include clubs, class meeting, and a literary society. The International Friendship Club was newly organised last fall. It is open to both teachers and students. A series of lectures has been delivered by teachers of the University, the local Commissioner of Education, the Japanese and German Consuls and other prominent men from out of town. Some members of the International Friendship Club are planning to visit Japan this summer, expecting to see the work of Dr. Kagawa. They also hope to take a short course in a Japanese University. Three of our girls have been elected to join this group. We all hope this visit will promote understanding and goodwill between the students of the two countries.

### Future Financial Needs.

As soon as the school is registered one most immediate need from the financial standpoint will be funds with which to build a new dormitory. The present dormitory accommodates only fifty or fifty-five students. If we should have the school registered this year the dormitory will no doubt be filled to its capacity, so a special fund for a new dormitory is very much desired for the coming year.

It has been such joy to have a share in this great enterprise. The most joyful thing is to see our women students preparing themselves for a great future. There are many women in China whose unfortunate lives are waiting for trained Christian leadership. We expect the women of Cheeloo to be prepared to meet this need.

Respectfully submitted  
LAN HUA LIU YUI  
Dean of Women

June 1931

## Report of the Registrar's Office

The past year will be remembered as one during which the enrolment of students in the Colleges of Arts and Science fell to a figure lower than that for many years past. It should however also be remembered for the recovery and reopening of those Colleges, despite considerable handicaps. The enrolment for the Arts and Science Colleges was 55 and 74 respectively in the autumn term, the number of freshmen being only 13 and 35 respectively. For this several reasons can be given, namely, rumoured doubts as to the possibility of these Colleges being able to reopen, difficulties of communication due to military operations last summer, uncertainty as to prolonged maintenance of peace in Tsinan and district, the late publication of the new Entrance Regulations, and the abolition, under these regulations, of the system of admitting students recommended by accredited schools without examination. It should be noticed that, despite the fewness of applicants for admission, the Entrance Board of these Colleges did not accept an exceptionally high proportion of the candidates. This is made clear in the table below:—

	Arts	Science
Candidates taking the Entrance Exam.		
Accepted	7	31
Failed and therefore refused	4	14

Another indication that standards have not been allowed to drop despite a natural desire to have a larger number of students is that, of the 22 students in the first year of the Pre-medical Course, 4 were dropped for poor work at the end of the autumn term.

The Medical College enrolment shows an increase of 3 on last year, the entering class numbering 19 students, all but one of whom had been studying the Pre-medical Course offered by the Science College.

In the spring term of this year the enrolment of the Medical College remained unchanged, that of the Arts College also unchanged, the number of new students being equal to that of graduates in January, while the Science College showed an increase of one. The discrepancy between the figures of the Nursing School for the two terms is explained by the fact that the 11 in the fifth year in the autumn were graduates who have since obtained positions. The enrolment of the Pharmacy School and of the Laboratory Technicians Class have remained the same throughout the year, being 12 and 4 respectively.

The total enrolment of the three Colleges in the autumn was 220, of whom 197 (89.5%) are professing Christians. Including the Pharmacy and Nursing Schools and Technicians Class the total number was 282, of whom 255 (91%) are Christians.

**Graduates.** In January of this year four students graduated from the Arts College and one from the Science College. The following table indicates the number expected to graduate this summer (June):—

	Arts	Science	Medicine	Pharmacy	Nursing
Men	4	4	7	12	—
Women	—	2	1	—	11
Totals	4	6	8	12	11

**New Catalogues.** This year has seen the issue of a new Medical College Catalogue in English and one in Chinese is now in preparation: also of a short Prospectus of the Pharmacy School, and of a new Chinese Catalogue of the Colleges of Arts and Science. An outline English Catalogue of the Arts and Science Colleges is now being printed.

**Regulations.** The Pharmacy School regulations require that applicants for admission to that School should sit the ordinary entrance examination of the Science College (which remains the same as last year) with the exception that graduates of recognised nursing schools may be exempted from examination in certain subjects.

The new Arts and Science Colleges regulations differ from previous ones mainly in the larger number (138) of credits required for graduation, the General Requirements consisting in the main of fundamental first year courses, one for each College, and the increased requirement for Major Subjects, this being, in some cases, as much as double the past requirements. The new Catalogue contains full details of the Courses offered by each Department, these being very greatly extended in most cases, and details of the four-year course of study required of students in each Department.

**The Future.** There are 25 students who will complete the pre-medical Course in the Science College this June, and it appears likely that 3 students from other universities will also sit the Entrance Examination of the Medical College. If a good proportion of these succeed in the entrance examination, the Medical College enrolment in the autumn will probably be over 100.

The Pharmacy School hopes to admit 16 students by examination this summer.

The outlook for the Arts and Science Colleges is much brighter than a year ago. Last year by the last week in May something under 200 sets of application blanks had been asked for, while this year the figure is over 600. In contrast to 1930 an encouraging feature of the situation is the large number of candidates for the Entrance Examination from Mission Schools outside Shantung. In addition to the nine regular examination centres outside Shantung, there will be others, this July, arranged for the special convenience of middle schools providing a suitable number of candidates.



Form 4. Source of Student Body: By Provinces (Present home address)

Province	ARTS		SCIENCE		MEDICINE		TOTALS		TOTAL
	M	W	M	W	M	W	M	W	
Anhwei	—	1	5	—	2	1	7	2	9
Chekiang	—	—	—	—	3	—	3	—	3
Fukien	6	4	4	1	5	2	15	7	22
Honan	—	—	—	1	5	1	5	2	7
Hopei	6	3	11	2	9	1	26	6	32
Hunan	—	—	—	—	3	—	3	—	3
Hupei	—	1	4	—	—	3	4	4	8
Kansu	—	—	—	—	—	—	—	—	—
Kiangsi	1	1	1	1	—	—	2	2	4
Kiangsu	2	—	3	1	5	1	10	2	12
Kwangsi	—	—	—	—	—	—	—	—	—
Kwangtung	4	1	6	—	4	—	14	1	15
Kweichow	—	—	—	—	—	—	—	—	—
Shansi	3	1	2	1	12	—	17	2	19
Shantung	17	3	25	2	26	3	68	8	76
Shensi	—	—	—	—	1	—	1	—	1
Szechuan	—	—	—	1	—	—	—	1	1
Yunnan	—	—	—	—	—	—	—	—	—
3 Eastern Provs.	1	—	2	1	2	1	5	2	7
Suiyuan	—	—	—	—	—	1	—	1	1
Overseas	—	—	—	—	—	—	—	—	—
TOTALS	40	15	63	11	77	14	180	40	220
TOTAL	55	74	91	220	220	220	220	220	220

### Preliminary Report of the Treasurer

The wide fluctuations in silver exchange during the present financial year have made it practically impossible to keep to the budget made out eighteen months ago. The cost, in local currency, of all apparatus, books, and supplies, imported from America or Europe, has greatly increased, in many cases more than doubled, while local receipts have shown no corresponding increase. Thanks to those Missions and contributing agencies which have adopted the liberal policy of making all or part of their contributions in Gold or Sterling, the University has been able to more than meet the increased operation costs and will be able to close the financial year with a gratifying balance.

The American Presbyterian Mission has paid its grant in Mexican but has given a bonus of \$12,350.

The Society for the Propagation of the Gospel is making its grant in sterling.

The London Mission has undertaken to pay its grant in sterling.

The British Section of the Board of Governors has given us the option of receiving its grant in sterling or in Mexican at an increased figure over the sum originally budgeted.

The Wesleyans are paying their annual grant and the substitute salary which they furnish on a sterling basis.

The Canadian United Church has continued its usual practice of paying in gold.

The Women's Foreign Missionary Society of the Methodist Church has continued to pay in Mexican but with an increase of one-sixth effective January 1st 1931.

Thus far the English Baptist Mission has been unable to grant any increase, while the A. P. M. S. is actually decreasing its grant because of a cut in the appropriations from America.

The Rockefeller Foundation is paying the third and fourth quarters of its appropriation in gold, which makes a very substantial increase in the income of the Medical School.

## Report of the Rural Institute

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To the Board of Directors:—

The work of the Rural Institute as carried on in the Village Centre at Lungshan has been going along in a very gratifying way and we cannot but commend the untiring efforts of Mr. Wang Kuan-San who has been in charge on the ground.

### Religious Services

Religious services are held each Sunday in the small room which has to be utilized as a chapel-dispensary and, while a year ago there were no attendants except children who were in our school from the village of Lungshan itself, this year there seems to be an awakening of interest and several adults are dropping in. Services are held also in the adjacent villages where there are Christians and leadership is portioned out to various members of the staff and those Christians who are able to take charge.

### Dispensary

The work in the dispensary was badly crippled by the necessity of a change in nurses. It seemed best for Mrs. Yu, who was in charge, to lay the work aside since the care of a growing family made increasingly heavy inroads on her time. It was very difficult to find anyone to take her place and for over three months we were without any nurse at all. Within the last few weeks we have been fortunate enough to be able to fill Mrs. Yu's place and this side of the work is beginning to pick up after having been closed for such a long time.

Some more constructive work along lines of Rural Health should be going on from this place as a center but this is practically impossible without the help of a physician trained to this kind of work. Survey and research into frequency and type of disease, and rural morbidity should produce most helpful and suggestive results in planning for the medical requirements of a village or group of villages, and would serve to indicate what is necessary in order to serve such a community adequately, as well as what is at present possible.

### Schools

The Primary School for boys and girls keeps going in spite of our suggestion, to which parents objected, that the boys side be closed down and the boys be allowed to go to the newly organized and government-established village school. Nevertheless I think it will be well to close the boys side and to concentrate on the work for the girls since there is no provision made for them in the village. We have now about sixty pupils about evenly divided between boys and girls.

### Recreation

The Recreation Centre, with basket-ball, croquet, volley ball, &c., has been constantly used and seems to be much appreciated. An athletic meet was held for the various village schools this Spring and at the request of the authorities and teachers Mr. Wang was asked to take general charge and set up the show, which went off very successfully. This has given us yet another contact with the group life of the village.

Seven classes for illiterates were held through the winter in as many villages, and at Christmas time the members of these classes all came to Lungshan for a celebration. They marched around the village with banners flying, singing some of the songs which they had learned and then gathered at the Recreation Centre for speeches, games and a couple of short original plays put on by the different classes.

### Demonstration Farm

The Farm which is run in close cooperation with the rest of the work is, as you know, financed by the International Famine Relief Commission. In order to be able to give closer supervision to seed selection on the land which we are using on the Campus Mr. Li, who is in charge, has moved from Lungshan and is living here. Planting on the Lungshan farm continues as usual. The more detailed crop improvement work is to be done here on the Campus where we can have more adequate control. We are in close cooperation with the College of Agriculture at Nanking and shall receive much help from them. Through the Provincial Bureau of Agriculture we are in touch with the Social Service Bureau through the province and are met with a most friendly spirit of cooperation. Our opportunities for help are restricted only by our limited personnel and



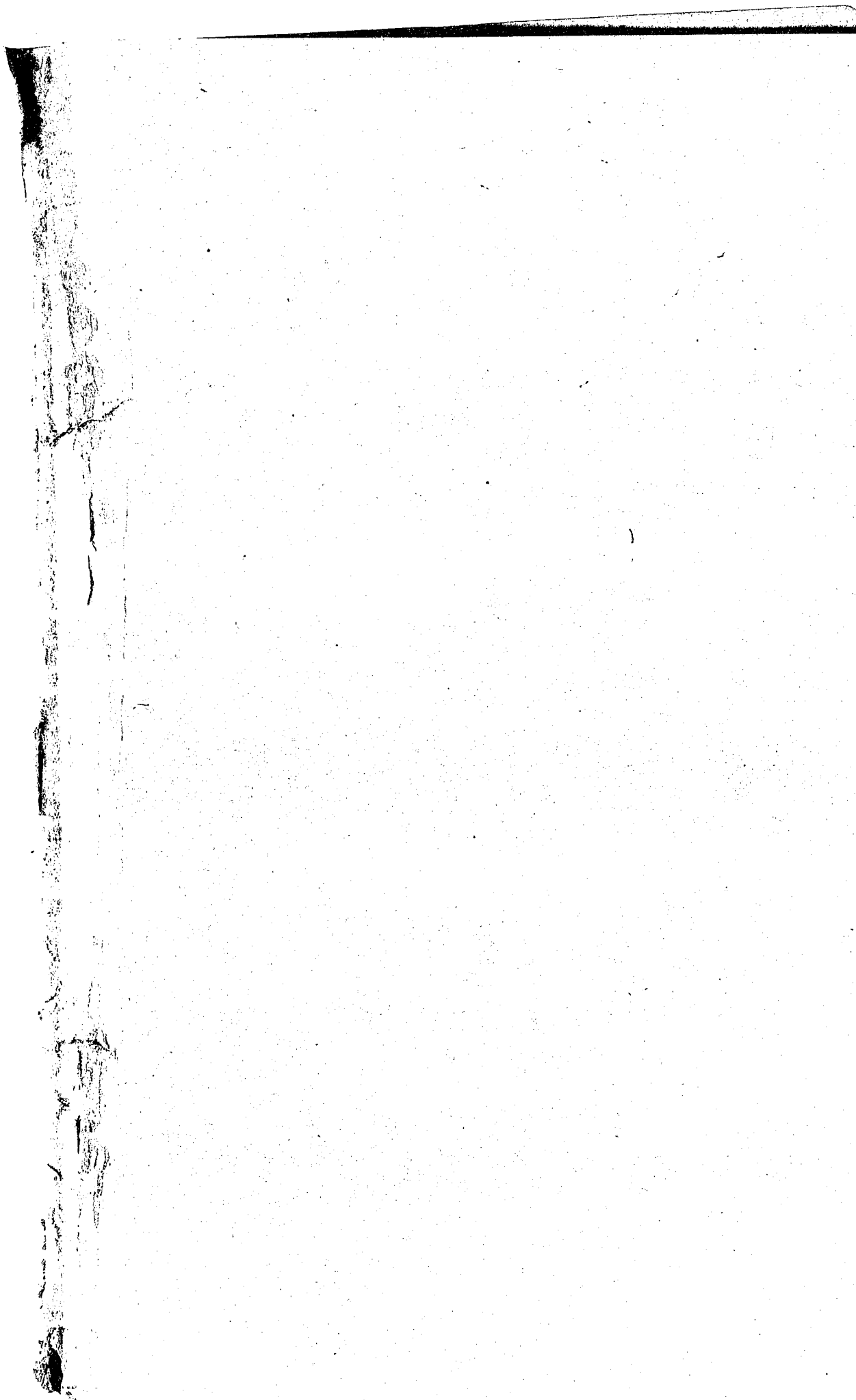
finances with which we can accomplish just so much and no more. Such seed as we have had available has been distributed but we could have given out much more had we had it in hand. Considerable quantities of Copper Carbonate, a preventative of smut in kaoliang and millet, have been distributed and we hope to increase this effort this coming year. An Agricultural Fair on a small scale was held in Lungshan last fall and probably ten thousand people came in to see what there was on exhibition. We have about five thousand head wheat selections for fall planting, and have experiments going on in cotton, millet and kaoliang, beside a considerable planting of corn which is merely waiting for a rain when it can be drilled in.

Respectfully submitted.  
CHAS. A. STANLEY  
Director.

June 1931

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REPORT of the SCHOOL OF MEDICINE  
of CHEELOO UNIVERSITY  
(SHANTUNG CHRISTIAN UNIVERSITY)

1931

University Bulletins No. 84

Tsinan, Shantung, China

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REPORT  
OF THE  
SCHOOL OF MEDICINE  
OF  
CHEELOO UNIVERSITY  
(SHANTUNG CHRISTIAN UNIVERSITY)

---

FOR THE YEAR ENDING JUNE 30th, 1931

---

TSINAN, SHANTUNG, CHINA.



ON THE ROAD TO HSING LUNG SHAN

## SCHOOL OF MEDICINE FACULTY AND INSTRUCTORS

- RANDOLPH TUCKER SHIELDS, B.A. (Washington & Lee), M. D., (Med. Coll. Virginia). Dean of the School of Medicine. Professor of Histology and Embryology.
- CHANG CHI-HSIEN, Graduate (S. C. U.) Instructor in Bacteriology.
- CHANG HUI-CHUAN, M. B. (S. C. U.) Associate in Histology and Embryology.
- †CHEN YEN-PING, M. B. (S. C. U.) Instructor in Physiology.
- CHU CHING-SHEN, Assistant Instructor in Pharmacy & Materia Medica.
- †PHILIP SAFFERY EVANS, Jr., B. A. (Yale), M. D. (Johns Hopkins). Professor of Physiology.
- \*ARABELLA SANGSTER GAULT, B. A., M. D. (Johns Hopkins), Associate in Medicine.
- MARY P. GELL, M. B. (Sheffield), Associate in Obstetrics & Gynecology.
- LEROY FRANCIS HEIMBURGER, M. D. (Univ. of St. Louis). Associate Professor of Dermatology. Medical Director of the University Hospital. Medical Director of the Leper Hospital.
- HOU PAO-CHANG, M. D. (P.U.M.C.) Graduate (S.C.U.) Associate Professor of Pathology.
- \*LAURENCE MANSFIELD INGLE, B. A., M.B., Ch.B. (Cantab.), F.R.C.S. (Eng.) Assistant Professor of Surgery.
- PETER CHING KIANG, B. A. (St. John's), M. D. (Univ. of Penn.) Director of Studies. Professor of Bio-chemistry.
- KUNG LI P'ING, M.B. (S.C.U.) Assistant Instructor in Pathology.
- LANG KUO-CHEN, M.B. (S.C.U.) Associate in Otolaryngology.
- †LI SHOU-CH'ENG, M.B. (S.C.U.) Instructor in Pathology.
- LI TSAN-WEN, B.S. (Soochow). Associate in Bio-chemistry.
- LIN LIEN CH'ING, M.B. (S.C.U.) Instructor & Asst. Resident in Medicine.

PERCY LONSDALE McALL, B.A. (Cantab.), M.B., Ch. B. (Edin.) Head of Translation Department and Lecturer.

WILLIAM McCLURE, B.A., M.D., C.M. (McGill). Professor of Internal Medicine.

JULIA MORGAN, M.A. (Dickinson Coll.) M.D. (Univ. of Penn). Associate Professor of Internal Medicine.

FRANCIS HENRY MOSSE, M.A. (Oxon.), M.R.C.P. (Lond.). Associate Professor of Internal Medicine.

WILLIAM PERCY PAILING, B.D., M.P.S., Ph. C. (Lond.). Associate Professor of Materia Medica & Pharmacy. Chaplain of the University Hospital.

ESTHER PEH, M. D. (Peking Women's Med. College). Associate in Obstetrics & Gynecology.

PHILIP B. PRICE, B. A. (Davidson), M. D. (Johns Hopkins). Assistant Professor of Surgery.

ANNIE V. SCOTT, B.S. (Univ. of N. Carolina), M.D. (Women's Med. Coll. of Penn.) Associate Professor of Pediatrics.

\*H. JOCELYN SMYLY, M.A. M.D., Ch. B., F.R.C.S. (Ireland). Associate Professor of Medicine.

THORNTON STEARNS, B.A. (Davidson), M.D. (Johns Hopkins), F.A.C.S., Professor of Surgery.

†ERNEST B. STRUTHERS, B.A., M.B. (Toronto), D.T.M.H. (Eng.) Associate Professor of Internal Medicine. University Health Officer.

SUSAN SHARPE WADDELL, B. A. (Wilson College), M. D. (Univ. of Pittsburg). Associate Professor of Physiology & Pharmacology.

WANG HUI-WEN. M.B. (S.C.U.). Associate Professor of Anatomy.

YU CHIA-CHUN. M.B. (S.C.U.). Associate in Dermatology.

YU FU-HSIN, Assistant Clinical Pathologist.

YEN PIN, Assistant Clinical Pathologist.

†On furlough 1930-31

\*On furlough 1931-32

‡Post-graduate Study P. U. M. C.

## HOSPITAL STAFF

The attending professional and administrative staff of the hospital consists of members of the clinical departments of the School of Medicine.

### House Staff

#### Medicine

Asst. Residents . . . T'ANG HSI YAO, M.B. (S.C.U.)  
CHANG HAI HAN, M.B. (S.C.U.)  
YEH YEN CH'ING, M.B. (S.C.U.)

#### Pediatrics

Asst. Residents . . . CH'EN SHU WO, M.B. (S.C.U.)  
LI P'EI KUANG, M.B. (S.C.U.)

#### Dermatology

Asst. Resident . . . YU WEN YUAN, M.B. (S.C.U.)

#### Surgery

Asst. Residents . . . SUN SHANG CHUNG, M.B. (S.C.U.)  
CHAO CHANG LIN, M.B. (S.C.U.)  
CHOU CHENG HSUN, M.B. (S.C.U.)

#### Eye

Clin. Assistant . . . LIU HUA YANG, Grad. (S.C.U.)

#### Ear, Nose & Throat

Clin. Assistant . . . LI YUAN FU, Grad. (S.C.U.)

#### Dentistry

Asst. Resident . . . YOH I HSUIN, D.D.S. (West China Univ.)

### Internes

CHANG YIN HSIEN  
CHIN PAO CHEN  
HSU HSIEN MING  
KAO CH'ENG HSIEN

KAO HSUEN CH'IN  
LIU HSIAO LIANG  
WANG HUI CH'UN  
YEH LU MING

### Nursing Staff

FRANCES R. WILSON, B.S., R.N. (Wesley Hospital, Chicago). Superintendent Nurses Training School.

CORAL M. BRODIE, (Toronto General Hospital).

CHANG KWEI WEN, N.A.C. (S.C.U. Hospital).

CHANG MING TUNG, N.A.C. (S.C.U. Hospital).

CH' I LIN (Taylor Memorial Hospital, Paotingfu)

FLORENCE E. EVANS, B.A., R.N. (Los Angeles General Hospital).  
CORA HOFFMAN, R.N. (Carlisle Hospital Training School for Nurses).  
HSU TSO HUA, N.A.C. (S.C.U. Hospital). Public Health Nurse.  
KAO JUI CHANG, N.A.C. (S.C.U. Hospital).  
LI HSING CH'UN N. A. C. (S. C. U. Hospital). Public Health Nurse.  
LI YU CHENG, N. A. C. (Williams Porter Hospital, Tehchow).  
LIU MEI CHIH, N. A. C. (Sleeper Davis Hospital, Peking).  
DOROTHEA C. B. READE (St. Thomas' Hospital, London).  
T'ANG KWEI LIEN, N. A. C. (S. C. U. Hospital).  
MOLLIE E. TOWNSEND, R. N. (Bellevue Training School for Nurses,  
New York).  
WANG CHEN TE (S. C. U. Hospital).  
MRS. P. B. PRICE B. A., R. N., (Johns Hopkins Hospital). Part Time.  
MRS. L. F. HEIMBURGER, B.A., R.N., (Presbyterian Hospital, New York).  
Part Time.

#### Massage Department

GLADYS V. L. NUNN (E. Suffolk Hospital, Ipswich; London School of  
Massage, Westminster Hospital, Reg. Mem. C. S. M. M. G.)  
LIU LIEN HSI, N. A. C. (S. C. U. Hospital).

#### Pharmacy Department

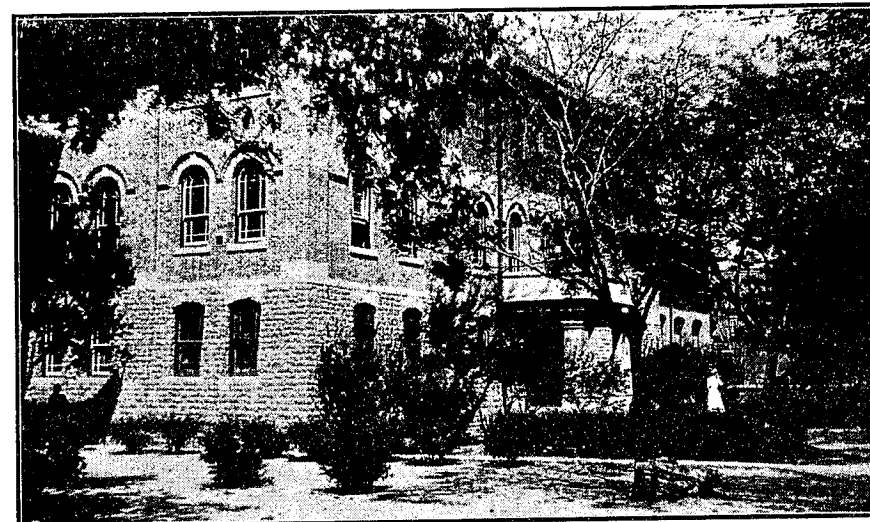
LIU CHEN FA, Pharmacist.  
LIU KUO HUA, Assistant Pharmacist.  
KU YUN SHAN, " "

#### Evangelists

PASTOR NIEH TUNG-AN  
PASTOR HSU CHIA CHENG  
MRS. NIEH

#### ADMINISTRATIVE OFFICES

JESSE B. WOLFE, Business Manager, Medical School & Hospital.  
YEN CHAO, Assistant Business Manager.  
CHANG HUNG CHI, Dietary Steward.  
LIU HUNG YU, Office Assistant.  
WANG CHIA SHAN, Store-keeper.  
FENG CHI SHENG, Admissions Officer.  
CHANG YU SHU, Record Librarian.  
CHANG HENG TEH, O. P. D. Registrar.  
LI HSI KUNG, Asst. O. P. D. Registrar.  
TUNG KUANG HUO, O. P. D. Cashier.  
MAIDA MORTON SMITH, Secretary to the Dean, School of Medicine.



SCHOOL OF MEDICINE  
MAIN BLOCK

## REPORT OF THE DEAN FOR THE YEAR 1930-1931.

**STUDENT ENROLMENT AND ACTIVITIES.** For the first time in several years we can report the work of a school year which has not been disturbed by any internal or external incidents. We admitted a new class of 19 in September 1930, making a total enrolment of 93 students, of whom 14 were women. In addition to these regular medical students, there were 12 Pharmacy students, taking their second and final year, and 2 Technician students who finished a 12 months course and 2 a shorter course. There are now 6 students taking special laboratory work.

We are very much pleased with the results of the course in Pharmacy which is training men to fill a great need. The previous graduates are nearly all now working in mission hospitals and most of the members of the present class expect to do the same. We plan to admit a new class in the autumn, some of whom will be women.

The Technician students are nearly all sent here by mission hospitals and will return to the hospitals from which they came.

One student from a mission hospital has taken a six months course in Massage and Electro-therapeutics during the year.

During the year several Bible classes and religious discussion groups were carried on by members of the faculty with students. Some of the students have assisted in the Chinese Sunday-school carried on by the South Suburb Church and others have helped in conducting ward services in the hospital.

**STAFF.** Dr. Wang Hui Wen returned in September from a year of special study in Anatomy at the Peking Union Medical College.

Dr. Yoh I Hsuin, a graduate of the School of Dentistry of West China Union University, arrived, with his wife, in July 1930 and has rendered good service to the hospital patients and the community.

Dr. Evans is still on furlough and it is uncertain when he will return.

Dr. Struthers left in November for furlough and Dr. Ingle in March. Drs. Smyly and Gault left in June.

— 7 —

Dr. Ch'en Yen Ping and Dr. Li Shou Ch'eng are in Peiping, doing special work in Physiology and in Bacteriology at the Peking Union Medical College.

The school sustained a great loss in the resignation last autumn of Dr. Pa Ta Chih who had been in charge of the Eye Department for nine years.

For the coming year we expect to have a total teaching staff of 35, including those on furlough, 17 foreigners and 18 Chinese. The additions to the staff are chiefly younger teachers in junior positions.

In January we welcomed Miss Florence E. Evans to the Nursing Staff of the Hospital, after a year spent at the Language School in Peiping.

**PUBLIC HEALTH WORK.** A group of volunteer students, led by certain members of the staff and assisted by a nurse, has begun some public health work and rural education in two of the near-by villages.

The Pediatrics Department has undertaken as part of its work the health supervision of the Ch'ung Te School. The work has been done by fourth year students under the supervision of the staff. This department also uses part of the time of one of the Public Health nurses for visiting the homes of patients and is thus able to extend the value of the out-patient work.

Several members of the staff have visited the English Baptist Mission outstation at Ta Hwai Shu, a very poor district on the outskirts of Tsinan, and have held clinics there twice a week.

An obstetric and gynecological clinic has been started at the Y.W.C.A. by the Department of Obstetrics, which has resulted in some outcalls, as well as in drawing patients to the hospital.

These small efforts are what we hope will be the beginning of better things along the line of extension work in country and city.

**GRADUATES.** A revised list of the 246 living graduates of the School of Medicine, with the 57 graduates of the former Peking Women's Union Medical College, has been printed. A summary of the location of graduates in mission hospitals throughout China is given below. This, as far as we have been able to ascertain, is correct up to date, but it is very difficult to keep such lists entirely accurate.

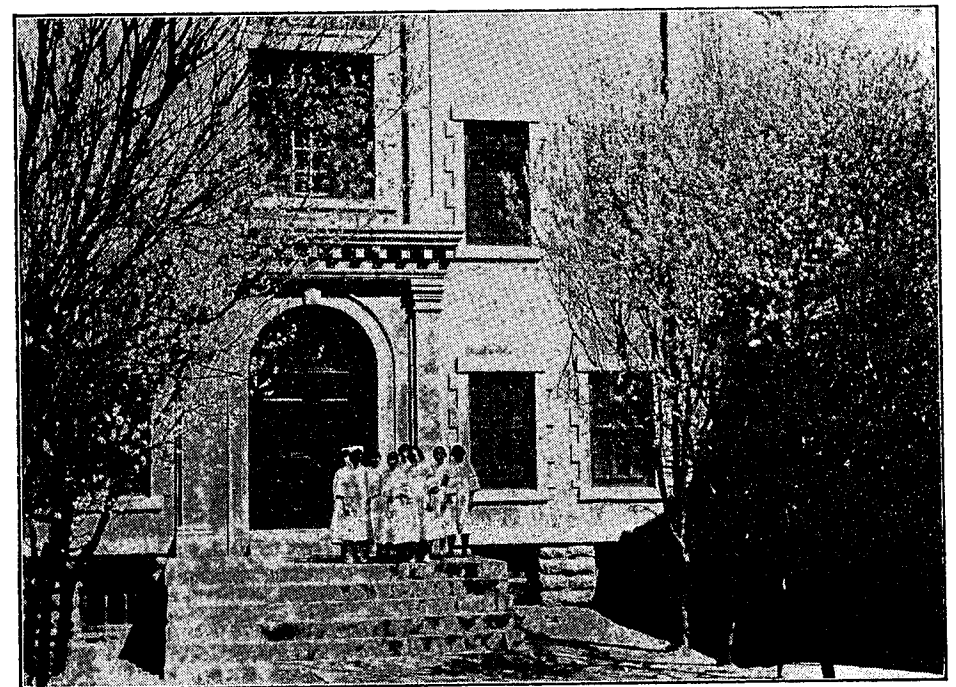


The medical alumni have shown an increasing interest in the School. They took the occasion of the celebration of Dr. McClure's 75th birthday to hold a reunion here, at which time they formed a Medical Alumni Association.

**DISTRIBUTION OF CHEELOO MEDICAL GRADUATES  
IN MISSION HOSPITALS**

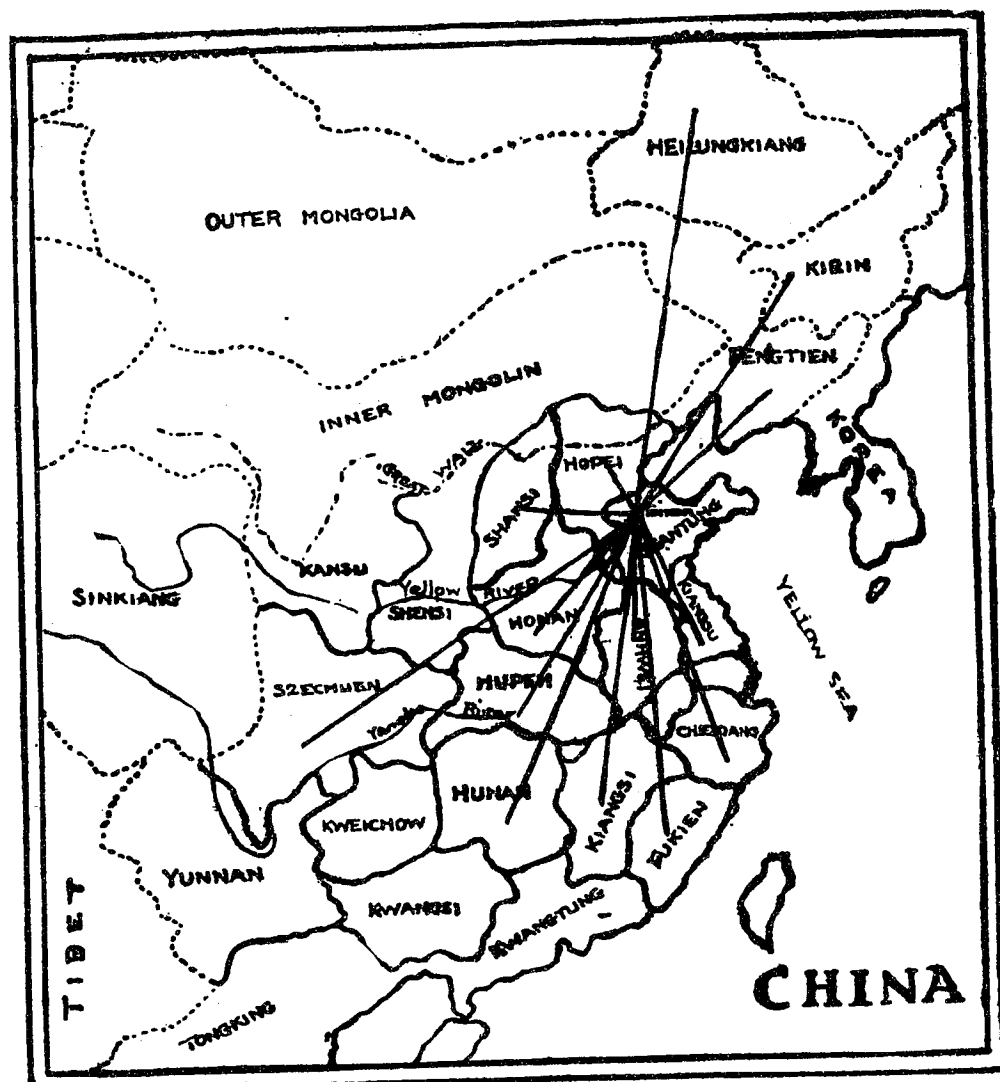
<i>Mission</i>	<i>No. of Hospitals</i>	<i>Province</i>	<i>No. of Graduates</i>
American Adventist	1	Anhwei	1
American Board	4	Shansi } Hopei } Shantung }	9
American Baptist (N)	2	Chekiang	2
American Baptist (S)	2	Shantung	2
American Church	1	Anhwei	2
Brethren	3	Shansi	3
Canadian Church	1	Honan	1
English Baptist	2	Shantung	3
Irish Presbyterian	2	Fengtien	2
London	4	Hopei } Hupeh } Kiangsu }	9
Mennonite	1	Hopei	1
Methodist Episcopal	4	Hopei } Kiangsu } Kiangsi }	5
Methodist Episcopal (W. F. M. S.)	1	Hopei	2
Presbyterian (A. P. M. N.)	10	Hopei } Shantung } Anhwei } Hunan }	13
Presbyterian (A. P. M. S.)	8	Kiangsu } Chekiang }	11
Reformed Church of America	1	Fukien	1
Scotch Presbyterian	4	Fengtien } Hupeh }	4
Society for the Propagation of the Gospel	1	Hopei	1

<i>Mission</i>	<i>No. of Hospitals</i>	<i>Province</i>	<i>No. of Graduates</i>
Swedish	1	Hunan	1
United Church of Canada	1	Honan	3
United Christian (Disciples)	2	Kiangsu } Anhwei }	4
Margaret Williamson Hospital, Shanghai	1	Kiangsu	1
Nanking University Hospital	1	Kiangsu	1
West China Union University, Chengtu	1	Szechuen	1
<b>Total</b>	<b>24</b>	<b>59</b>	<b>83</b>
Cheeloo Hospital & School of Medicine			19
			<b>102</b>



*HOSPITAL SOUTH ENTRANCE*

MAP SHOWING DISTRIBUTION OF GRADUATES  
OF CHEELOO SCHOOL OF MEDICINE



Total Number of Living Graduates (1915-1931) (including 20 Women (1926-1931) . . . . .	246
In Mission Hospitals (including Cheeloo Hospital and School of Medicine 19) . . . . .	102
In Private Practice, Government or Non-mission Hospitals . . . . .	134
Not Located or Not Practising . . . . .	10

**IMPROVEMENTS TO PHYSICAL PLANT.** Owing to the fact that the trustees of the New Hospital Building Fund have allowed us to use a small amount of the interest accruing on that fund, we have been able to carry out some very much needed improvements in the plant. A small building has been erected for a students' laundry and barber's shop; the Library has been enlarged, by utilising part of the hall-way, in order to make room for the increasing number of books and also to accommodate the larger number of students who are using the Library. A waiting room for guests has been made by partitioning off part of the hall, and a former classroom has been converted into a pathological museum. Various improvements have also been made in the Hospital, which will be mentioned in the Hospital Report.

**HOSPITAL.** A separate report of the activities of the Hospital and School of Nursing, as well as of the Leper Hospital, will be published, but the following summary of patients treated may be given here:—

	1930-31	1929-30 (Hosp. closed for six Weeks)
Total number of inpatients treated.	1807	1224
Outpatients		
New patients . . . . .	16623	10419
Return visits . . . . .	44156	25820
Total . . . . .	60779	36239

**VISITORS.** During the year we have had visits from a number of Board Secretaries, members of the Fact Finding Commission and of the Rockefeller Foundation, and from the Secretary of the Leonard Wood Leper Commission.

**PUBLICATION COMMITTEE.** While the Publication Committee of the China Medical Association is not an integral part of the Medical School, yet, as the large majority of the Committee, as well as its Executive Secretary, Dr. P. L. McAll, are members of the medical faculty, it is proper to give a short report of the work of this committee during the past year.

The Publication Committee has continued its activities during the past twelve months and can report an encouraging amount of work done. Mr. Leo returned in December, after a year's absence for health reasons. In March 1931 Dr. Ingle left on furlough.

Besides four numbers of the Tsinan Medical Review, the following pieces of translation work have been done and are now either printed or in the press:—

New edition of the English-Chinese Medical Lexicon.

Completion of new Chinese-English Medical Dictionary.

Appendices to "Pediatrics" and "Medicine", bringing these two books up to date.

"Introduction to Local Anaesthesia."

New translation of Rose & Carless' "Surgery".

Revision of Stitt's "Bacteriology and Parasitology".

Completion of printing "Minor Surgery" and "Epitome of Materia Medica".

Revision of "Diseases of the Skin".

Revision of Holt's "Care & Feeding of Children".

Revision of book on "Surgical Note-taking".

**NEEDS.** There are still a number of vacancies on our staff which we have been unable to fill. We badly need specially qualified persons as heads of the departments of Bacteriology, Ophthalmology, Public Health, X-Ray and Electro-therapeutics. One reason why we have not been able to obtain suitable men or women for these positions is lack of funds with which to pay adequate salaries. The chief reason, however, is that, at the present time, the supply of qualified teachers in medical subjects is, in China, inadequate to the demand. It requires years of special training to fit a person for a responsible position in a medical school, and there are very few such people available. The vast majority of medical graduates in China are devoting themselves to the more remunerative practice of the clinical branches and few are preparing to be teachers.

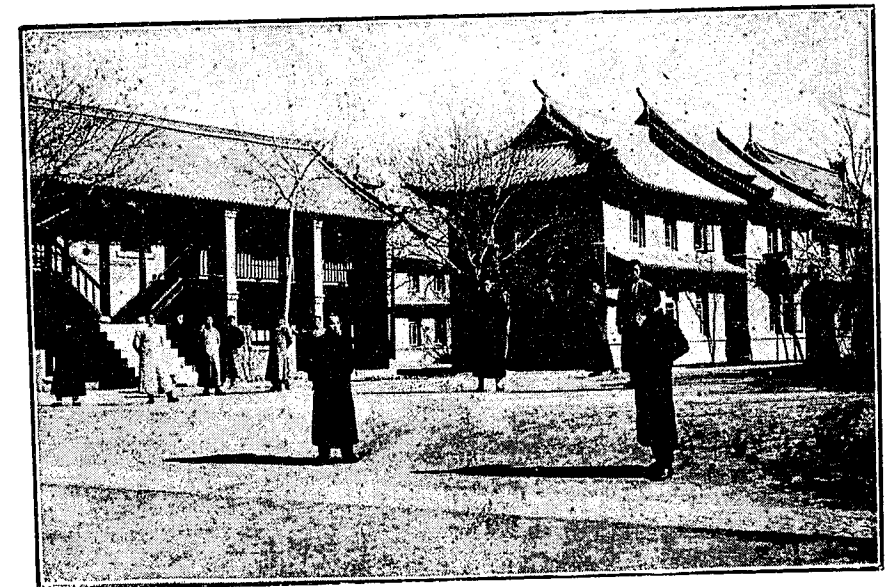
From the standpoint of teaching our students, we need more hospital beds, but we cannot afford to run a very much larger hospital, such as we have funds to build, on our present income. Peace in China and better pre-medical instruction will increase the number of applicants for medical schools. So far, we have not actually had to turn away students on account of lack of space, but before long we shall have to increase our dormitory accommodation, teaching force, and hospital beds if we are going to care for even the modest number of 150 students which we have set as our goal.

**FINANCES.** We are glad to state that, during the past year, the Women's Missionary Society of the United Church of Canada has joined the union, which now gives us nine supporting missionary societies.

We started the year with a deficit and the situation looked very serious during the first half of the year, on account of the depreciation of silver and the increased prices of all supplies purchased from abroad, so that we were forced to be extremely economical in our expenditures. However, during the year, practically all of our contributing missions paid their grants, in whole or in part, in gold, and the Rockefeller Foundation paid half of its appropriation in gold.

The Treasurer's report shows that the school has been able to pay off the deficit on the 1929-30 account, and also to set aside as a suspense account \$8,843.91.

The bonus from the American Presbyterian Mission North was used for General University overhead expenses and thus relieved the schools from appropriating any funds towards this item of expenditure.



**STUDENTS' DORMITORIES**

**FINANCIAL REPORT FOR THE YEAR**

JULY 1st, 1930-JUNE 30th, 1931.

**SCHOOL OF MEDICINE**

**RECEIPTS**

<b>Grants from Missions for General Expenditure</b>	<b>Mex.</b>
American Presbyterian Mission North . . . . .	\$2,000.00
American Presbyterian Mission South . . . . .	1,333.00
Baptist Missionary Society . . . . .	7,595.00
British Section Board of Governors . . . . .	1,500.00
London Missionary Society . . . . .	1,339.00
Society for the Propagation of the Gospel . . . . .	2,625.00
United Church of Canada Mission . . . . .	2,062.00
United Church of Canada, Women's Missionary Society . . . . .	2,191.10
*Wesleyan Methodist Missionary Society . . . . .	4,624.58
Women's Committee, U. S. A. . . . .	11,788.66
	<u>37,058.34</u>
Rockefeller Foundation . . . . .	68,165.33
Students' Fees . . . . .	8,522.50
	<u>\$113,747.49</u>
	Total
Less Transfer to Hospital . . . . .	38,885.14
Net Income received . . . . .	<u>\$74,862.35</u>

**EXPENDITURES**

(a) Administration . . . . .	\$4,572.75
(b) Salaries paid by Medical School . . . . .	23,523.00
(c) Departmental . . . . .	14,240.10
(d) Maintenance . . . . .	9,188.29
(e) Insurance . . . . .	400.00
(f) Women's Unit Building Fund . . . . .	3,124.94
(g) Microscopes . . . . .	498.61
(h) Debit balance 1929-30 . . . . .	10,470.75
(i) Rockefeller Suspense . . . . .	2,343.91
(j) Other suspense accounts . . . . .	6,500.00
	<u>\$74,862.35</u>

**HOSPITAL**

**RECEIPTS**

Hospital Fees . . . . .	\$32,365.71
Donations (including gifts of hospital supplies) . . . . .	4,947.05
Miscellaneous . . . . .	1,150.99
Out-patient Department . . . . .	31,659.53
Nursing School . . . . .	385.00
Transfer from Medical School . . . . .	38,885.14
	Total
	<u>\$109,393.42</u>

**EXPENDITURES**

(a) Administration . . . . .	\$4,935.65
(b) Service to Patients . . . . .	92,056.47
(c) Maintenance . . . . .	3,306.39
(d) Out-patient Department . . . . .	9,094.91
	Total
	<u>\$109,393.42</u>

\*Appropriation for second half of fiscal year received after July 1st, so not included.

The above financial statement does not include receipts and expenditures on account of the various co-operating missionary societies for the salaries, allowances and furloughs of the missionary members of the staff, amounting, approximately, to Mex. \$100,000 for the Medical School and Hospital for twelve months.

**Note.** Since this report was written, the School of Medicine has sustained a great loss in the sudden death, from appendicitis, on July 29th, 1931, of Dr. Wang Hui Wen, Acting Head of the Department of Anatomy.

## IN MEMORIAM

DR. CHARLES FLETCHER JOHNSON  
August 29th 1857—May 12th, 1931.

It is with great sorrow that we record the death during the past year of Dr. C. F. Johnson, of the American Presbyterian Mission, Tsinan, one of the founders of the School of Medicine.

Dr. Johnson, in 1908, with Drs. Neal, Watson and Patterson, conducted the so-called "peripatetic" medical class which later became the Tsinan Union Medical College, in 1910, and, in 1915, the School of Medicine of Shantung Christian University. From the founding of the Medical College until 1921, Dr. Johnson was a member of the Faculty, teaching Obstetrics and Children's Diseases, and, after his resignation from the Faculty, he was, for many years, a member of the Board of Directors of the University. In his death, the cause of medical education in China has lost one of its pioneers. Dr. Johnson's fine Christian spirit, and winning personality endeared him to all, and we, in Cheeloo, greatly miss his good judgment and wise counsel.

## FACULTY OF SCHOOL OF MEDICINE AUTUMN 1919



Reading from left to right—  
Back row:— Dr. L. H. Braaffadt, Rev. B. M. McOwan.  
Second row:— Dr. P. C. Kiang, Dr. C. K. Rofs, Dr. P. S. Evans, Dr. W. McClure, Mr. F. H. B. Harmon, Dr. T. Stearns.  
Front row:— Dr. C. F. Johnson, Dr. H. Balme, Dr. J. B. Neal, Dr. R. T. Shields, Dr. E. R. Wheeler.  
The following were also members of the Faculty at this time:— Mr. C. T. Y. Cheng, Dr. T. Gillison, Rev. W. P. Pailing, Dr. Wang Hui Wen.

**BOARDS OF ADMINISTRATION  
SHANTUNG CHRISTIAN UNIVERSITY**

**BOARD OF GOVERNORS**

**Officers**

Chairman:— F. H. HAWKINS, LL. B.

Vice Chairmen:—MRS. W. F. McDOWELL  
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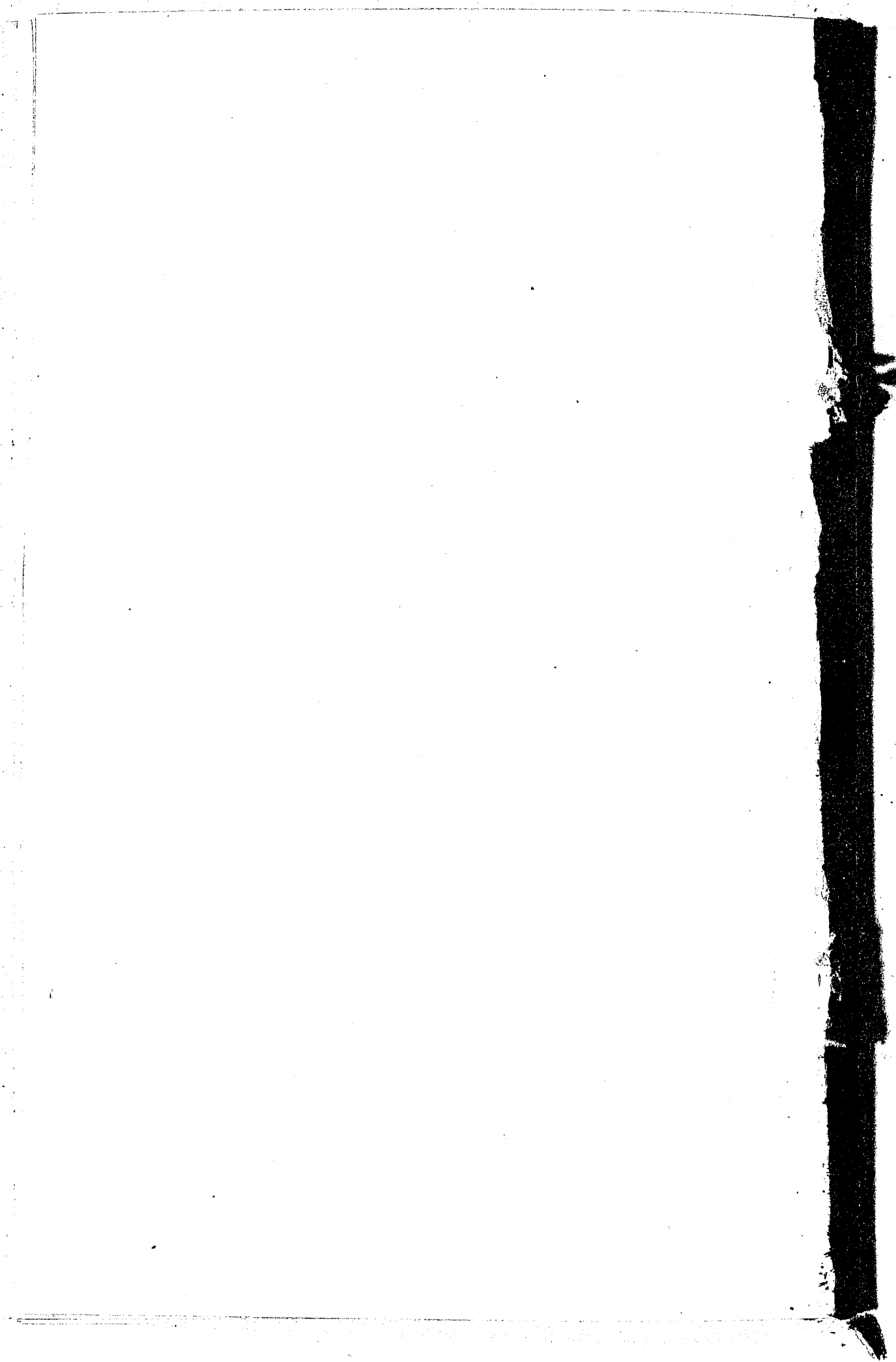
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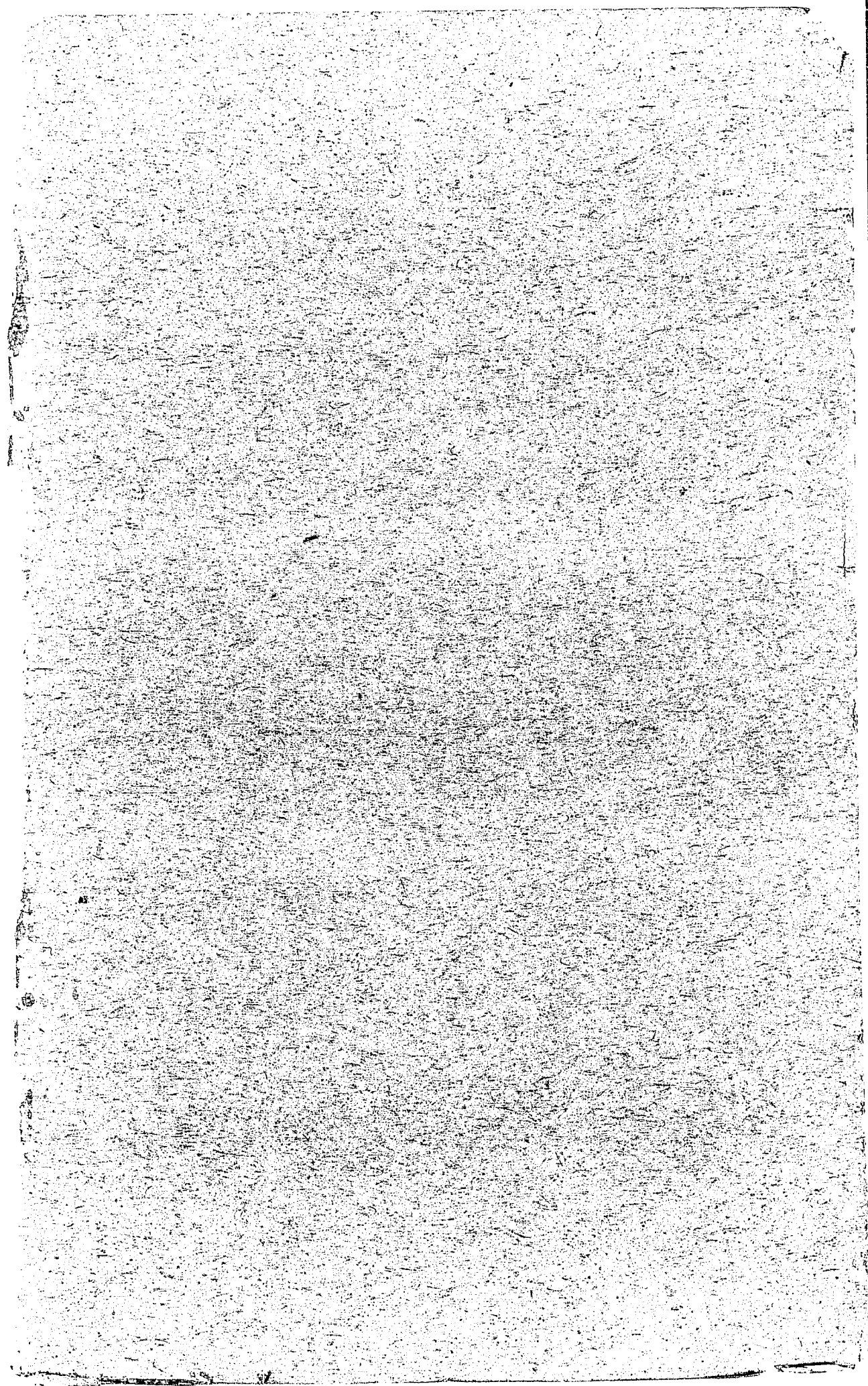
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**CHEELOO UNIVERSITY**

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TSINAN, CHINA

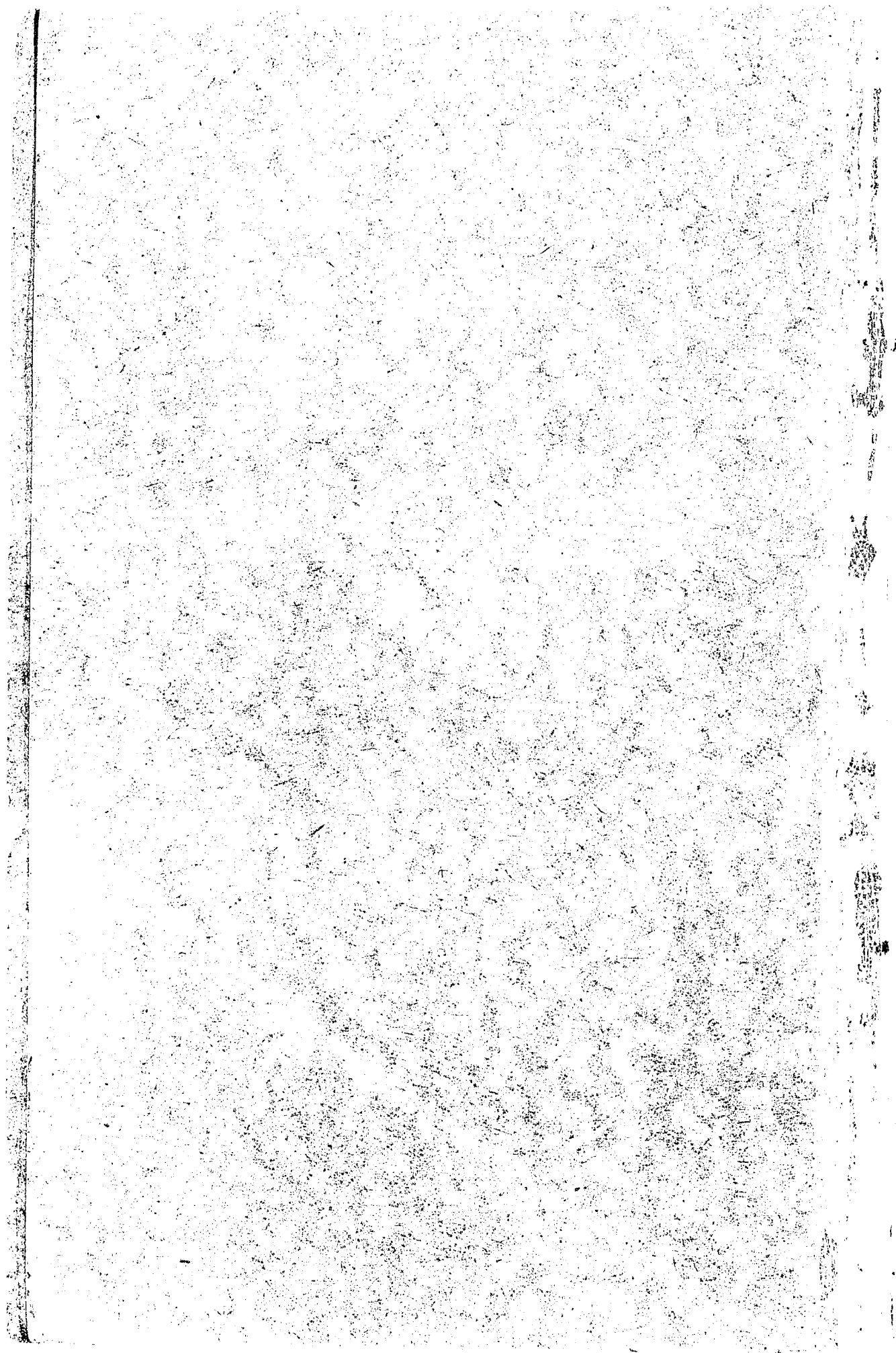
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BULLETIN OF THE SCHOOL OF MEDICINE



**CHEELOO UNIVERSITY**

**(SHANTUNG CHRISTIAN UNIVERSITY)**

**TSINAN, CHINA**

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**BULLETIN OF THE SCHOOL OF MEDICINE**

**1932**

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*University Bulletin No. 85*

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*Hsu Yin Tang*



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YEN PIN, Assistant in Clinical Microscopy.

\*On furlough 1931-32.

#### SCHOOL OF MEDICINE CALENDAR 1931-1932

Fall Term opens September 1st, 1931.

" " closes November 26th, 1931.

Winter" opens November 30th, 1931.

" " closes March 19th, 1932.

Spring" opens March 21st, 1932.

" " closes June 23rd 1932.

#### GENERAL STATEMENT

The School of Medicine of the Shantung Christian University was established in 1909 by the English Baptist Mission and the American Presbyterian Mission, North,—the original buildings and hospital being erected from funds contributed by the English Baptist Mission, and the institution being known at that time as the Union Medical College. To this college the China Medical Board of the Rockefeller Foundation, in the year 1916, transferred three classes of students from the former Peking Union Medical College, at the same time making a grant of G. \$50,000 for further buildings and equipment, and an annual subsidy of G. \$20,000 for five years towards the expense of upkeep. In addition to this, a supplemental grant of G. \$50,000 was made to cover depreciation in exchange

In 1916-1917, 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 Medical College also transferred their students to Tsinan, together with some of their professors.

During the academic year of 1923-24 a union was effected between this school and the North China Union Medical College for Women. In September 1923, women students were admitted to the entering class of the Medical School and into both classes in the Pre-medical. In February 1924, two other classes were transferred from Peking to Tsinan. Five members of the Faculty of the Union Medical School for Women were added to the Faculty of the Medical Department of the Shantung Christian University to form a common body. The present School of Medicine represents an amalgamation of the above five institutions.

In 1924, the University was granted a Charter by Act of the Parliament of Canada, and, in April 1925, the Board of Governors was organised in New York. Under this charter the University is authorised to confer the usual degrees.

The University was registered with the Chinese Ministry of Education on Dec. 17th, 1931. Graduates will now enjoy all the privileges accorded to those of government institutions. Ten Missions are now co-operating in the School, to a greater or less degree, five being English, three American and two Canadian. These Missions are the following:—

- English:* Baptist Missionary Society  
Society for the Propagation of the Gospel  
London Missionary Society  
Wesleyan Missionary Society  
English Presbyterian Mission
- American:* American Presbyterian Mission, North  
American Presbyterian Mission, South  
Women's Foreign Missionary Society of the Methodist Episcopal Church, North
- Canadian:* United Church of Canada Mission  
United Church of Canada Woman's Missionary Society

In addition to the above organizations which are supporting the School of Medicine, the Rockefeller Foundation has been making a generous appropriation annually.

The internal administration of the School is in the hands of the Dean and Faculty.

### 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 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. Special laboratories are 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 is 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 240 beds. The Outpatient Dispensary consists of a central waiting room, with consulting rooms for the different departments, a laboratory for routine examinations, and operating rooms for surgical and ophthalmic outpatients. The Departments of Roentgenology and Physical Therapy are also situated in this building, and the Dental Department is in a separate building across the street.

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. These dormitories are equipped with plumbing and lighted by electricity.

In addition to the School of Medicine there is, connected with the Hospital, a Nurses Training School for 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,  
University Hospital,  
Cheeloo University,  
Tsinan.

### 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 General University Bulletin No. 57, 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 Science Department of Shantung Christian University, for admission to which see Bulletins of Arts & Science College, Nos. 81 and 82. The Science 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, students who complete the Science courses will be required to present themselves for the entrance examination of the School of Medicine at the conclusion of the Science 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.

### ENTRANCE REGULATIONS

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 science 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.* 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. (Admission may be refused on the basis of ill health.) This card must be presented to the Registrar at the time of registration. 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. 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.

The Science course will probably be lengthened in the near future, when some changes will necessarily be made in the entrance requirements.

### SYLLABUS OF REQUIRED WORK IN SCIENCE

Showing the Requirements for Entrance to the School of Medicine:

#### *Biology.*

The student should complete at least four terms of college grade work in General Biology and General Zoology.

#### *Physics.*

This is a course of General Physics of college grade covering at least three terms.



The work covered should include Mechanics, Molecular Physics and Heat, Electricity, Magnetism, Light and Sound

For general reading and lectures, Kimball's "College Physics" and Duncan and Starling's "A Text-book of Physics" are suggested.

*Chemistry.*

This is a course of four terms of laboratory work, covering Inorganic Qualitative and Quantitative Analysis, Organic Chemistry and Physical 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.

*Chinese.*

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.

*English.*

A student should have 12 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.

**GRADUATION  
REQUIREMENTS FOR 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 and fulfilled all of the Science requirements.
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. Have passed creditable examinations at the end of their fourth year in the courses of study outlined below, their fifth year being spent as a student interne. At the end of the fifth year they are 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:—

- Anatomy, Histology and Embryology.* . . . . . 744 hours.  
During this period the student must himself dissect at least one half of a human cadaver.
- Physiology and Biological Chemistry.* . . . . . 504 hours.  
*Pharmacy, Pharmacology and Materia Medica.* . . . . 192 hours.  
*Pathology, Bacteriology and Hygiene.* . . . . . 618 hours.  
Including attendance upon at least 12 autopsies.
- Medicine, including Pediatrics, Neurology,*  
*Dermatology and Syphilis.* . . . . . 1230 hours.
- Surgery, including Orthopaedics, Urology,*  
*Ophthalmology, Otolaryngology and*  
*Roentgenology* . . . . . 724 hours.
- Obstetrics and Gynaecology.* . . . . . 96 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.

### UNIVERSITY FEES AND DEPOSITS

The schedule of University Fees and Deposits, payable semi-annually in local currency, is as follows:—

TUITION:—	\$40.	per half year
ATHLETICS:—	2.	" " "
*DORMITORY:—room, light, and heat.	10.	" " "
*DEPOSIT FOR BOARD:—(approx.)	40.	" " "
LAUNDRY:—	2.	" " "
BREAKAGE DEPOSIT:—	5.	annually, payable in fall
MICROSCOPE FEE:—	10.	" " "
<b>SPECIAL FEES:—</b>		
Graduation fee (payable the Monday before Commencement)	3	
Late registration fee	1	per day
<i>*Women Students</i>		
DORMITORY:—	\$14.	per half year
LIGHT:—	2.	" " "
BOARD:—	25.	" " "

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 Board of Directors.

The Breakage Deposit is returnable at the end of the year, in as far as it has not been used.

All kitchen arrangements, purchases of food, and management of the dining room are in the hands of the students themselves. The estimated cost of food for each term is deposited on registration day with the University Treasurer, by whom it is disbursed to the Student Committee in charge. All students are expected to room in the dormitories.

#### STUDENT EXPENSES

The table below furnishes estimates of the annual expenses of a student in the School of Medicine. 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 have approximately the same expenses.

### AVERAGE ANNUAL EXPENSES

Tuition	\$80
Athletics Fee	4
Dormitory Fee	20
Breakage Fee	5
Microscope Fee	10
Board	80
Books and Stationery	50
Clothing	50
Contributions	10
Miscellaneous	30
<b>TOTAL</b>	<b>\$339</b>

**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.

**ENGLISH SCHOLARSHIP.** Two scholarships, consisting of approximately Tls. 60 each, are offered annually to the students of the first and fourth year classes having the highest standing in English, provided the said students are also in the upper third of their classes.

#### 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.

The school year is now divided into three trimesters of twelve weeks each.

408			408		
Histology Embryol. (108)	372	Bact. 1. (72)	372	342	366
Anat. 1. (264)	Histology Embryol. (108)	Biochem. (180)	Bact. 1. (72)	Elective (36)	Lab. diag. 2. (36)
	Biochem. (24)		Med. 1. (12)	Med. 1. (12)	Med. 2. (72)
Anat. 1. (204)	Anat. 1. (204)	Physiol. 1. (132)	Mat. Med. (30)	Pharmacy (30)	Physical diag. 2. (48)
			Human. (12)	Physical diag. 1. (48)	
English (36)	English (36)	English (24)	Pub. Health 1. (30)	Pharmacol. (96)	Lab. diag. 1. (72)
			Physiol. 1. (132)	Ped. 1 (12)	Clinic (12)
			Surg. 1. (12)	Surg. 2 (48)	
			Path. 1 (60)	Path. 1 (60)	Path. 2 (30)
			English (36)	English (36)	English (36)

FIRST YEAR                      SECOND YEAR

The columns represent the Autumn, Winter, and Spring terms. Descriptions of the various courses may be found in the following pages.

Numbers in parentheses ( ) indicate the number of hours allotted to each course. The number at the top of each column indicates the total number of hours assigned for the term.

408			414		
Physiol. 2 (12)			Elective (36)	390	
Bact. 2. (36)			Surg. 5. (18)	Bact. 3. (36)	336
Lab. diag 3 (30)	342	336	Surg. 6 (6)		Admin. (12)
Med. 3 (72)	Physiol. 2 (12)	Physiol. 2 (12)	Pub. Health 3. (36)	Gyn. 1 (36)	Surg. 9 (12)
	Med. 4 (72)	Med. 5. (24)	Med. 5 (12)	Med. 5. (12)	Med. 6 (36)
Physical diag. 2 (48)	Dermatol 1 (18)	Xray (12)	Clinical Clerkship (Med) (144)	Clinical Clerkship (Surg) (144)	O.P.D. Specialties (Eye E.N.T. Skp Syphil. Ped.) (144)
	Syphilol 1 (18)	E.N.T. 1 (12)			
Lab diag 4 (72)	Ophthalmology 1 (24)	Ophthalmology 1 (36)	Anat. 4 (12)	Anat. 4 (12)	Surg. 8 (12)
	Obstetr 1 (24)	Obstetr. 1 (36)			
Ped. 1 (12)	Anat 3 (36)	Anat. 4 (12)	Ped. 2 (36)	Ped. 2 (36)	Pharmacol. 2 (36)
Clinic (12)	Ped. 1 (12)	Clinic (12)	Clinic (12)	Clinic (12)	Clinic (12)
C.P.C. (12)	C.P.C. (12)	C.P.C. (12)	C.P.C. (12)	C.P.C. (12)	C.P.C. (12)
Surg. 2 (48)	Surg 2 (48)	Surg. 3 (36)	Surg. 4 (36)	Surg. 4 (36)	Surg. 4 (36)
Path. 2 (30)	Path. 2 (30)	Pub. Health 2 (36)	Path. 2 (30)	Path. 2 (30)	Path. 2 (30)
English (24)	English (24)	English (24)	English (24)	English (24)	English (24)

THIRD YEAR                      FOURTH YEAR

C. P. C.=Clinico-Pathological Conference.

Clinic=Weekly Clinical Conference. See Med 8

Human.=Humanities, a course of lectures on subjects related to the science or practice of medicine.

## DESCRIPTION OF COURSES OF STUDY

### ANATOMY

RANDOLPH TUCKER SHIELDS, M.D., Professor of Histology.

CHANG HUI CHUAN, M.B., Associate in Histology.

YEH LU MING, M.B., Assistant Instructor in Anatomy.

#### ANATOMY 1. GROSS ANATOMY.

1st year, 1st trimester, 22 hours per week.

2nd " 17 " " "

Each student is required to make a careful dissection of one half of a body.

#### ANATOMY 2. HISTOLOGY AND EMBRYOLOGY.

1st year, 1st trimester, 9 hours per week.

2nd " 9 " " "

This course begins with a review 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 emphasized. In the last part of the 2nd trimester 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 3. NEUROLOGY.

3rd year, 2nd trimester, 3 hours per week for 12 weeks.

This course deals with the anatomy of the central nervous system, and especially the arrangement and function of the fibre tracts.

#### ANATOMY 4. APPLIED ANATOMY.

3rd year, 3rd trimester, 1 hour per week.

4th " 1st " 1 " " "

" " 2nd " 1 " " "

#### ANATOMY 5. ELECTIVE.

Offered to 2nd and 3rd year students, minimum 36 hours.

Additional work in Anatomy 1 or 2, arranged with the heads of those departments.

## BIOCHEMISTRY

PETER C. KIANG, M. D., Professor of Biochemistry & Toxicology

LI TSAN WEN, B. S., Associate in Biochemistry.

SUSAN S. WADDELL, M. D., Associate Professor of Physiology and Pharmacology.

### BIOCHEMISTRY 1

1st year, 2nd trimester, 4 hours per week (for 6 weeks)

" " 3rd " 15 " " "

The course is designed to cover the following:—

The general chemistry of the cell and various tissues of the body.

The descriptive chemistry of the carbohydrates, lipins, proteins and other substances which constitute the physical basis of life.

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.

Volumetric methods of urine and blood analysis.

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.

### BIOCHEMISTRY 2.

Elective. Blood Chemistry.

Offered to 2nd & 4th year students, minimum 36 hours.

## PHYSIOLOGY

PHILIP SAFFERY EVANS, M. D., Professor of Physiology.

SUSAN S. WADDELL, M. D., Associate Professor of Physiology and Pharmacology.

CHEN YEN PING, M. B., Instructor in Physiology and Pharmacology.

### PHYSIOLOGY 1.

1st year, 3rd trimester, 11 hours per week.  
2nd " 1st " 11 " " "

During the first trimester, the physiology of muscle and nerve, blood, tissue fluid and lymph, the circulation, the endocrine organs, respiration and digestion are studied. The second trimester's work includes metabolism, nutrition, temperature regulation, renal function, acid-base balance, central nervous system and special senses. Practical exercises and demonstrations are given, so far as possible, in co-ordination with lectures and discussions. Careful record of all experimental work is required.

### PHYSIOLOGY 2.

3rd year, 1st trimester, 1 hour per week.  
" " 2nd " 1 " " "  
" " 3rd " 1 " " "

Advanced course given in co-ordination with clinical medicine and surgery.

### PHARMACOLOGY

SUSAN S. WADDELL, M. D., Associate Professor of Physiology and Pharmacology.

PETER C. KIANG, M. D., Professor of Biochemistry & Toxicology.

### PHARMACOLOGY 1.

2nd year, 2nd trimester, 8 hours per week.

This course is devoted chiefly to study of the physiological action of a selected list of drugs and indication of the way in which these actions may be utilized therapeutically. The physical and chemical properties are described only in so far as they concern drug actions or methods of administration. Demonstrations and experiments are used to illustrate discussions as far as is practicable, and students are required to submit records of all laboratory work.

### PHARMACOLOGY 2. TOXICOLOGY.

4th year, 3rd trimester, 3 hours per week.  
Largely experimental work on animals.

### MATERIA MEDICA AND PHARMACY

WILLIAM P. PAILING, Ph.C., M.P.S., Associate Professor of Materia Medica & Pharmacy.

CHU CHING SHEN, Assistant Instructor in Materia Medica & Pharmacy.

LIU KUO HUA, Assistant Instructor in Materia Medica & Pharmacy.

### MATERIA MEDICA.

2nd year, 1st trimester, 2½ 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.

2nd year, 2nd trimester, 2½ hours per week.

This 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. The chief typical pharmacopoeial preparations are made in class.

### PATHOLOGY & BACTERIOLOGY

HOU PAO CHANG, M.D., Associate Professor of Pathology.

LI SHOU CH'ENG, M.B., Instructor in Pathology & Bacteriology.

YU FU HSIN, Clinical Microscopist.

DORA GILMORE, B.A., Assistant in Bacteriology.

### PATHOLOGY 1.

General Pathology.

2nd year, 1st trimester, 5 hours per week.  
" 2nd " 5 " "

### PATHOLOGY 2.

Regional or Special Pathology.

2nd year, 3rd trimester, 2½ hours per week.

3rd " 1st, 2nd trimesters, 2½ hours per week.

4th " 1st, 2nd & 3rd trimesters, 2½ hours per week.

### PATHOLOGY 3.

Surgical Pathology.

5th year, surgical section, 1 hour per week. (half year)

### PATHOLOGY 4.

Elective.

Offered to 3rd year students, minimum 36 hours.

### **BACTERIOLOGY 1.**

General Bacteriology. Lectures and Laboratory.

1st year, 3rd trimester, 6 hours per week.

2nd " 1st " 6 " "

### **BACTERIOLOGY 2.**

Medical Bacteriology.

3rd year, 1st trimester, 3 hours per week.

### **BACTERIOLOGY 3.**

Surgical Bacteriology.

4th year, 2nd trimester, 3 hours per week.

### **BACTERIOLOGY 4.**

Elective. Serology.

Offered to 2nd, 3rd or 4th year students, minimum 36 hours.

## **MEDICINE**

WILLIAM McCLURE, M.D., C.M., Professor of Medicine.

ERNEST B. STRUTHERS, M.D., Associate Professor of Medicine.

FRANCIS H. MOSSE, M.R.C.P., Associate Professor of Medicine.

H. JOCELYN SMYLY, M.D., Associate Professor of Medicine.

JULIA MORGAN, M.D., Associate Professor of Medicine.

ARABELLA S. GAULT, M.D., Associate in Medicine.

LIN LIEN CH'ING, M.B., Instructor in Medicine.

T'ANG HSI YAO, M.B. Instructor in Medicine.

CHANG HAI HAN, M.B. Assistant Instructor in Medicine.

### **MEDICINE 1.**

2nd year, 1st and 2nd trimesters, 1 hour per week.

A preliminary course in the more common symptoms of disease, with illustrative cases. This course is intended to serve as an introduction to the study of clinical medicine.

### **MEDICINE 2.**

2nd year, 3rd trimester, 6 hours per week.

An introductory course is given in heart diseases (1 hour per week). Pulmonary Tuberculosis and Medical Helminthology are also taught in this term.

In the teaching of medical subjects, both in this and the third year, time is allowed for teaching the pathological, bacteriological and clinical aspects of the disease, so that all aspects may be closely linked together.

### **MEDICINE 3.**

3rd year, 1st trimester, 6 hours per week.

Typhoid fever, Cholera, Malaria, Kala-azar, Dysentery, Lung diseases, Liver diseases, Diabetes.

In addition to clinics in the wards, bacteriological work is carried out on the cases studied.

A course in Protozoology in this term is linked up with the systematic teaching and clinics on protozoal diseases.

### **MEDICINE 4.**

3rd year, 2nd trimester, 6 hours per week.

Gastro-intestinal, Kidney and Blood diseases, Pneumonia.

### **MEDICINE 5. (Neurology).**

3rd year, 3rd trimester, 2 hours per week.

4th " 1st and 2nd trimesters, 2 hours per week.

A course in Neurology illustrated by diagrams and by cases from the wards and Out-patient Department.

### **MEDICINE 6. (Therapeutics).**

4th year, 3rd trimester, 3 hours per week.

A course of lectures on the pharmacological and therapeutic action of drugs in the treatment of disease, including intravenous therapy and the application of serum and vaccine therapy.

In a supplementary course of 1 hour per week, demonstrations are given in the hospital of various methods of therapy, including massage, hydrotherapy and the more important procedures in the practice of nursing patients.

Throughout the course in therapeutics, an effort is made to teach the value of all the measures that may be employed in the adequate treatment of the patient.

### **MEDICINE 7. (Clinical Medicine)**

4th year, 1st, 2nd & 3rd trimesters, 6 hours per week.

In this year, the student is assigned patients in the wards and is required to make a complete study of each and write out the history, physical examination and laboratory findings.

**MEDICINE 8.**

3rd, 4th & 5th years, 1 or 2 hours per week.  
Clinics or conferences on selected patients.

**PHYSICAL DIAGNOSIS**

JULIA MORGAN, M.D., Associate Professor of Medicine.  
ARABELLA S. GAULT, M. D., Associate in Medicine.  
H. JOCELYN SMYLY, M.D., Associate Professor of Medicine.  
ERNEST B. STRUTHERS, M. D., Associate Professor of Medicine.  
FRANCIS H. MOSSE, M.R.C.P., Associate Professor of Medicine.  
PHILIP B. PRICE, M.D., Assistant Professor of Surgery.  
MARY P. GELL, M.B., Associate in Obstetrics & Gynecology.  
LIN LIEN CH'ING, M.B., Instructor in Medicine.

**PHYSICAL DIAGNOSIS 1.**

Methods and technique, taught in small groups. Practice on the normal subject. History taking.

2nd year, 2nd trimester, 4 hours per week.

**PHYSICAL DIAGNOSIS 2.**

Systematic, advanced course in abnormal subjects, taught in small groups.

2nd year, 3rd trimester, 4 hours per week.

3rd " 1st " 4 " " "

**PUBLIC HEALTH**

During the interval until a regular department of Public Health can be organized, the teaching of this subject is being carried on by a committee consisting of different members of the staff. The following are the courses outlined for the year 1931-1932:—

**PUBLIC HEALTH 1.**

2nd year, 1st trimester, 2½ hours per week.

Subject.	No. of Weeks	
Personal Hygiene	1	Practical exercises or demonstrations included
Air	1	in all subjects except the first.
Industrial Hygiene	2	Industrial Hygiene includes a field trip of two or three days during a vacation period.
Sanitary Construction	2	
Sewage Disposal	2	
Water	2	
Food	2	

**LABORATORY DIAGNOSIS**

ARABELLA S. GAULT, M. D., Associate in Medicine.  
YEN PIN, Assistant Clinical Microscopist.  
RANDOLPH T. SHIELDS, M. D., Professor of Histology & Embryology.  
CHANG HUI CH'UAN, M. B., Associate in Histology & Embryology.  
H. JOCELYN SMYLY, M. D., Associate Professor of Medicine.  
YU FU HSIN, Assistant Clinical Microscopist.  
PETER C. KIANG, M. D., Professor of Biochemistry.  
LI TSAN WEN, B. S., Instructor in Biochemistry.

**LABORATORY DIAGNOSIS 1.**

*Clinical Microscopy.* Routine methods of examination of blood, sputum, feces and spinal fluid. Lectures and laboratory work.

2nd year, 3rd trimester, 6 hours per week.

**LABORATORY DIAGNOSIS 2.**

*Helminthology and Embryology.* Lectures and laboratory work.

2nd year, 3rd trimester, 3 hours per week.

**LABORATORY DIAGNOSIS 3.**

*Protozoology.* Clinical and laboratory work.

2nd year, 1st trimester, 2½ hours per week.

**LABORATORY DIAGNOSIS 4.**

*Biochemical Methods.* Investigation of gastric, renal, hepatic and pancreatic function.

3rd year, 1st trimester, 6 hours per week.

**PUBLIC HEALTH 2.**

3rd year, 3rd trimester, 3 hours per week.

*Subjects*

Insect Carriers of Disease and Methods of Extermination.

Prevention of Communicable Diseases.

Mental Hygiene.

Heredity and Eugenics.

Disinfection.

**PUBLIC HEALTH 3.**

4th year, 3rd trimester, 3 hours per week.

Individual or small group problems.

**ENGLISH PUBLIC HEALTH.**

4th year, 3rd trimester, 2 hours per week.

*Subjects*

Child and School Health.

Maternity and Infant Welfare.

Vital Statistics.

Health Administration.

**ELECTIVE.**

3rd year, 3rd trimester, 3 hours per week.

4th year, 1st trimester, 3 hours per week.

Individual or small group problems offered in Public Health.

**PEDIATRICS**

ANNIE V. SCOTT, M. D., Associate Professor of Pediatrics.

LI P'EI KUANG, M. B., Instructor in Pediatrics.

**PEDIATRICS 1.**

2nd year, 3rd trimester, 1 hour per week.

3rd year, 1st and 2nd trimesters, 1 hour per week.

During this time one hour a week is devoted to recitations, demonstrations and lectures upon the growth and development of infants and children, the subject of nutrition, normal and abnormal, and the composition and use of foods, in so far as pediatrics is concerned.



### *PEDIATRICS 2.*

3rd year, 3rd trimester, 3 hours per week.

4th year, 1st and 2nd trimesters, 3 hours per week.

A weekly clinic or lecture of one hour is held throughout the period. Practical demonstration of cases, two hours once a week for the period. This consists in the examination by students of patients in the wards, and in the presentation and discussion of the cases before the class. Special attention is paid to the diseases peculiar to infancy and childhood and to the differences in the manifestation of diseases in children, as contrasted with adults.

### *PEDIATRICS 3. O.P.D.*

Clinical Clerk service in pediatric O.P.D. (in small groups) 4 weeks, during 4th year.

### *PEDIATRICS 4.*

5th year. During this interne year each student has a required period of service in pediatric wards and O.P.D.

## **DERMATOLOGY AND SYPHILOLOGY**

LEROY F. HEIMBURGER, M. D., Associate Professor of Dermatology & Syphilology.

YU CHIA CHUN, M. B., Instructor in Dermatology & Syphilology.

YU WEN YUAN, M. B., Clinical Assistant in Dermatology & Syphilology.

### *DERMATOLOGY 1.*

3rd year, 2nd trimester, 3 hours per week for 6 weeks.

A preliminary course of 18 lectures to review the physiology and histological anatomy of the skin; to study 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 2. O.P.D.*

4th year, one trimester, 2 hours a week.

Clinical instruction to sections of the class in the outpatient 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 body

for fungus infections are also taught. Instruction is given in the administration of various therapeutic agents, as arsphenamine, mercury, vaccines, etc., and in the technique of lumbar puncture and intraspinal therapy. As opportunity affords, the X-Ray therapy of cutaneous disease is demonstrated by the X-Ray Department

### *SYPHILOLOGY 1.*

3rd year, 2nd trimester, 3 hours per week for 6 weeks.

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. O.P.D. (In small groups.)*

4th year, 10 hours per week for 2 weeks.

Venapunctures and treatment of syphilis.

## **SURGERY**

THORNTON STEARNS, M. D., Professor of Surgery.

LAURENCE M. INGLE, M. D., Assistant Professor of Surgery.

PHILIP B. PRICE, M. D., Assistant Professor of Surgery.

The course in Surgery includes General Surgery, Orthopedics, G.U. Surgery, Ophthalmology, Otolaryngology, Operative Surgery and clinical work in the wards, Operating Room and Out-patient Department.

The mandarin translation of the Manual of Surgery, by Rose & Carless, is largely used by the students as a text: to a less extent some of the standard English text books of Surgery are used. An attempt is made in the lectures to amplify the material given in the text books and to adapt it to fit the peculiar needs of China.

### *SURGERY 1.*

2nd year, 2nd trimester, 1 hour per week.

An introduction to clinical surgery, consisting of lectures and demonstrations.

### *SURGERY 2.*

2nd year, 3rd trimester, 4 hours per week,

3rd year, 1st & 2nd trimesters, 4 hours per week.

General surgery, regional surgery and surgical technique. Three hours a week are given to lectures and one hour to ward rounds or clinic.

*SURGERY 3.*

3rd year, one trimester, 3 hours per week.  
Orthopedics and fractures, lectures and demonstrations.

*SURGERY 4.*

4th year, three trimesters, 3 hours per week.  
Rounds on the wards, bedside demonstrations, co-ordinated with Pathology 2.

*SURGERY 5.*

4th year, 1st trimester, 18 hours  
Genito-urinary diseases, lectures and demonstrations.

*SURGERY 6.*

4th year, 1st trimester, 6 hours.  
Plastic surgery, its principles.

*SURGERY 7.*

3rd year, 3rd trimester, 12 hours.  
X-Ray diagnosis.

*SURGERY 8.*

4th year, 3rd trimester, 12 hours.  
Technique and dressings, demonstrations and practice work.

*SURGERY 9.*

4th year, 3rd trimester, 12 hours.  
Bandaging.

*SURGERY 10.*

4th year, one trimester, daily.  
Work in the Out-patient clinic in small groups in the specialties, Ophthalmology, Ear, Nose & Throat, Gynecology.

*SURGERY 11.*

4th year, the afternoons of one trimester.  
Clinical Clerkship. Practical work in wards under supervision.

*SURGERY 12.*

5th year, six months.  
Interne service (including Gynecology & Obstetrics).

*SURGERY 13.*

5th year, six months.  
Out-patient Clinic.

*SURGERY 14.*

Elective for 3rd or 4th year. Minimum of 36 hours. Arranged with Head of the Department.

*SURGERY 15.*

5th year.  
Operations upon dogs. Limited to 12 students.

**OPHTHALMOLOGY**

LIU HUA YANG, (Grad. S. C. U.) Clinical Assistant in Ophthalmology.

*OPHTHALMOLOGY 1.*

3rd year, 2nd trimester, 2 hours per week.  
3rd year, 3rd trimester, 3 hours per week.

This course consists 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 2. O.P.D. (in small groups.)*

4th year, 10 hours per week for 4 weeks.

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. Elective.*

Following 3rd or 4th year, 1 month during summer.

This special course includes four lectures a week and five hours a day of clinical work, including operations, demonstrations, refraction and eye pathology, in laboratory, for those students who are specially interested in Ophthalmology.

### OBSTETRICS AND GYNECOLOGY

GORDON KING, F.R.C.S., Assistant Professor of Obstetrics & Gynecology.  
ESTHER PEH, M.D., Associate in Obstetrics & Gynecology.  
MARY P. GELL, M.B., Ch. B., Associate in Obstetrics & Gynecology.

#### OBSTETRICS 1.

3rd year, 2nd trimester, 2 hours per week.

3rd year, 3rd trimester, 3 hours per week.

Lectures and demonstrations. Extra-curriculum attendance in small groups on deliveries.

#### OBSTETRICS 2.

Elective (limited to 1 or 2 students each trimester)

Offered to 3rd year students. Minimum 36 hours.

#### GYNECOLOGY 1.

4th year, 2nd semester, 3 hours per week.

### EAR, NOSE AND THROAT

LANG KUO CHEN, M.B., Associate in Ear, Nose & Throat.  
LI YUAN FU, Grad. S. C. U., Clinical Assistant in Ear, Nose & Throat.

#### EAR, NOSE & THROAT 1.

3rd year, 3rd Trimester, 1 hour per week.

#### EAR, NOSE & THROAT 2.

O.P.D. Small groups.

4th year, 3 hours daily for 2 weeks.

It is the object of this course to enable students to obtain, first, a practical understanding of the normal ear, nose and throat, and then a knowledge of the more common and more important ear, nose and throat diseases. Each student is required to have sufficient practice in the O.P.D. to enable him to examine these parts with satisfactory dexterity.

### HOSPITAL ADMINISTRATION

L. F. HEIMBURGER, M.D., Medical Director of the University Hospital.

Twelve lectures during the fourth year on the function and principles of hospital organisation, administration technique, surveys, accounting, admission of patients, hospital records, out-patient department, social service, etc.

### ENGLISH

Various members of the Faculty.

1st and 2nd years, 3 hours a week:— Total 216 hours.

The purpose of the course is not to teach literary English, but to make the students at home in reading current English medical literature, and proficient in keeping accurate clinical records, and in making notes in English. Subjects taught are Medical Terms, Etymology, Practice Dictation (notes in Chinese), Practice Dictation (notes in English), Library Organization and Use, Finding of References and making of Abstracts, History Writing, Writing of Prescriptions and Orders, Personal Records and Files, Reading (pronunciation), Seminars (reports on literature, and discussion), and a few Lectures in English.

### PARTY PRINCIPLES

In accordance with Government regulations, a course in Party Principles is given to the first and second year students, consisting of one hour per week throughout the year.

### SPECIAL COURSES

#### PHARMACY COURSE

A two years course in Pharmacy is given to students who have completed Senior High School and passed the Entrance examinations to the University. (Chemistry MUST be taken as the elective subject at the Entrance examination by all students wishing to enter this course).

For the present, students are admitted to this course only every two years. The next class will be admitted in September 1933. Applications for this course should be made to the Dean of the Medical School.

Graduate nurses who have passed the N. A. C. examination are only required to take English and Chemistry at the entrance examinations.

The Pharmacy course consists of lectures and laboratory work, in addition to practical work in the Hospital Dispensary, in the following subjects:—

Botany	180 hours
Business methods and book-keeping	50 hours
Chemistry:— Inorganic	120 hours

Organic	.	.	.	.	150 hours
Qualitative analysis—	lectures	.	.	.	40 hours
	labs.	.	.	.	160 "
Volumetric analysis—	lectures	.	.	.	20 hours
	labs.	.	.	.	40 hours
Dispensing—	Lectures and labs.	.	.	.	100 hours
	In hospital dispensary	.	.	.	500 hours
Materia Medica	.	.	.	.	150 hours
Pharmacy	.	.	.	.	150 hours
Prescription reading and elementary Latin	.	.	.	.	50 hours
English, short course	.	.	.	.	50 hours

Students will be allowed to take the entrance examination to the University in 1932 and those successful will be enrolled for the 1933 course.

Owing to the limited accomodation, the number of students admitted to each Pharmacy course is limited to 18. Men and women are eligible for the course.

The fees for the course are \$30 per term\*, plus dormitory fee (\$10 to \$12 per term), light fee (\$4), athletic fee (\$2 per term), books, travel and board (board at present costs from \$30 to \$40 per term).

As this course is an intensive one, students are only allowed one month's holiday during the year. During the rest of the University vacations they are required to do practical work in the hospital dispensary.

#### *MASSAGE AND ELECTRO-THERAPY COURSE.*

A 6-months course in Massage and Electro-therapy is given to graduate nurses. Classes begin in September and January of each year and a special certificate is given.

Applications should be made in the first place to the Nursing Superintendent, Cheeloo University Hospital.

#### *LABORATORY COURSE*

A course for laboratory technicians, extending over one year, is given, but, as space is very limited, only four students can be admitted at one time to this course. Applications for this course should be made to the Dean, School of Medicine.

\* 6 Months.



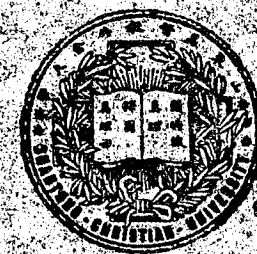


SHANTUNG  
CHRISTIAN  
UNIVERSITY  
BULLETIN

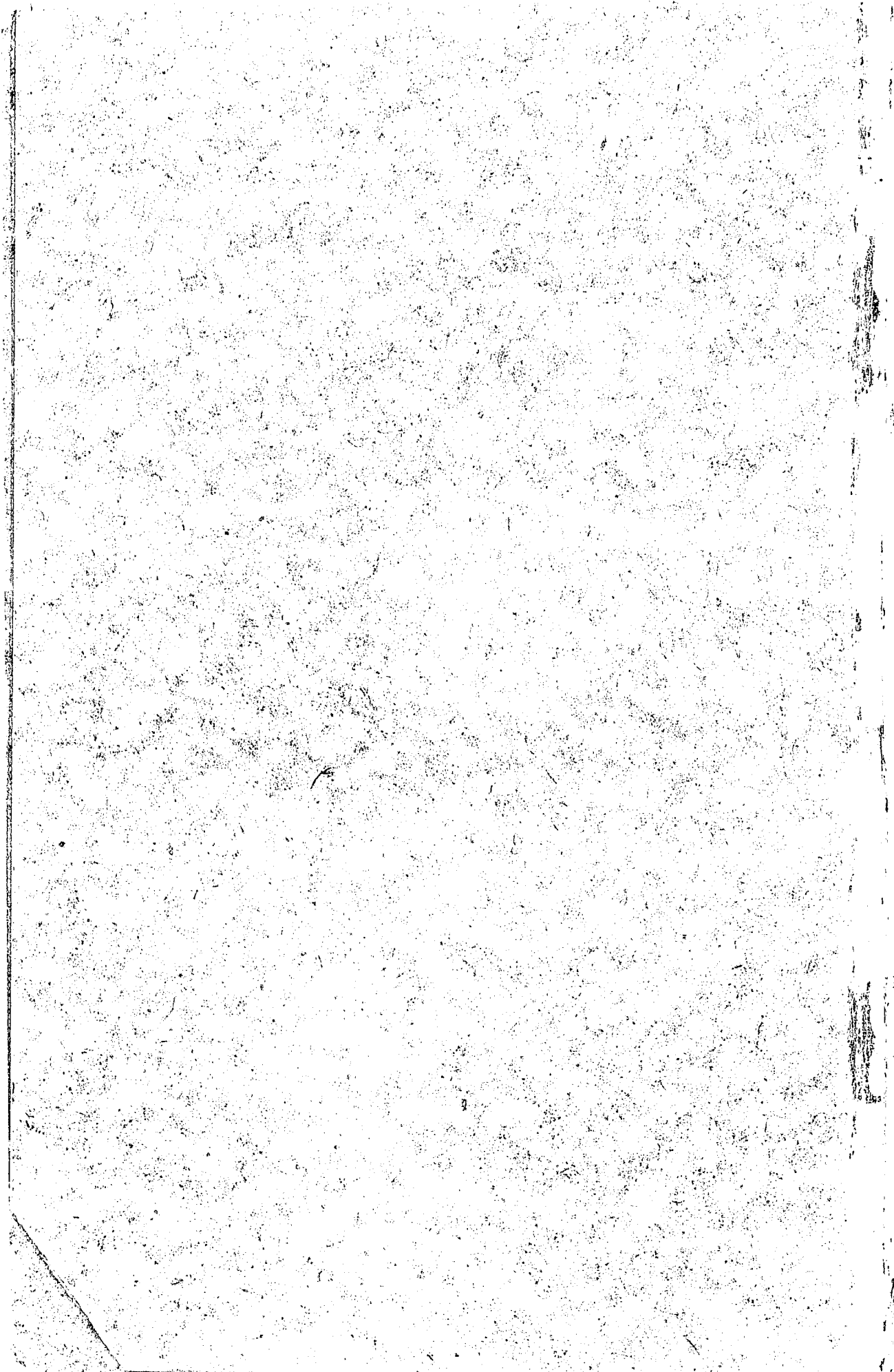
No. 88

REPORT OF THE PRESIDENT  
AND ADMINISTRATIVE OFFICERS

1931-32



*Printed by The University Press*



REPORT OF THE PRESIDENT  
AND ADMINISTRATIVE OFFICERS  
OF  
SHANTUNG CHRISTIAN UNIVERSITY  
1931-32



# Shantung Christian University

(CHEELOO UNIVERSITY)

## President's Report—1931-32

To the Board of Directors and the Board of Governors

*Ladies and Gentlemen,*

**Registration**—At the beginning of the academic year registration became an imminent problem. Graduates of the Medical School were unable to obtain a license to practise because the School was not registered. Graduates of the Schools of Arts and Science were disqualified as teachers on account of non-registration. Several mission middle schools found themselves unable to be registered on account of their having engaged "non-qualified" teachers, graduates of Cheeloo. Conditions such as these made the students feel uneasy because they felt that their future after graduation was not assured. We therefore concentrated our efforts at the beginning of the year on the completion of registration. In spite of many difficulties, owing to the sympathetic attitude of the Central Government authorities, our aim was finally accomplished and the University was duly registered on the 17th of December 1931. There still remain a few matters to be attended to in order to comply with the government's requirements. These are:—

1. The transfer of the property to the direct control of the University. A minute of the Executive Council of the Presbyterian Board passed in March 1924 reads as follows:— "The Board expressed its expectation . . . . to transfer to the University its title to the land in question whenever the University is satisfactorily incorporated; inasmuch as the Board understands that steps are being taken to incorporate the University at the earliest practicable date, it anticipates making such transfer in the near future." If the arrangement contemplated in this minute could be carried out both by the Presbyterian Board and other Boards in whose name the property at present stands, this would be quite satisfactory to the government.

2. The grading of the professors so that variations in the salary scale may not be too great. The apparent variation in the salary scale as between Chinese and western professors is due now largely to the rate of exchange. When the rate of exchange was two to one the difference was very slight. Present conditions are, we trust, only temporary, owing to the world financial crisis. When conditions return to normal it should be possible to fix a rate which will be equitable and satisfactory.

**Rural Programme.** Up to the present the Rural Institute has been under the direction of Dr. C. A. Stanley, who has presented a report of its work, so that that need not be mentioned here. I would, however, take this opportunity of expressing the appreciation of the University for the hard work which he has put in during the period of his directorship of the Rural Institute. With extremely meagre financial backing he has laid the foundations of a very promising piece of work and has accomplished results which are very gratifying. After the end of June the direction of the Rural Institute will be transferred to Dr. A. L. Carson. A programme has been drawn up on the following lines:—

1. The Village Service Centre at Lung Shan will be carried on as an experimental and demonstration centre. So far as possible the different branches of the work will be related to corresponding departments in the University or in cooperating organisations. The Cheeloo Education Department would take charge of the schools and popular education. Health work would be under the Medical College. Religious teaching would be under the direction of the Seminary. The University of Nanking extension representative for Agriculture for this province will make his headquarters at Lung Shan and be directly responsible for helping with farming problems.

2. The work in the nearby villages, begun in the spring of 1930, has expanded to the point where those in charge are asking that a general plan of procedure be drawn up with special reference to voluntary service of students and faculty members, but involving some system of records and some more specific location of responsibility. It may also be advisable to try to locate an experimental rural school in one of these villages to work in close touch with the Department of Education.

3. Other centres in Shantung are also asking for assistance from the University. There are also many possible points of contact. Service to these centres would involve personal visits by members of the faculty, publication of a news-letter, library extension etc.

**Student life in a Stormy Year.** Less than three weeks after the opening of school came the Japanese occupation of Manchuria, which excited students throughout China, their patriotism often carrying them beyond the limits of good discipline. Many of them went down to Nanking and made demonstrations to the central government. Fortunately our students kept within the limits of the law. Cheeloo was the only school in Tsinan which did not send students to Nanking, and everything remained quiet here, though by order of the Provincial Government we closed down the school three weeks earlier than provided for in the school calendar. This time was made up, however, by opening the school two weeks earlier and shortening the spring vacation. At the end of the year the students will not have lost any time for study and everything has gone according to schedule.

**Schools of Arts and Science.** In the Schools of Arts and Science effort has been made to do the maximum of work with the minimum cost; for this credit must be given to Dean Linn. During the past two years he has raised the standard of both these schools and increased the equipment in the Science laboratories and the books in the Library for the use of Arts students. It is largely owing to these improvements that registration has been granted, but unfortunately it has been necessary to exceed the budget in order to carry them out. It is hoped that next year the expenditures may be kept within the limits of the budget.

The Dean has presented a report of these two schools so that it is not necessary to go into details here. There is, however, one matter which must be emphasized.

To a student of Education it would seem to be necessary for the Department of Education to have a practice school, just as the department of Chemistry needs a laboratory. As we have no separate department for psychology the department of education has also assumed the task of teaching psychology. The teaching of psychology needs a laboratory just as the teaching of Biology and Physiology. Education in these

modern times is no longer a matter of metaphysics which can be done on paper. It is more and more becoming a science and needs practical work. Many problems should be solved by experimentation. Both a practice school and a laboratory for psychology are important. With an appropriation of only \$800 a year for this department it is extremely difficult for us to accomplish what we hope to do. We are now making an effort to take over the Chung Te School, formerly run under the auspices of the South Suburb Church, and to convert it into a practice school for this department. Efforts are being made to raise funds for a new school building, which we hope will be complete in a few months. From this time forward the Department of Education will pay more attention to the running of the school. Some practical problems, such as the forms of curricula, and so on, will be subjects for experiment in this practice school. There will also be opportunities for the students to do practice teaching on the one hand, and for the children of faculty members and employees to receive an education on the other. Owing, however, to financial conditions, there will be many difficult problems to be faced in the years to come in this department. Probably little can be done in the coming year but we hope in the future our ideals may be realised.

**Medical School**—This school is known all over the country as second only to P. U. M. C. On a recent visit to Nanking, the new Minister of Education commenting on the high quality of our Medical School, said: "You must devote your time to developing it and it will render great service to China." Thanks are due to the faculty of that School and to Dr. Shields for the high standard of the work there, and the confidence they are winning from the Chinese people. Details of the work of the year are given in the Dean's report.

**The Hospital**—Dr. Heimburger in his report justly calls attention to the need for a new outpatient department. This is obvious to anyone who will pass through the hospital any afternoon and see the poor people crowding on the street and about the gate waiting for treatment. We fully agree with the principle that the hospital should serve the poor, and our desire is that the poor may be more adequately served. There is also great need for an isolation block for contagious diseases, which we do not have at present. We have also only four rooms for private patients, which is far below the demand of a community like this. As

Dr. Heimburger has said in his report, a considerable percentage of patients do not enter the hospital owing to lack of beds. In the light of these facts the Board of Directors a year ago urged the erection of the new hospital, and in January last the Medical Faculty, by a large majority, approved this plan in preference to others. The Administrative Council at its meeting last spring unanimously approved the action of the Medical Faculty. The objection raised is that it would involve higher maintenance costs, and there is at present no hope of raising additional funds owing to financial conditions abroad and in China. It is however suggested that only part of the building should be used for hospital purposes, just so much as could be maintained within the limits of our present resources, in which case no immediate increase in maintenance grant would be necessary. If, after the three years required for the completion of the building, financial conditions have not improved, the part of the new building not used for hospital purposes could be rented out as residences for members of staff or for other purposes, thus bringing in an income which would help in the maintenance. Expert advice on this matter is still to be sought.

**Harvard-Yenching Institute.** Cheeloo, together with some other missionary colleges, is fortunate in receiving help from the Harvard-Yenching Fund. This has enabled us to acquire a good library of Chinese books within recent years, and also to secure the services of good Chinese scholars such as Professor Luan Tiao-fu along the line of philosophy, Professor Hao Li-chuan along the line of Chinese rhetoric, and Professor Shu along the line of Chinese literature. We anticipate that these gentlemen will be able to make some real contributions to Chinese studies in the future, and so greatly strengthen the Department of Chinese.

We are also very fortunate in securing the appointment of the Rev. J. M. Menzies, who is an authority on Chinese archeology and will work with us in the Research Institute. Mr. Menzies comes to us as a representative of the United Church of Canada.

**Augustine Library.** The out-standing event of the year is the completion of the two new stack rooms for books in the Chinese language. In addition to this important improvement, a fire-proof strong room has been constructed in the basement in which to keep the more important

and valuable books. Rather extensive repairs have been necessary in the roof and certain inside walls of the building. These have all been completed well in advance of the wet season.

The number of visits to the library by those using the reading room is about 37,800. The number of books drawn is 13,457, and the calls for reference books have totalled 27,042. The library has been open 303 days. This is less by about 46 days than during the previous year, the decrease being due chiefly to the extended winter vacation resulting from the general student troubles, which did not otherwise affect the University.

Additions to the library have included 51,627 volumes in the Chinese language, and 1,559 in other languages. The library now contains 122,721 volumes Chinese books and 16,749 in other languages.

**University Press.** The output of the University Press for the year ending December 31st 1931 was as follows:—

Envelopes and letter heads . . . . .	271,550
Single sheets printed . . . . .	678,770
Books printed (volumes) . . . . .	18,115
Books rebound . . . . .	602
Pages in printed books . . . . .	503,950
Total number pages printed . . . . .	1,182,720

**Conclusion**—During this year though we have tried to maintain the best of the past, so far as new developments, such as the Rural Programme, are concerned, we are just feeling our way. A little has been done but many things remain only as ideals. From the Treasurer's report it will be seen that grants from several of the supporting boards have been cut. Under these circumstances it may be as much as we can do to maintain the status quo. New work cannot be carried out without increased income, and instead of an increase we are facing a reduction, so that it will be impossible to realise these new schemes in the immediate future. So far as we now see our only hope for making advances lies in a rigid economy. We have already reduced maintenance cost in several ways and we are planning a general survey of all our expenditures with the intention to economize still further.

Respectfully submitted,  
(Signed) KING CHU

Report of the Dean  
Schools of Arts & Science  
1931—1932

When the Colleges of Arts and Science opened in the fall of 1931 nearly all the old students came back to classes. The number of new students was 123, among whom about sixty were special students and part-time ones. The total number of regular students was a little over 200.

The incident of September 18th stirred up the patriotic spirit of all, and news of student activities concerned with this matter came from all parts daily, which made it difficult to continue our work. At that time the Colleges of Arts and Science were closed for two weeks. Classes so missed, were, however, made up before the opening of the Spring term, and the work for the whole year was happily carried out according to plan and syllabus.

**Teaching Staff.** We regret to report the death in January last of Professor Wang Hsi-en, head of the Department of Astronomy and Mathematics. Professor Wang had been serving the Department of Mathematics for 28 years, and he was respected by both faculty and students for his learning and fine character. The loss of such a valuable teacher is a very heavy one for the School of Science.

Another misfortune for the School of Science is that Dr. Chen Hsin-kuo, acting head of the Department of Biology, has been suffering from tuberculosis since the Spring, which has made him unable to carry on his work. His classes were taken over immediately by other members of the staff.

We are fortunate in securing Professor Hao Li Chuan as head of the Department of Chinese, and Dr. Tzu Ping Ju to teach philosophy and logic in the same department. With Professor Hao and Dr. Tzu a better and more extensive arrangement of the courses of study for this department was made possible.

Miss Martha Fenn has been appointed head of the English Department and will soon be coming to China.

Professor Wang Chi Tze, once professor in the Department of Chemistry in this university, is expected to return to the same department in the coming autumn. Professor Wang's learning and experience in teaching have made him a valuable teacher here as well as in other colleges. We are looking forward to welcoming him back to Tsinan.

Mr. Tsui Yung-fu and Mr. Wang Ping Hsiao, who have been doing research work in Yenching for two years, are coming back to their work here next autumn. Mr. Chou Peng-san and Mr. Yu Hung-ao will go to Yenching to study Physics and Chemistry.

Mr. Wei P'ei-hsiu has been granted a Rockefeller Fellowship for study abroad. He will sail next autumn to America to specialise in modern practical Physics in Chicago University for two years. Mr. Wu Ching-huan will take Mr. Wei's place in teaching Physics and Wireless.

**Curriculum**—The empirical stage, in which the curriculum prepared in each department a year ago has been tried out and improved, is nearly over. Except for the addition of new courses, we hope the number of credits and the main courses of study will be stabilised so as to avoid frequent changes which cause inconvenience.

**Equipment**—With the help of a fund granted by the Rockefeller Foundation we have bought ten microscopes.

In order to facilitate the teaching of mineralogy next year we are collecting models and specimens of various minerals.

Apparatus for the teaching of Wireless has been made by the teachers in the Department of Physics.

**Dormitories and Houses**—Improvements in the men's dormitories have been carried out and the heating system altered, as the old system made the rooms too hot to be healthful. The maintenance costs have been reduced as expected. The various sections of the men's dormitories have been linked up with brick walls so that one self-contained court is formed. Rooms for receiving visitors and for servants have also been provided.

We have long been wishing to build a few more houses for teachers, as some of them have been living outside the campus. It has just been decided that three Chinese-style houses are to be built on the east side of the model village.

**School Spirit & Religious Activities**—A stormy year: famine followed by foreign invasion. It is really very hard to expect the young folks to attend to their school work entirely and forget their country and people. Fortunately, most of our students were sensible of the fact that to gather knowledge is one of the best ways of helping their country, and they managed, therefore, to collect funds for the starving and for the soldiers at the front without stopping attendance at classes. This is a proof of good discipline and a hard-working spirit in our students.

Thanks are due many of the teachers for their zeal in helping and directing the students in their religious activities. At the beginning of the session ten Bible Classes were organized, the attendance in these classes varying from three to thirty.

The meeting-place for morning service has been beautifully decorated with pictures. Instead of a different speaker for each morning, which was the previous arrangement for morning prayers, one speaker was asked to lead four mornings in the week so as to allow for a more systematic and comprehensive elucidation of the Bible.

**The Research Institute.** — This year members of the Research Institute have been chiefly engaged in writing books. "The Poetical Works of Lu Shih Heng" and "The Study of Rhetoric" by Professor Hao Li Chuan; and "The History of the Study of the Thirteen Classics" and "Logic" by Professor Luan Tiao Fu, were all published. There are still a few books in the press.

About 40,000 more volumes of Chinese books have been obtained; together with those purchased last year we have now a collection of 100,000 volumes.

We are very glad to report that the Rev. J. M. Menzies is to join us to do research work here on writings on oracles (Bones and shells) on which he is the highest living authority. He will also make a study of early Chinese earthenware. We have arranged to have clerks to help him in arranging materials and copying manuscripts in order to get his works published soon after his arrival in Tsinan.

**Conclusion.**— Plans for work made in the previous year have nearly all materialized. We do not, however, attempt to make such plans for the coming year as we are sure of the difficulty of raising funds. It is

safer for us to concentrate on what we have already done, and make improvements in it. This will, we hope, give a sound foundation on which a sure and steady development of our work will be made.

We intend, however, to do what we can to obtain scholarships for sending a few students to study abroad.

Respectfully submitted  
(Signed) T. I. LINN

*Report of the Dean, School of Medicine  
Cheeloo University*

*For the Year ending June 1932.*

To the Board of Directors:—

*Ladies and Gentlemen,*

It is to be expected that the report of the year's work in Cheeloo shall chronicle the fact that the work has been more or less interrupted and hindered by the occurrence of some event over which we have no control. The session of 1931-32 was affected by the Japanese invasion. The President will deal with the effects of this upon us, and the closing of the University by government orders and not because of the action of Cheeloo students. When it was thought necessary to send our students to their homes, we appealed to the near-by mission hospitals and the local hospitals of alumni to take in those students who lived at a distance, and the response was very gratifying, places being found for all who were in need. However, the period of closure for the Medical School was only three weeks, and lost time was made up by cutting short the holidays and by extending the spring term. With the exception of this, and the natural anxiety felt by all during the attack on Shanghai, the session was marked by the usual routine of lectures, laboratory and clinical work, both teachers and students showing the interest and diligence characteristic of medical schools in general.

**Student Enrolment.** There were enrolled during the year 106 medical students, 87 men and 19 women, this being the largest enrolment for many years. Besides these regular students, we admitted a new class of 18 in Pharmacy, three of whom were women, and we have had four laboratory technician students during the year. For the first time, a regular class in Massage has been given, three students, all graduate nurses, from different parts of the country, having received diplomas in Massage.

There were 21 students in this year's graduating class. Two of these were allowed to take their internship in other hospitals. One of these two, Mr. Kuan Wen Ch'iang, was in the Soochow Methodist Hospital. While convalescing from illness and on a visit to Shanghai, he was taken from a friend's house on January 30th, by Japanese soldiers, and no word

has been heard from him since, so we feel sure that he was killed. I suggest that the M.D. degree be conferred by the Board of Directors upon Mr. Kuan.

The coming interne class is too large for our hospital teaching facilities, as it consists of 29 students, but we have arranged with the P.U.M.C. to take seven of them as internes.

**Student Activities.** During the excitement caused by the Shanghai troubles, the students and nurses were given special instruction in Red Cross work and First Aid, out of regular hours, by some members of the staff.

The Students' Medical Society has continued to meet and to invite special lecturers, usually bi-weekly. In addition to the Staff Journal Club, this year there has been conducted by the clinical teachers a fortnightly Internes' Journal Club which has been very successful in teaching students the use of the Library.

Bible classes have been conducted by certain members of the staff; for students and for workmen. Members of the staff and some students have assisted in conducting ward prayers each morning in the hospital.

Special musical services for Medical School morning chapel have been arranged at different times during the year.

**Athletics.** There have been no athletic meets during the year. Each of the three lower classes has two hours a week of physical drill.

**Staff.** The School of Medicine suffered a great loss in the death of Dr. Wang Hui Wen in July 1931. Dr. Wang graduated here in 1916. After serving for two years in the hospital, he took up Anatomy as his life work and rose from Assistant Instructor to Associate Professor and Acting Head of the department, at the time of his death. He did special work at the P.U.M.C. at two different periods, on Rockefeller Fellowships. Dr. Wang was conscientious and faithful in his duties in the school, and was very active in local church work. The two brain models which he made during his last year's work will serve as a monument to his skilful and painstaking work. He is greatly missed as a teacher and for his Christian influence in the school.

Dr. Chang Chi Hsien, for many years an instructor in the Department of Bacteriology, resigned his position during the year and took up private practice.

We have been fortunate in securing the services of Miss Gilmore as technician in the Department of Bacteriology, for the year, and we regret that she will not be able to continue with us after her year's term has expired.

In February, Dr. Y. T. Hsu came to our Department of Pathology having been connected with the Pathology Department at P.U.M.C. for four years.

Dr. Gordon King, with Mrs. King, also a physician, and their children, arrived in March, to be head of the Department of Obstetrics and Gynecology. Dr. King is a member of the Baptist Missionary Society and has spent three years in Obstetrics and Gynecology at the P.U.M.C.

During the year Drs. Struthers and Ingle, with their families, returned from furlough. Drs. Evans, Smyly and Gault are expected back during the summer. Mr. Pailing left on furlough in the spring and Drs. Scott and Waddell expect to go early in the summer. Dr. Chang Hui Ch'uan has obtained a year's fellowship for study in the United States and leaves in September.

During the autumn, Dr. Gell, with three members of the Nursing Staff, went to help in flood relief work in Hankow for three months. Unfortunately, she contracted a very severe attack of dysentery, followed by malaria, while there, recovery from which was rather slow. As the Union Hospital in Hankow was greatly in need of help, having lost its woman doctor through death, it was decided by the Medical Faculty to accede to the request from the Union Hospital for the loan of Dr. Gell for one year. This loan was made possible by the fact that Dr. King and Dr. Peh were both to be here this year in the Department of Obstetrics and Gynecology, and the outside maternity work has not yet grown to what we expect it to be in a year. The Hospital Superintendent has mentioned in his report this work at the Hou Tsai Men Clinic.

**Public Health Work.** Unfortunately, our hopes for obtaining assistance for public health from the Milbank Fund have not yet materialised. We still hope that help from this fund may be forthcoming when the financial situation in America improves. In spite of our failure to obtain a head of the department of Public Health, work has been carried on during the year by a committee which arranged certain courses, taught



by various members of the staff. The volunteer educational and public health work begun last year in neighbouring villages has been continued, and, in addition, a student and a nurse have given part of their time to this work. The Department of Pediatrics has, during the year, continued to take care of the health of the pupils of the Ch'ung Te Primary School which is connected with the University.

**Visiting Lecturers.** During the spring, two lectures were given to the student body and staff by Dr. Yuan I Ching, of Peiping, on Public Health Statistics, and five lectures by Dr. J. P. Maxwell on Obstetrics. We hope to have annually a series of exchange lectures in this department, Dr. Maxwell coming to Cheeloo and Dr. King going to the P.U.M.C. for the purpose.

**Visitors.** During the spring, Drs. Houghton and Emerson, of the Laymen's Commission, visited the Medical School, and, at different times during the year other people interested in medical education have also paid us visits.

**Registration.** The President will take up in his report the important matter of the receiving of government registration.

**Council on Publication.** The following report of the work of the Council on Publication of the China Medical Association is submitted by Dr. McAll, the Editorial Secretary.

Apart from Dr. McAll and the Chinese staff of the Translation Bureau who give their whole time to translation work, several members of the staff of the School of Medicine give part time to this work.

During the past year the following books have been finished and printed:—

Revision of Stitt's Bacteriology  
" " " Parasitology (Dr. Shields)  
" " Diseases of the Skin (Dr. Heimburger)

Work has also been done on the following books which are preparing for the press:—

Care & Feeding of Children (Dr. Scott)  
Practical Blood Work, etc. (Dr. Kiang)  
Delafield & Prudden's Pathology (Dr. Hou)

New translation Rose & Carless' Surgery (Dr. Ingle)  
Cameron's Biochemistry (Mr. Li Tsan Wen)

The whole-time members have been working on Eden & Holland's Obstetrics.

Holt's Diseases of Children (in conjunction with Dr. Gillison)  
Chinese Reader for Language Students.

Various other books have recently been published by the Council, but have less intimate connection with the Tsinan Translation Bureau.

Valuable blocks and "shells" belonging to the Council on Publication, which were at the Commercial Press, Shanghai, at the time of the fighting in February, were destroyed, as well as a number of bound and partially bound books in the hands of other printers.

For 11 years (1921-31 inclusive) the School of Medicine issued the Tsinan Medical Review, 42 numbers in all. For a long time, efforts have been made to produce a bigger and better medical journal in Chinese. At the close of 1931, this resulted in the amalgamation of the T.M.H. and the National Medical Journal, which is to publish six numbers a year and will give space in each for reviews of current medical literature and other articles to be prepared by the Translation Bureau. Drs. Hou and McAll are on the Editorial Board. It is a matter for satisfaction that material prepared from here will now have a much wider circulation than was possible before.

**Finances.** The Treasurer's Report will show that the Medical School and Hospital together show a surplus. This is due to the fact that, of the ten bodies contributing to the School of Medicine, only four have made actual reductions in their grants, the grants of the others, on account of the very high exchange value of gold, being increased over the estimated budget. Especially is this true of the grant from the Rockefeller Foundation which is made half in gold and half in silver. The expenditures of the hospital for this year will be over 20% more than estimated, but the receipts will also be over 20% above estimates, so that there will be no loss. In connection with this, I should like to call the attention of the Board to two facts that are well known:—

(1) the running of a teaching hospital, proportionate to the number of beds, is more expensive than the running of an ordinary hospital;



(2) that, in forcing mission hospitals to more or less self-support, the mission boards are making them cater more and more to the rich and neglect the poor.

The question of finance is intimately connected with the present and future needs of the School of Medicine, to which I would call your attention.

**Needs.** We need men to act as heads of the departments of Anatomy, Bacteriology, Public Health, Ophthalmology and Radiology. The School could not, with its present income, manage to pay the salaries of all such men, even if they were available, and the present financial situation in England and the U. S. A. gives us no hope for any increase of grants from mission boards. In fact, we are promised decreased appropriations from some boards, and I think there is no ground to hope for help from China at present.

Dr. Heimburger has taken up the question of the proposed building of the new hospital. Purely from the standpoint of the better teaching of our students, we badly need increased space in the Out-patient Department; facilities for isolating contagious diseases and tuberculosis cases are greatly needed, not only for the ordinary patients, but specially, I am sorry to say, to care for our own Cheeloo staff and students. I had hoped that a workable plan had been devised which was approved by our Board of Governors last winter, but the action of the faculty, and of this Board of Directors, in asking for permission to build the whole hospital instead of only a part, has probably postponed indefinitely any relief of the present congested situation. We have not felt authorised to go ahead with any building programme, except that of the power house, and the location of this building is being held up until we hear definitely from New York in regard to the new hospital. The boilers and dynamo for the new power house have already been ordered.

Respectfully submitted,  
R. T. SHIELDS.

## Report of the Dean of Women

### Cheeloo University

1931-1932

To the Board of Directors:

*Ladies and Gentlemen,*

During the past few years, as we have reported, the work of our school has been disturbed by either internal or external incidents. The serious Japanese military invasion of the three eastern provinces of China and the destruction of life and property in Tientsin and Shanghai made the blood of the students boil. In spite of local disturbance, owing to student organizations demanding a trip to Nanking to influence the Central Government to use force with Japan, our students quietly, patiently, systematically and courageously went on with constructive work. Our girls also contributed their time and thought to this particular work. For special reasons our school, as well as the other schools in the province, had to be closed for over a month in December. Our girls had to leave the dormitory and go back to their respective homes. There were about thirty girls whose homes were too far away, so they were taken into the homes of both Chinese and foreign faculty members. Although there have been these times of anxiety yet we had a year's work with unexpected success and joy.

**Enrolment**—We are very much pleased with the increase of women students this year. Every year we have many letters on file asking for women graduates from all three schools. Now that our school is registered there will no doubt be a large enrolment this fall. We certainly hope that in the near future we shall have women graduates to meet these demands. Of actual university students there were seventy-two women in residence during the autumn semester, and sixty-four during the spring, divided among the schools as follows:—

	Autumn 1931	Spring 1932
School of Medicine . . . . .	19	19
" " Science . . . . .	22	19
" " " special students . . . . .	4	2
" " Arts . . . . .	13	11
" " " special students . . . . .	11	10
" " Pharmacy . . . . .	3	3
Total	72	64

There was also one graduate nurse from a Canton mission hospital who has taken a six months course in massage during the year.

**Women Graduates.** There are five women students to graduate in June from the School of Medicine, and four from the School of Arts. Two finished their work in February 1932. Both of them are now teaching in Kuang Wen Middle School at Weihsien, Shantung.

**Religious and Social Life.** The Bible Classes arranged for this term are more in number than last term so that students can choose more freely. Any student of any college can join any one of these classes. special discussions and lectures have been given on Sunday afternoons. The only religious organization among the girls is the Y. W. C. A. The membership is small but the spirit is good.

The social activities include clubs, class meetings etc. Through these relationships we hope that both men and women may have an opportunity of better mutual understanding, and that a right attitude and higher ideals of friendship between men and women might be formed during their college life. The spirit of cooperation, the power of self-control, self-respect and the development of personality are the ends which we hope to achieve. Our students are going to be leaders of society, after they leave college. We know that learning from books does not necessarily make a successful life. This is the very reason we feel it an opportunity and joy to help and guide our girls in the right direction toward more beautiful and worthwhile lives.

**Student Activities.** 1. *The Student Self-government Society* takes charge of the students' kitchen and supervises the carrying out of the dormitory rules. At the same time these are also under the supervision of the Dean of Women.

2. *Athletics.* In previous years our girls have not been especially keen about athletics, but since last year they are very much interested in physical training. The most favoured games are tennis and basket-ball. During the year our girls have competed against nearly all the girls' schools in Tsinan, and won the championship.

3. *Outside Activities.* Quite a number of our girls go out daily by twos to teach in a little country school which was started by Dr. Waddell. We have a night school also for University employees which is under the supervision of the students. Several of the girls are teachers in this

school. At the close of the school year prizes were given to the best students in this employees class where there were thirty or more enrolled. Four of them, one of whom was a woman, received prizes.

**Leonard Hall—**We have always enjoyed quiet hours for study until last winter when the digging of the ditch was begun. Since then we have been disturbed by the squeaking of wheel-barrows and the voices of workmen. Had we not scientific methods of keeping hold of ourselves we would either have gone crazy or had nervous breakdowns. But out of these chaotic and annoying conditions the best results have emerged. We used to be proud of the pretty stone wall on the north side of the dormitory, but we also felt sometimes a lack of privacy, as people constantly passing on the street could see into the unwalled part of the grounds. Now the new wall which has just been finished is a protection from thieves and also adds dignity to the grounds.

We not only suffered from conditions on the north side of our yard but were distressed by the untidiness of the south yard. With the soil from the big ditch we have filled in the uneven places in the garden and have made a beautiful spot of it. With the levelling of the ground, the stone tables and benches which were set up last year, the recently built brick walk, the new evergreen hedge and many pretty flowers, the grounds around the Hall have been greatly improved. The girls may now go out to the garden with their books and mingle their thoughts with the beauty of nature.

**Expansion of Leonard Hall—**The present dormitory was built to accommodate only fifty-five students, but we have filled it to its utmost capacity with sixty students this year. Since we have registered our school there is no doubt that we shall have more girls next year. As we have not sufficient money to build another dormitory this year we plan to use the money which we have on hand to expand Leonard Hall for the accommodation of thirty more students. We are planning to provide for a total of ninety girls this fall. In view of future developments of women's work we very much hope that a special fund for a new dormitory will be appropriated.

Respectfully submitted  
(Signed) L. H. L. YUI

## Registrar's Office Report

for the year ending June 1932

To the Board of Directors:—

**Total Number of Students.** The total number of students in the fall of 1931 was 366, of whom 253 were men and 113 women. Divided among the schools the figures were as follows:—

Arts . . . . .	98
Science . . . . .	103
Medicine . . . . .	106
Pharmacy . . . . .	18
Nursing . . . . .	41

In the spring semester 1932 the total number of students was 354, of whom 249 were men and 105 women, divided as follows:—

Arts . . . . .	94
Science . . . . .	97
Medicine . . . . .	106
Pharmacy . . . . .	17
Nursing . . . . .	40

**Candidates for Entrance Examination.** The total number of candidates taking the Entrance examination was as follows:—

	Arts	Science	Medicine
Candidates . . . . .	49	111	9
Accepted . . . . .	23	46	5

The total number of students in 1st year medicine was 22, 17 of whom completed the regular pre-medical course in the School of Science with a satisfactory percentage, and were allowed to enter the Medical School without examination. The candidates for the medical entrance examination were 9, four of whom were from other schools and five from our own.

**Students Accepted by Transfer and Special Students.** Two students were received into the 2nd year Arts course by transfer from other schools, and 13 special students were received into the 1st year Arts course. (These special students who were accepted without regular examination

can become regular students if they pass the entrance examination within one year. From the beginning of 1932, however, no further special students will be accepted). In the College of Science one student was accepted by transfer into the 2nd year course, four freshmen from other schools, and seven special students.

**Part-time Students.** In the fall of 1931 the College of Arts accepted 29 part-time students, and the College of Science 8. In the spring of 1932 the College of Arts accepted 7 new part-time students but twelve of those enrolled in the autumn did not return.

**Number of Christian Students.** Of the total number of students in the fall term 1931, viz. 325 (excluding nurses) 271 were Christians, that is, 83 per cent.

**Graduating classes of 1932.** The students who are expected to graduate in the summer of 1932 are as follows:—

	Men	Women	Total
College of Arts . . . . .	8	3	11
" " Science . . . . .	2		2
" " Medicine . . . . .	16	5	21
School of Nursing . . . . .		6	6
Totals	26	14	40

**Publications.** For the Schools of Arts and Science there have been printed 1500 copies of regulations for candidates, and 1500 copies of the catalogue, both in Chinese. For the School of Medicine 500 copies of the Catalogue in Chinese and 500 in English have been published.

**Temporary Regulations regarding recommendation of students from Senior Middle Schools.** Two years ago the University abolished the practice of receiving students by recommendation from Senior Middle Schools. This year, however, on account of requirements in other schools, the Executive Council decided to renew some of the old rules and continue to recognise some of the Senior Middle Schools which were formerly acknowledged by the University, and in addition senior schools which are already registered with the Government. Students recommended by these schools will be accepted on trial for one year and the results noted. Such recommended students will not however be entirely exempted from

examination: A special examination in Chinese and English must be passed, particulars of which are contained in a separate sheet. The Schools which have applied anew and are recognised by the University as qualified to recommend students for consideration are as follows:—

Hui Wen Middle School, Peiping		
Pei Man	"	"
Yu Ying Nu	"	"
Chung Shih	"	"
Mu Cheng	"	"
Chung Teh	"	"
Lu Ho	"	Tunghsien
Hui Wen	"	Tientsin
Chung Si	"	"
Ming Hsien	"	Taikuhsien
Ming Yi	"	Fenyang
Po Wen	"	Wuchang

**Students' and Graduates' Records.** In accordance with Regulation No. 8 of the Board of Education all privately established schools which are registered with the government must have first, a list of students, secondly, detailed records for each year of study, including the year of graduation, thirdly, each student must have a copy of his records and his diploma, with a recent photograph attached, sent to the Ministry of Education for recognition. As these various procedures will take a considerable period of time, we have first concentrated on completing the records of the 34 students who will graduate from the Colleges of Arts, Science and Medicine this year, together with their diplomas before coming to the University, and also a list of the names of 23 students in the Colleges of Arts, Science and Medicine who graduated in 1931, with their school records and diplomas. These have been sent to the Ministry of Education with the application for permission to graduate. We are now busily working on the records of the students in the different years, and those of old graduates.

Respectfully submitted  
(Signed) W. F. FU.

### Report of the Medical Director of the University Hospital and Outpatient Department

July, 1, 1931—May 1, 1932

To the Board of Directors,  
Cheeloo University.

Ladies and Gentlemen,

The following report of the University Hospital for the ten months from July 1st, 1931 to May 1st, 1932 is respectfully submitted.

**Structural Changes.** Certain changes have just been completed which we hope will add to the efficiency and convenience of the Hospital and Out-patient Department, in serving the patients who come to us for treatment. Since the closing of the old front gate of the Hospital over two years ago and the opening of a temporary gate to the east of the Hospital, facing the junction of the two streets which lead to the Hospital, we have felt that a decided improvement has been made in the admission of public ward patients through this eastern entrance. We have now moved the old gate, to replace the temporary wooden gate we had erected, and have closed the O. P. D. gate, thereby making one entrance to the Hospital premises. By doing away with the old front entrance, the lobby has been made into a room of sufficient size to contain all the current records of the Hospital, leaving enough space for the Record Librarian's desk and chair. The former Record Room has been given to the doctors as a place in which to hold meetings, complete the histories of discharged patients, and have consultations without interruptions. A cloak room has been provided for the doctors, and the former doctors' cloak room given over to the nurses as a combination cloak and rest room. The corridor in the administrative unit will now be of sufficient privacy to be used as a private patients' waiting room.

In the east end of the basement, provision is being made for the registration of O.P.D. patients. This will bring all our important records into one building and will lead to a concentration of record clerks and office personnel which ought to help during periods of illness or vacation among this staff.

**Changes in the Medical and Nursing Staffs.** During the year, we have been glad to welcome Drs. Struthers and Ingle back from furlough.

Two new members have been added to the Staff: Dr. Gordon King, formerly of the P.U.M.C., to the department of Obstetrics and Gynecology, and Dr. Y.C. Hsi, in the Dental Clinic.

Dr. Smyly has been on furlough in England during the year and Mr. Pailing and Miss Reade left on furlough during the spring, which absence, together with the loan of Dr. Gell to the Union Hospital, Hankow and the marriage of Miss Cora Hoffman, have made great gaps in our staff.

**Professional Standing Orders.** The English edition of this handbook was printed and delivered to the Professional Staff in January. The Chinese edition has just been received and a copy is being given to each member of the nursing and resident staff.

**Hou Tsai Men Obstetrical Clinic.** On December 1st of last year a clinic for midwifery was opened on Hou Tsai Men Street. For many years the need for such a clinic has been felt, but, on account of insufficient staff, no attempt has been made to commence the work. Last fall we were able to obtain an option on part of the property owned by the Southern Baptist Mission on Hou Tsai Men Street. This property was repaired and put into livable condition, so that the work has now been started, of course, on a small scale at first, but we have hope that it will enlarge as the confidence of the people is gained. Through the co-operation of the Presbyterian Mission in the East Suburb, the services of Miss Madelaire, a trained midwife, have been obtained, and Miss Liu, a graduate of our Nurses Training School, is helping also. Dr. Esther Peh is in charge of the work and holds a daily clinic for women. Eventually this place will be used to train medical students and nurses in the handling of obstetrical cases in the patients' own homes.

#### Service Rendered.

*Ten months beginning July, 1, 1931.*

<i>In-patients</i>	1929	1930	1931
Patients remaining in hospital July 1	94	80	27
Patients admitted during 10 months	1295	1420	1364
Births during 10 months	112	108	135
Total patients treated	1505	1608	1596

*Ten months beginning July 1, 1931.*

	1929	1930	1931
Patients discharged during ten months	1327	1398	1405
Deaths during 10 months	94	110	91
Patients remaining in hospital	80	100	100
Total patient day's care	25439	26361	27430
Normal bed capacity	104	107	109
Maximum census during 10 months	106	106	105
Minimum census during 10 months	6	55	59
Average daily census	85	87	90
Percentage of bed occupancy	81	81	82.5
Average patient's stay in hospital (days)	16.9	16.4	17.1
Number of deaths within 48 hours	30	46	38
Number of deaths, institutional	64	64	53
Mortality rate (excluding 48 hr.)	4.4%	4.2%	3.5%
Autopsies—number	44	32	19
Operations—major	271	233	245
Operations—minor	488	535	508
Total Hospital operating expense	\$83604.08	\$75841.56	\$96064.05
Per diem per capita cost	\$ 3.30	\$ 2.88	\$ 3.50

#### *Out-patients.*

Number of visits to O.P.D.	46486	48520	56928
Number of new patients	13154	13193	15703
Number of return visits	33332	33327	41225
Total out-patient operating expense	\$5323.01	6776.70	10606.36
Average cost per visit	\$.11	\$.14	\$.186

The 1929 items date from July 1st to June 31st, 1930, but because of the employees' strike closing the Hospital for January and February, this is taken as a representative period of ten months. The 1930 and 1931 items extend from July 1st to May 1st.

The above figures are self explanatory, but I would like to draw attention to the following points:—

(1) Although the total number of patients treated is less than last year, the cost of treatment is considerably greater.

(2) The average stay in the hospital of the patient has been increased; which means that either more severe cases are being taken into the Hospital or that more chronic cases are being admitted: the latter is the case. There are several cases in the Hospital at the writing of this report which have been here nearly a year, or more. In order to release beds for those acute cases which need Hospital attention, chronic cases should not be kept in the Hospital, especially if we are to have a general hospital for acute diseases. During the past year we have been keeping a record of those cases which have been recommended for admission by the doctor but which have failed to gain admission. Of the 1593 recommendations issued by the doctors, 229 patients failed to enter the Hospital. This number constitutes about 14% of those patients to whom hospital care would have been valuable. In analysing this 14%, we find that 70% were told on their first visit that there was no empty bed, and no second visit was made; 11% had financial difficulties, so did not return, 8% could find no guarantor and 9% did not return after the first visit, the reason not being known.

What bearing does this have on the Hospital? To me, it gives added emphasis to the desirability of a gradual expansion of hospital accommodation, rather than a 120% addition immediately. This, along with the gradually increasing cost of hospital care, the recent cuts in all appropriations by co-operating agencies, and the inability to organize and operate efficiently the present hospital, through lack of any stated policy by a Board of Directors or Trustees and through insufficient and inefficient administrative personnel, has convinced me that the building of the new hospital as planned would be foolish, if not suicidal.

#### Financial Statement

Ten months beginning July 1st.

Income	1929	1930	1931
Board of pay patients	\$ 2780.61	\$ 2446.76	\$ 2978.70
Board of part-pay patients	18503.69	24510.36	26820.57
Donations (money, supplies)	7446.87	4723.59	2493.30
Miscellaneous (rents, etc.)	137.50	1088.74	592.50
Nursing School tuition	250.00	385.00	1411.50
Out-patient receipts	25093.00	25123.61	36755.43
Total receipts	54211.67	58278.06	71052.00
From Medical School	28173.00	22183.00	29968.33
Grand Total Income	\$ 82384.67	80461.06	101020.33

#### Expenditures

For Hospital	\$ 83604.08	75841.56	96064.05
For Out-patient Dept.	5323.01	6776.70	10606.36
Total expenditures	88927.09	82618.26	106670.41

#### Department of Nursing and Training School for Nurses.

The enrolment of the School of Nursing during the past year has been as follows:—

Class of 1928	—	7	students
" "	1929	—	6 "
" "	1930	—	7 "
" "	1931	—	21 "

The four students of the 1931 graduating class who failed to pass the National Nurses' Association examination have made up their work and received their diplomas. Of the 1932 class of seven, two failed to pass the National examination in Anatomy and Physiology. The other five will receive their diplomas on June 21st.

**Staff.** We have lost from the staff during the year, by marriage, one head nurse and one supervisor. 20 months of general duty have been secured from graduate nurses, varying from one to five months each. Miss Wang Hsuan Yun was employed on September 1st, 1931, as Head Nurse in the Operating Room and Miss Han Feng Ying, on September 15th as Night Supervisor. Three men nurses, graduates of the London Mission Hospital, Tientsin, are receiving six months post-graduate experience. These men all expect to return to the staff of their own hospital.

In September 1931, Miss Reade, from the teaching staff and Misses Hsu Tso Hua and Li Hsing Chun were loaned for flood relief work in Hankow and vicinity. This, of course, meant that our Public Health work was suspended during the four months of their absence.

The full time of one instructor has been given this year to the Practical Nursing instruction of the first year class, and with the supervision of their practice on the wards, she has been kept busy.

Eight graduate nurses were ill and off duty 141 days during the year. This is not as good a record as that of the student nurses, 42 of whom were off duty for 102 days of illness.



Word has been received that Miss Rosa Rell will probably be appointed by the Presbyterian Board (North) to our staff in September. We are asking the Women's Foreign Missionary Society of the Methodist Church to send another representative to take the place of Miss Hoffman.

Miss Lei, who came to us as Matron of the Students' Dormitory on June 1st last year, has done much to make a home for the girls and to help with their problems.

#### *Hospital Needs.*

**Structural.** We are glad that our expectations of a new boiler and engine house to be completed in time for the winter months are soon to be realised. This fills the first need mentioned in our report of last year. Two Babcock & Wilcox high pressure steam boilers have been ordered from England and a steam driven 25 kw. Borzig engine and dynamo ordered from Germany. These orders have been placed through the authorization of the Board of Governors. For the time being, we have decided to continue with the present method of handling laundry, although the system is not ideal, especially in winter and on rainy days. We wish to call your attention to the following items which are sorely needed:—

1. A more commodious out-patient department.
2. An isolation unit for contagious diseases.
3. A 20% increase in ward beds.
4. Four or five semi-private rooms for the accommodation of patients of moderate means.
5. More adequate space for the Nurses Training School.
6. A refrigeration plant or individual electric refrigeration units.

To my mind, the suggestion contained under "Structural Needs of the Hospital" in the report of last year would be the way to solve the first five of these needs and be sufficient for the present staff to handle. An alternative suggestion has been offered during the year and passed on by the Board of Governors in New York, that is, to erect one wing of the proposed new hospital building, to provide accommodation for the O.P.D., extra ward beds, a few private or semi-private rooms and possibly make some provision for contagious diseases. If either of these suggestions had been carried out, we should have been ready to occupy new quarters by

this time next year. As it is now, it will be several years before we have any increased bed space, simply because, after we get the consent of the donors of the money for building the new hospital, change will have to be made in the plans as now drawn, and these must be submitted to the New York Boards, after which work can be started.

The arguments put forth last year by the writer regarding a gradual expansion rather than the building of the entire new hospital at this time have been strengthened rather than weakened during this year's study.

A glance at the expense side of the financial statement will show that the estimated cost of \$1000 per bed per year has increased to approximately \$1100 during the past year. This increase in expense has been met in part by an increase in receipts, but it is my feeling that soon we are going to reach the limit of what the patient can pay for hospital services, and then other methods of bringing in money must be devised. With the average cost to the patient of \$1.05 per day during the past ten months, compared with 52½ cts. in 1929 and 98 cents in 1930, I often wonder when we are going to defeat our end, in catering to a class of patients who will resent the participation of the medical students and student nurses in their care. Many of our staff have often remarked on the changing character of our ward patients, which has been very noticeable during the past two years. The merchant and better-off patient is replacing the ordinary coolie and small farmer.

**Personnel.** The dietitian mentioned as of first importance last year is still in the foreground of our needs. Miss Rosa Bell, now under appointment by the Presbyterian Mission who, we hope, will be appointed to the University Hospital, is much interested in diets, but she will have many other duties which will prevent her from spending the necessary time for dietetic work in the Hospital. So we are still very anxious to obtain the services of a dietitian. The next most urgently needed person is an assistant to the Medical Director. With the furlough of the latter coming in 1934, this need is more urgent than it was last year. If an inexperienced person is found, either from the alumni or from the other sources, a year and a half of training is not too much for such a position. So we urge that every attempt be made to find such a person as soon as possible.

The need of more nurses qualified to act as supervisors, instructors and in executive positions is still before us. Although Miss Bell is, in all probability, coming to us this fall, the vacancy occasioned by the marriage of Miss Hoffman is still present. With Miss Wilson and Mrs. Price going on furlough very soon, the nursing staff is well below the standard which was set many years ago.

**Administrative Policy.** For the past three years, I have had an opportunity to study the problems of the Hospital in an intensive way and have been thoroughly convinced that many of the troublesome experiences which the executive officers have to face daily would find an easier solution if a definite line of procedure as to the operation of the Hospital's component units and the establishment of the administrative officer's authority were stated by the body which is responsible for the operation of the Hospital. No statement of this sort is extant, if it ever has been printed.

There is no debating the fact that an organization without centralized responsibility and authority cannot function correctly. In the case of the hospital this centralized authority must be the Medical Director. In order to establish this responsibility and authority, it is the duty of the Board of Directors of the hospital to formulate the policies of the Hospital in general terms, incorporating in a general way rules and regulations regarding the final governing authority of the Hospital, the membership of the Board, appointment of the medical director, medical staff, nursing staff, etc. None of these matters, as far as the University Hospital is concerned has ever been attended to, and, in consequence, the administrative affairs of the Hospital are slowly but surely drifting to a crisis. This condition in all probability can be remedied if a responsible Board of Directors undertakes to become a fully interested, sympathetic, properly functioning policy-forming group.

In the light of these years of experience and observation, I have come to realize that the position of medical director is considered not to be one of authority but a position under the complete control of each individual member of the medical and surgical staff, with full responsibility for the odds and ends which are bothersome; in other words, as has been stated in meetings, the administrative officer of the Hospital is "the servant of the Medical Faculty" and anything other than that is "a too exalted idea of the position".

According to current thought, the authority for the policies of the Hospital rests with the attending staff of the Hospital, plus the members of the Medical Faculty not engaged in clinical work in the hospital, or, as it works out in reality, the final authority for all Hospital procedure rests with a group within the operating plant which can only see things from one standpoint, i. e., medical education. According to all modern administrative policy, such organization is extremely poor and has been discarded as unworkable many years ago in western countries.

Not only is the present control of the Hospital very inefficient, but it adds unnecessary hardships to the administrative officer of the Hospital. Therefore, I would suggest that, at this meeting of the Board of Directors of the Cheeloo University, this very important question be thoroughly discussed and acted upon.

As a first step, if I may be allowed to make suggestions, towards efficiency in the Hospital, three matters should be considered:—

1. A Board of Directors or Trustees for the Hospital.
2. Operating policies.
3. Administrative control.

With several years of experience in hospital administration behind me, I would suggest that, for the present, the Board of Directors of the Cheeloo University act as the Board of Trustees of the University Hospital, and that this body appoint a Hospital Interim Executive Committee from its members, preferably three or four living in the vicinity of Tsinan. Secondly, I suggest that this Board of Trustees appoint a medical director for the Hospital, in whom they have the utmost confidence, who will be responsible to the Board of Trustees and the Hospital Interim Executive Committee alone for carrying out the policies laid down by the Board, will bring to the Board the demands and desires of the personnel of the Hospital and will have full administrative authority for the operation of the hospital. Lastly, after the above items have been attended to, I suggest that a committee be appointed to draw up a constitution and by-laws governing the policies of the Hospital. After approval, these shall be printed and circulated.

The ultimate Board of Trustees of the Hospital need not be constituted as the present Board of Directors of the University. I believe that a complete separation will eventually take place, because we shall



seek sooner or later for this Board of Trustees men of influence and good character in the community, not necessarily connected with the University, whose support and goodwill we need, in order to enjoy the close co-operation of the community which every hospital must have.

Some of you may be surprised at this desire to separate the Hospital from the University. If you will consider the matter, are not the two united in our minds only? The University is, and should be, concerned primarily with academic matters and policies alone, whereas, in the mind of the writer, the Hospital should be primarily concerned with community health problems and secondarily with educational work of a very different kind from that given in the University classrooms and laboratories. As in Western lands, the Hospital can be closely affiliated with the Medical School, and there will be no more difference in the co-operation between the two than there is at present but the administrative control of the Hospital will be direct, unified and centralized.

In order to bring these questions before you without embarrassment or hindrance of any sort, I shall ask you to consider the Hospital as though there were a vacancy for the position of medical director and the present incumbent were merely acting in that capacity until the Board of Trustees of the Hospital convenes and makes a legal appointment to that position and begins to formulate a constitution and by-laws for the Hospital. The first move in this direction can be done at the present meeting of the Board of Directors of Cheeloo University. Therefore it is greatly desired that you give this matter your prompt and serious consideration.

L. F. Heimburger,  
Medical Director.

## Preliminary Financial Report

1931—1932

As the financial year does not end till June 30th it is impossible at this time to make a complete financial report. The forecast given below is based on the actual financial standing on May 31st and estimated receipts and expenditures for June. The complete report should be available on July 15th.

**Receipts.** The receipts from Mission Boards will have been received in full with the following exceptions:—

The Baptist Missionary Society has reduced its grant for Jan.-June 1932 by 25 per cent.

The United Church of Canada Mission has reduced its grant for Jan. to June 1932 by 15 per cent. However as this grant is paid in gold the receipts for the entire year have amounted to more in local currency than the amounts shown in the budget.

The Society for the Propagation of the Gospel reduced its grant to the Schools of Arts and Science last year by 7½ per cent.

The American Presbyterian Mission South has reduced its grant by about 35 per cent.

Receipts from tuition fees have been a little less than the budget figures—Budget, \$25,204; actual, \$24,899.

**General Administration.** The general administration account, on the basis of the standing June 1st and the estimated expenses for June, will show a deficit of approximately \$5,000. In view of the fact that the budget was adopted with a deficit of \$6,000 and the additional fact that about \$2,500 (not budgeted) has been spent on the wall in connection with the drainage ditch, this really shows a saving of \$3,500 on expenses as compared with the budget. It will probably be possible to meet this deficit from savings on exchange.

**Arts & Science.** The most serious financial problem is that of the Schools of Arts and Science. On the basis of the statement of June 1st and the addition of absolutely necessary expenses for June the expenditures will amount to \$74,800, or \$17,300 more than the amount of the budget, an excess of 30%.

The receipts, on the other hand, will amount to just about the budget figure (Budget \$57,528; actual \$57,418). This shows a deficit for this year of \$17,400. To apply on this there is a credit balance from 1930-31 of \$5,653, which still leaves almost \$12,000 unprovided for.

**Medicine**—Assuming the expenses for the Medical School for June to be the average of those for the last four months, the actual expenses for the year will meet the budget almost to the dollar (Budget, \$105,266; Actual, \$105,240). The income, however, will show a considerable increase over the budget, due largely to the rate of exchange on the Gold \$10,000 from the Rockeller Foundation, making the income from this source \$62,378 instead of \$50,000 as budgeted. The total income will be something in excess of \$115,000, about \$10,000 more than the budget.

**Hospital**—Assuming the expenses and receipts of the Hospital for June to be the same as the average of the last four months, the total expenses will be \$128,663, and the total receipts \$88,131, making a deficit of \$38,432. \$35,926 of this is provided for in the Medical School budget, which would make the probable net deficit \$2,500. It is probable, however, that there will be a considerable decrease in the expenses this month so that this deficit may be avoided or even converted into a small credit balance.

**Hall Estate**—The receipts from this source for the current year amount to \$19,957, and the amounts assigned to departments by the budget are \$16,000, leaving a credit balance of \$3,975.

**Harvard-Yenching Research Institute**—Receipts for the year amount to \$44,625 and expenses \$40,654, leaving a credit balance of \$3,971. The credits on these two funds, in addition to substantial credit balances from 1930-31 as shown on the treasurer's report for that year, have made it possible to carry on the work of the entire institution without serious financial embarrassment which otherwise would have occurred on account of the reductions in receipts referred to above.

The treasurer desires to record his appreciation of the hearty co-operation of the other administrative officers of the University in dealing with the financial problems of the year.

Respectfully submitted  
(Signed) H. P. LAIR  
Treasurer.

## Report of Rural Institute 1931-1932

To the Board of Directors

*Ladies and Gentlemen,*

The work at Lung Shan has gone along very much as in the period previous to the last annual report, though our whole program has suffered due to the inability to give it adequate supervision and direction and to one of those seemingly unavoidable changes in personnel which inevitably affect to some extent the continuity of such projects. In spite of the above the routine work of the Community Center has gone along smoothly and we can at least assure ourselves that while we may have lost some headway we have not lost ground, in what we are trying to accomplish in this place.

Mr. Wang Kuan-san who had been in charge at Lung Shan for several years, after having put off the decision for six months finally decided to accept an invitation to take up work in Fenchow, Shansi and left us at the close of the year 1931. Mr. Li K'ang, who had been working with Mr. Wang for several years, was asked to carry on until such time as the supervision and responsibility for the work of the Rural Institute was transferred to the University. One member was added to the staff on a short term for six months in order to fill out the work of the year.

Our second agricultural fair was held in the fall and was well worth while, though it was not so successful in numbers attending as the one last year, due to the suspension of the usual market fair which brings great crowds to the village.

With the building of new premises for the village schools in Lungshan it seemed best to move our school for boys to some place where it was more needed and in the fall we moved the school to Yu Chia Chwang a village about four miles distant, where we have had a good attendance and have been able to profit by increased financial support over what we were receiving in Lungshan. Thus our work spreads out over a

little larger territory. Since there is no school for girls in Lungshan we have kept on with the little girls school which could be considerably increased in numbers did we have the accommodations.

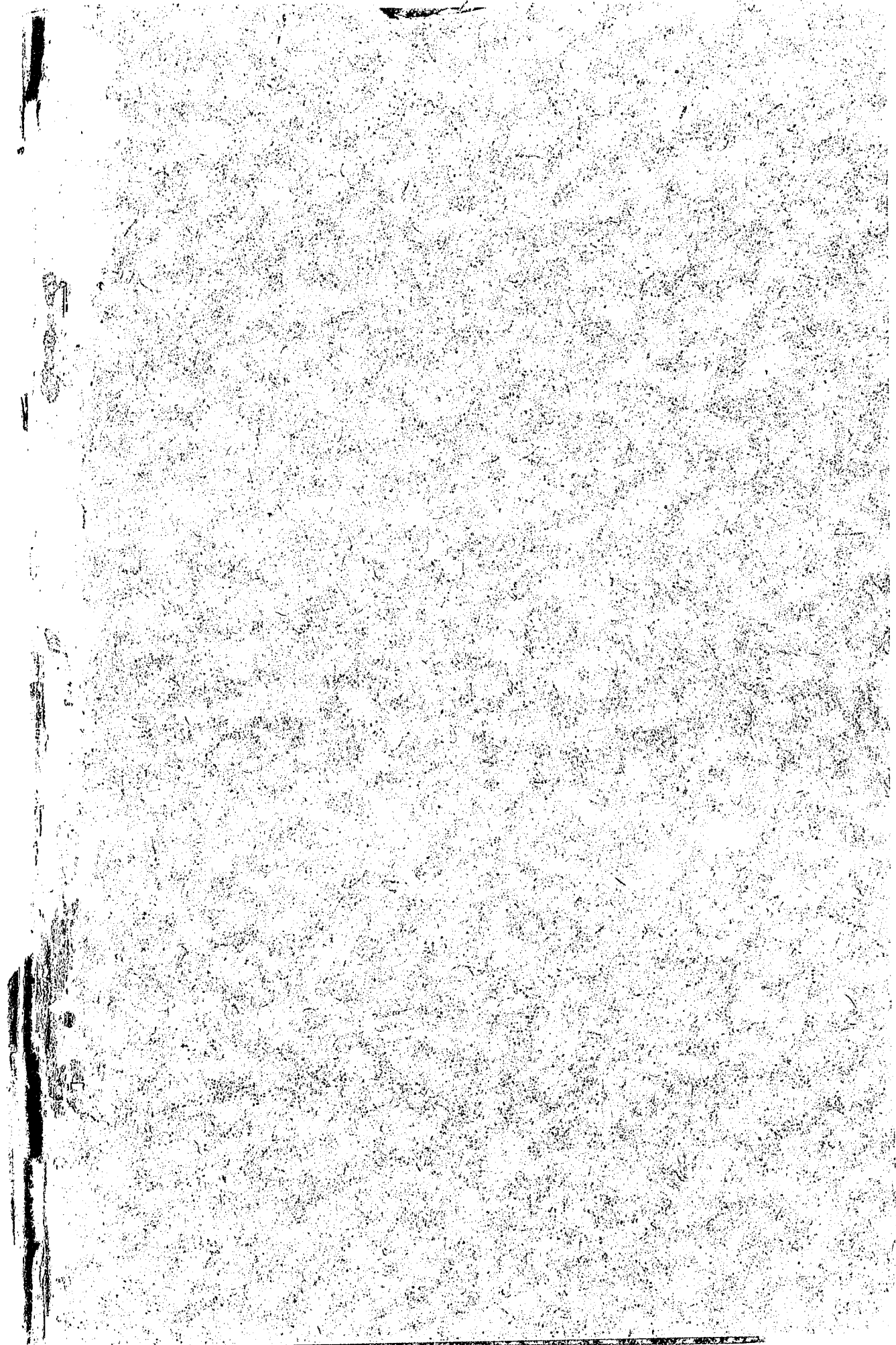
The open air classes and the night classes have been kept up through the winter with good success and this work was just closed about May 20th.

The work of the dispensary has been on about the same level as that of the previous year but it is increasingly evident that what is needed for this particular branch of our effort is a resident nurse with vision of the all but limitless possibilities of service which lie all about her both in Lungshan and the villages immediately surrounding. The mere routine of giving out such medicine as is needed, however efficacious this may be in the cure of actual disease, does not meet the requirements of our ideal for this particular type of service.

Our little recreation ground and reading room are in continued demand and are centers both for healthful play and for the dissemination of information. Men drop in for a few minutes to gather the gist of the reports from the outside world and then leave with the laconic remark, "Well, I'm off to spread the news!".

Beginning with the first of July the directing of the work of the Rural Institute is to be in the hands of personnel within the limits of the University itself so this is the last report to be made by the present director. With additional personnel and more adequate supervision and direction this work should extend beyond anything we have yet attained. I have a conviction that we have a sound foundation for any future effort.

Respectfully submitted.  
CHAS. A. STANLEY.



*Duplicate*

REPORT of the SCHOOL OF MEDICINE  
of CHEE LOO UNIVERSITY  
(SHANTUNG CHRISTIAN UNIVERSITY)

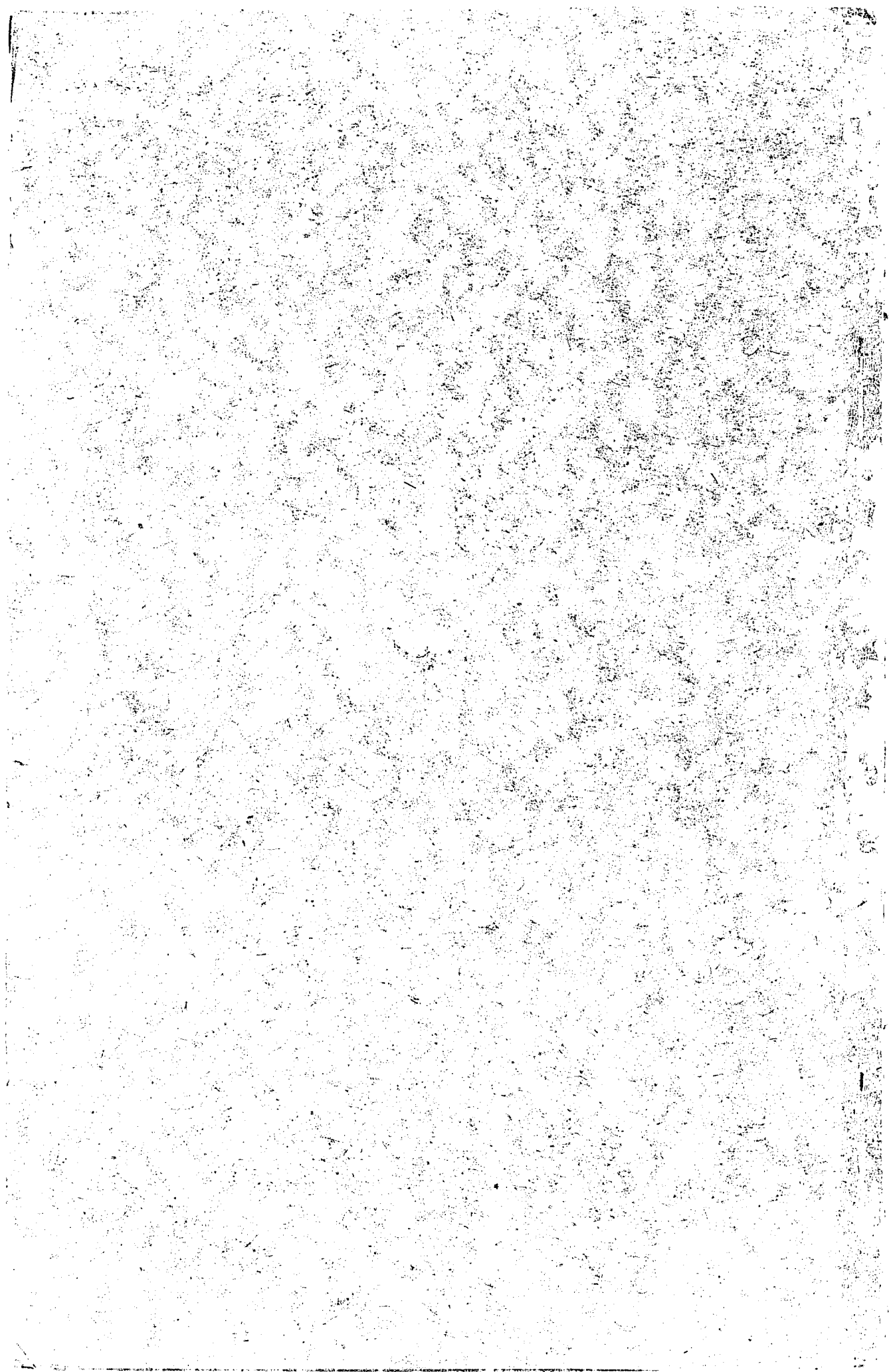
1932

University Bulletins No. 89

Tsinan, Shantung, China

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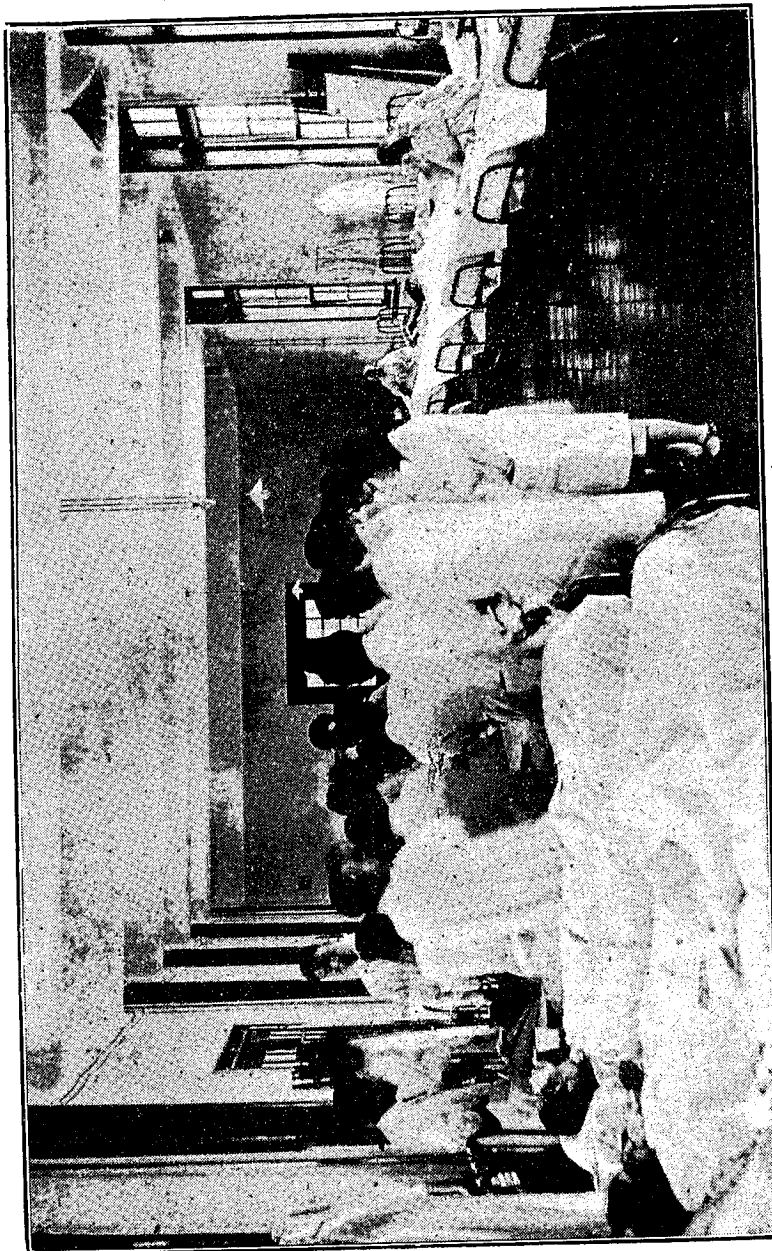
REPORT  
OF THE  
SCHOOL OF MEDICINE  
OF  
CHEELOO UNIVERSITY  
(SHANTUNG CHRISTIAN UNIVERSITY)

---

FOR THE YEAR ENDING JUNE 30th, 1932

---

TSINAN, SHANTUNG, CHINA.



MEDICAL WARD ROUNDS

## SCHOOL OF MEDICINE FACULTY AND INSTRUCTORS

RANDOLPH TUCKER SHIELDS, B. A. (Washington & Lee), M. D., (Med. Coll. Virginia). Dean of the School of Medicine. Professor of Histology and Embryology.

CHANG HAI HAN, M.B. (S.C.U.) Assistant Instructor in Medicine.

CHANG HUI-CHUAN, M. B. (S. C. U.) Associate in Histology and Embryology.

CHEN YEN-PING, M.B. (S.C.U.) Instructor in Physiology.

CHU CHING-SHEN, Assistant Instructor in Pharmacy & Materia Medica.

\*PHILIP SAFFERY EVANS, Jr., B. A., (Yale), M. D. (Johns Hopkins) Professor of Physiology.

\*ARABELLA SANGSTER GAULT, B.A., M.D. (Johns Hopkins), Associate in Medicine.

†MARY P. GELL, M. B., Ch. B., (Sheffield), Associate in Obstetrics & Gynecology.

DORA GILMORE, B.A., (Univ. of Calif.) Assistant in Bacteriology.

LEROY FRANCIS HEIMBURGER, M. D. (Univ. of St. Louis). Associate Professor of Dermatology. Medical Director of the University Hospital. Medical Director of the Leper Hospital.

HOU PAO-CHANG, M. D. (P.U.M.C.) Graduate (S.C.U.) Associate Professor of Pathology.

Hsu YIN TANG, M.D. (Nat. Govt. Med. Coll.) Dept. of Pathology.

\*LAURENCE MANSFIELD INGLE, B.A., M.D., Ch.B. (Cantab.), F.R.C.S. (Eng.) Assistant Professor of Surgery.

PETER CHING KIANG, B.A. (St. John's), M.D. (Univ. of Penn.) Director of Studies. Professor of Bio-chemistry.

GORDON KING, L.R.C.P. (Lond.), F.R.C.S. (Eng.), F.B.C.O.G. Assistant Professor of Obstetrics & Gynecology.

LANG KUO-CHEN, M.B. (S.C.U.) Associate in Otolaryngology.

LI P'EI KUANG, M.B. (S.C.U.) Instructor in Pediatrics.

LI SHOU-CH'ENG, M.B. (S.C.U.) Instructor in Pathology.

LI TSAN-WEN, B.S. (Soochow). Associate in Bio-chemistry.



LIN LIEN CH'ING, M.B. (S.C.U.) Instructor in Medicine.  
PERCY LONSDALE McALL, B.A. (Cantab.) M.B., Ch. B. (Edin.) Head of Translation Department and Lecturer.  
WILLIAM McCLURE, B.A., M.D., C.M. (McGill). Professor of Internal Medicine.  
JULIA MORGAN, M.A. (Dickinson Coll.) M.D. (Univ. of Penn). Associate Professor of Internal Medicine.  
FRANCIS HENRY MOSSE, M.A. (Oxon.), M.R.C.P. (Lond). Associate Professor of Internal Medicine.  
#WILLIAM PERCY PAILING, B.D., M.P.S., Ph. C. (Lond). Associate Professor of Materia Medica & Pharmacy. Chaplain of the University Hospital.  
ESTHER PEH, M.D. (Peking Women's Med. College). Associate in Obstetrics & Gynecology.  
#PHILIP B. PRICE, B.A. (Davidson), M.D. (Johns Hopkins). Assistant Professor of Surgery.  
#ANNIE V. SCOTT, B.S. (Univ. of N. Carolina), M. D. (Women's Med. Coll. of Penn.) Associate Professor of Pediatrics.  
\*H. JOCELYN SMYLY, M.A., M.D., Ch. B., F.R.C.S. (Ireland). Associate Professor of Medicine.  
THORNTON STEARNS, B.A. (Davidson), M.D. (Johns Hopkins), F.A.C.S. Professor of Surgery.  
ERNEST B. STRUTHERS, B.A., M.D. (Toronto), D.J.M.H. (Eng.) Associate Professor of Internal Medicine.  
TANG HSI YAO, M.B. (S.C.U.) Instructor in Medicine.  
#SUSAN SHARPE WADDELL, B. A. (Wilson College), M. D. (Univ. of Pittsburg.) Associate Professor of Physiology & Pharmacology.  
YEH LU MING, M.B. (S.C.U.) Assistant Instructor in Anatomy.  
YU CHIA-CHUN, M.B. (S.C.U.) Associate in Dermatology.  
YU FU-HSIN, Assistant Clinical Pathologist.  
YEN PIN, Assistant Clinical Pathologist

\*On furlough 1931-32.

# " " 1932-33.

†Temporary work Union Hospital, Hankow, 1932-33.

## HOSPITAL STAFF

The attending professional and administrative staff of the hospital consists of members of the clinical departments of the School of Medicine.

### House Staff

#### Medicine

Asst. Residents . . . MISS LIN LIEN CH'ING, M.B. (S.C.U.)  
T'ANG HSI YAO, M.B. (S.C.U.)  
CHANG HAI HAN, M.B. (S.C.U.)  
MISS CH'EN JUI TZU, M.B. (S.C.U.)

#### Pediatrics

Asst. Residents . . . MISS CH'EN SHU WO, M.B. (S.C.U.)  
LI P'EI KUANG, M.B. (S.C.U.)

#### Dermatology

Asst. Resident . . . YU WEN YUAN, M.B. (S.C.U.)

#### Surgery

Asst. Residents . . . CHAO CH'ANG LIN, M.B. (S.C.U.)  
HSU HSIEN MING M.B. (S.C.U.)

#### Eye

Clin. Assistant . . . LIU HUA YANG, Grad. (S.C.U.)

#### Ear, Nose & Throat

Clin. Assistant . . . LI YUAN FU, Grad. (S.C.U.)  
Obstetrics & Gynecology . . . KAO CH'ENG HSIEN M.B. (S.C.U.)

#### Dentistry

Asst. Residents . . . YOH I HSUIN, D.D.S. (West China Univ.)  
HSI YIN CHUNG, D. D. S. (West China Univ.)

### Internes

CH'EN PING CHANG  
CH'ENG HSI YU  
Fan P'EI Lu  
HSU KUO CH'ING  
KU HSI YING  
LI YUNG CHANG  
LIANG CH'I SHEN  
LING SUNG MU  
LIU HSIEN SHEN  
LIU KUANG CHU

LIU YUNG NIEN  
LIU YUNG YAO  
SHAN YAO CH'I  
WANG HSING KUO  
MISS LIN YU  
MISS LIU MING CHEN

MISS LU CHIN  
MISS MA SHU HUI  
MISS YU SHU AN  
KUAN WEN CH'ANG (Interne  
year at Soochow Hospital)  
HSIANG HSI NAN (Interne  
year at Huchow Hospital)

#### Nursing Staff

FRANCES R. WILSON, B.S., R.N. (Wesley Hospital, Chicago). Superintendent Nurses Training School.  
CORAL M. BRODIE, (Toronto General Hospital).  
CHANG KWEI WEN, N.A.C. (S.C.U. Hospital).  
CHANG MING TUNG, N.A.C. (S.C.U. Hospital).  
CH'I LIN (Taylor Memorial Hospital, Paotingfu)  
FLORENCE E. EVANS, B.A., R.N. (Los Angeles General Hospital).  
HAN FENG YIN (Douw Memorial Hospital, Peiping).  
†CORA HOFFMAN, R.N. (Carlisle Hospital Training School for Nurses).  
HSU TSO HUA, N.A.C. (S.C.U. Hospital). Public Health Nurse.  
LI HSING CH'UN N.A.C. (S.C.U. Hospital). Public Health Nurse.  
LI PAO CHEN, N.A.C. (A.P.M. Hospital, Tsining.)  
LI YU CHENG, N.A.C. (Williams Porter Hospital, Tehchow).  
\*DOROTHEA C.B. READE (St. Thomas' Hospital, London).  
SUN SHU TE, N.A.C. (S.C.U. Hospital)  
MOLLIE E. TOWNSEND, R.N. (Bellevue Training School for Nurses, New York).  
WANG CHEN TE (S.C.U. Hospital)  
WANG HSUAN YUN, N.A.C. (Sleeper Davis Hospital, Peiping)  
MRS. P.B. PRICE B.A., R.N., (Johns Hopkins Hospital). Part Time.

#### Massage Department

GLADYS V.L. NUNN (E. Suffolk Hospital, Ipswich; London School of Massage, Westminster Hospital, Reg. Mem. C.S.M.M.G.)  
LIU LIEN HSI N.A.C. (S.C.U. Hospital).

†Married April 1932.

\*Furlough March 1932. Resigned May 1932.

#### Pharmacy Department

LIU CHEN FA, Pharmacist.  
LIU KUO HUA, Assistant Pharmacist.  
KU YUN SHAN, " "

#### Evangelists

PASTOR NIEH TUNG-AN  
PASTOR HSU CHIA CHENG  
MRS. NIEH

#### ADMINISTRATIVE OFFICES

JESSE B. WOLFE, B.A., Business Manager, Medical School & Hospital.  
YEN CHAO, Assistant Business Manager.  
CHANG HUNG CHI, Dietary Steward.  
LIU HUNG YU, Office Assistant.  
WANG CHIA SHAN, Store-keeper.  
FENG CHI SHENG, Admissions Officer.  
CHANG YU SHU, Record Librarian.  
CHANG HENG TEH, O.P.D. Registrar.  
LIU DEH CHUN, Asst. O.P.D. Registrar.  
TUNG KUANG HUO, O.P.D. Cashier.  
MAIDA MORTON SMITH, Secretary to the Dean, School of Medicine.

**REPORT OF THE DEAN FOR THE YEAR ENDING**  
**June 30th, 1932.**

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As usual, in making the report of the school year, we have to record the fact of interruptions in our educational routine. The session of 1931-32 was affected by the Japanese invasion of Manchuria and of Shanghai. Although there was no military activity in this province, yet the excitement among the students in government schools led the provincial authorities to order the closing of all schools for an indefinite period. Though loth to do this, we, of course, had to comply with the official order. However, the period of closure for the Medical School was only three weeks, and lost time was made up by cutting short the spring holiday and by lengthening the spring term. With the exception of this, and the natural anxiety felt by all during the attack on Shanghai, the session was marked by the usual routine of lectures, laboratory and clinical work.

**REGISTRATION.** We are very glad to report that, during the year, largely owing to the influence of President Chu, the University obtained government registration, which, for the Medical School, means that its graduates will be licensed to practise by the government.

**STUDENT ENROLMENT.** There were enrolled during the year 106 medical students, 87 men and 19 women, this being the largest enrolment for many years. Besides these regular students, we admitted a new class of 18 in Pharmacy, three of whom were women, and we have had four laboratory technician students during the year. For the first time, a regular class in Massage has been given, by the Department of Massage and Electro-therapeutics of the Hospital, and three students from different parts of the country, all of whom were graduate nurses, received diplomas.

The 1932 graduating class consisted of 21 students. Two of these were allowed to take their internship in other hospitals. One of these two, Mr. Kuan Wen Ch'iang, was in the Soochow Methodist Hospital. While on a visit to Shanghai, convalescing from illness, Mr. Kuan was taken from a friend's house, on January 30th, by Japanese soldiers and no word has been heard from him since, so we fear that he was killed.

— 7 —

**STUDENT ACTIVITIES.** During the excitement caused by the Shanghai troubles, the students and nurses were given special instruction in Red Cross work and First Aid, out of regular school hours, by some members of the staff.

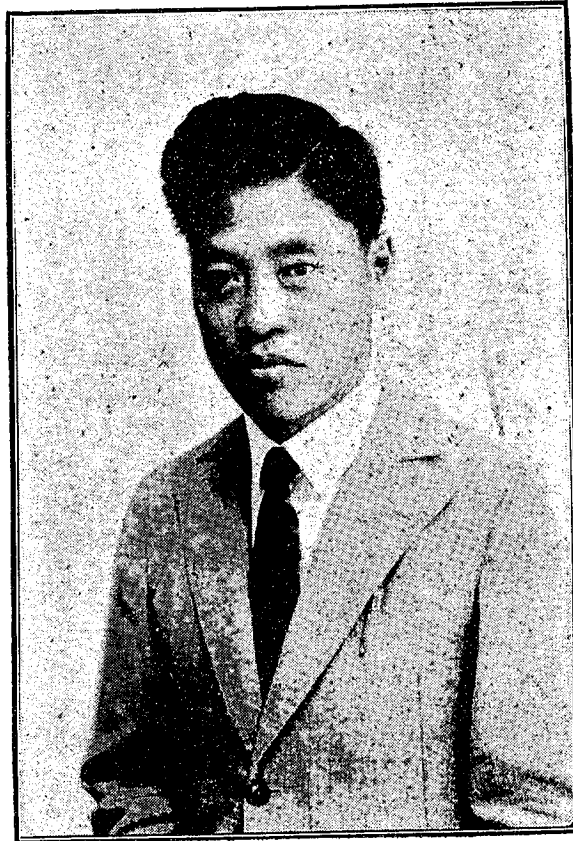
The Students' Medical Society has continued to meet and to invite special lecturers, usually bi-weekly. In addition to the Staff Journal Club, this year there has been conducted by the clinical teachers a fortnightly Internes' Journal Club which has been very successful in teaching students the use of the Library.

Bible classes have been conducted by certain members of the staff, for students and for employees. Members of the staff and some students have assisted in conducting ward prayers each morning in the hospital. Special musical services for Medical School morning chapel have been arranged at different times during the year.

**STAFF.** The School of Medicine suffered a great loss in the death of Dr. Wang Hui Wen in July 1931. Dr. Wang graduated from Cheeloo School of Medicine in 1916. After serving for two years in the hospital, he took up Anatomy as his life work and rose from the position of Assistant Instructor to that of Associate Professor and Acting Head of the Department, at the time of his death. He did special work at the Peking Union Medical College, on Rockefeller fellowships, at two different periods. Dr. Wang was conscientious and faithful in his duties in the school and was very active in local church work. The two brain models which he made during his last year will serve as a monument to his skilful and painstaking work. He is greatly missed as a teacher and for his Christian influence in the school.

We were fortunate in being able to secure the services of Dr. Yeh Lu Ming, of the class of 1931, in the Department of Anatomy for half of the year. During the other half year, Dr. Yeh worked in the Surgical Department.

Dr. Chang Chi Hsien, for many years an instructor in the Department of Bacteriology, resigned his position during the year and took up private practice. Miss Dora Gilmore joined the staff of this department, as technician, for the year, and rendered valuable service. We regret that she was not able to continue with us for a longer period.



*DR. WANG HUI WEN*

In February, Dr. Y. T. Hsu joined the Department of Pathology, having been previously connected with the Pathology Department of the Peking Union Medical College for four years.

Dr. Gordon King, with Mrs. King, also a physician, and their children, arrived in March, to take up the position of head of the Department of Obstetrics and Gynecology. Dr. King is a member of the Baptist Missionary Society and has spent three years in the Department of Obstetrics and Gynecology at the P.U.M.C., acting as head of the department during the period of Dr. Maxwell's furlough.

During the year, Drs. Struthers and Ingle, with their families, returned from furlough. Drs. Evans, Smyly and Gault are expected back before the opening of the autumn term. Mr. Pailing left on furlough in the spring and Drs. Scott and Waddell at the close of the school year. Dr. Chang Hui Ch'uan has obtained a year's fellowship for study in the United States and leaves in September. Dr. Lang spent three months, doing special work at the Peking Union Medical College, during the spring.

In the autumn of 1931, Dr. Gell, with three members of the Nursing staff, assisted in Flood Relief work in Hankow for three months. As the Union Hospital, Hankow, was greatly in need of help, having lost its senior woman doctor, through death, it was decided by the Chee-loo Medical Faculty to accede to the request made by the Union Hospital for the loan of Dr. Gell for a year. Accordingly, in April last, Dr. Gell returned to Hankow to give this temporary help.

**PUBLIC HEALTH WORK.** Unfortunately, our hopes for obtaining special assistance for public health work have not materialised, and, with the present financial situation in America, we cannot hope for anything from there in the immediate future. In spite of our failure to obtain a head for the department of Public Health, work has been carried on during the year by a committee which arranged certain courses to be taught by various members of the staff. The department of Pediatrics has, during the year, continued to take care of the health of the pupils of the Ch'ung Te primary school which is connected with the University. In connection with Public Health, it is of great interest to mention the work that is being done in villages near here.

In the spring of 1930, a group of medical students, led by Drs. Waddell and Ch'en Yen Ping, began to visit and make contacts in a small village a mile from the campus. Later, a small school was started in this village and health talks were given. During the summer vacation, a third year student was employed to carry on the work. The hours of teaching were increased, and games and physical exercises were added. During the summer, work of a similar kind was begun in an adjoining village. Some medical work was also started, and patients needing attention at the out-patient department of the University Hospital were sent there. A student of the School of Theology was employed for part time, and some funds were provided from the Women's Unit to carry on the work. Later, the two village schools were united and a small court-yard and rooms were rented, the villagers supplying the furniture. Primary school text-books were substituted for the Thousand Character Course, the children buying their own books. During the winter, stoves were installed in the school-rooms, the villagers bearing part of the expense. Evening classes in the Thousand Character Course were started for men, one of the village residents assisting in the teaching. A small room was prepared as a clinic room, and third and fourth year medical students taught and gave demonstrations in elementary hygiene each afternoon. One of the graduate nurses from the hospital visited the villages twice a week. Patients were treated free in the clinic and directed to the University hospital when possible.

In the spring of 1931, medical students in groups, under faculty supervision, made certain elementary health studies, as part of the course in public health, and some improvement in the sanitation of these villages was noted. The landlord of the school premises added a new building in the courtyard. In the summer, both morning and afternoon sessions of school were taught by a paid teacher, not a student. Through these two villages, contact was made with a third and larger village. Two public meetings were held and a Thousand Character Summer Course was organised, with 50-60 students. Public buildings were made available by the villagers for the work, one volunteer and one paid medical student taking charge of it.

In the fall of 1931, a paid woman teacher was employed for the two original village schools. She lived in the village and taught 20-30 children. At the same time, in the second school, as a self-help proposi-

tion, a third year medical student was allowed to lengthen the time of his medical course and thus give 3 hours daily to the teaching of this school. The villagers showed their appreciation by raising \$60 for repairs and furnishings for the school. Later, the service of the visiting nurse was interrupted by her departure for Hankow, to help in flood relief work, but she returned at the beginning of 1932 and has resumed her village work. Physical examination of the children of the two schools was done by fourth year students, as a part of their public health work, and these students plan to carry on the work as a voluntary service during their fifth year. Examinations of eyes, teeth and skin were made under faculty supervision.

Under the leadership of Dr. Ch'en, who was teaching a course of Hygiene to third year theological students, these students conducted adult classes in the Thousand Character Course in the three villages. Home visiting and teaching of games and songs was also carried on by the theological students.

It is hoped that, in addition to the work now being done, a maternity clinic will soon be started for these villages.

We hope that this is but the beginning of a piece of practical rural work which will develop and extend into other villages; but to do such work properly and to make it permanent, funds and leaders are needed, in addition to the self-sacrificing volunteers whose time is necessarily limited.

**HOU TSAI MEN MATERNITY CLINIC.** In the autumn of 1931, a beginning was made to build up an outside Maternity Clinic. Small premises were rented from the Southern Baptist Mission, adjoining one of their chapels. The American Presbyterian Mission (North) gave the services of Miss Madelaire, a trained nurse and midwife, and Miss Liu, one of our graduate nurses, was employed, both to live at this centre. Dr. Esther Peh visits the clinic every day. During the first seven months (Dec. 1931-July 1932), 28 deliveries were made in homes and 194 ante-natal examinations were given.

This is another piece of work which we expect to develop into a great service to the city and which will, incidentally, afford a place where medical students and midwives can be given practical training in maternity work.



**INOCULATION OF CHUNG TE SCHOOL CHILDREN**

**HOSPITAL.** A separate report of the activities of the Hospital and School of Nursing, as well as of the Leper Hospital, will be published, but the following summary of patients treated in the University Hospital may be given here:—

	1931-32	1930-31
Total numbers inpatients treated	1,954	1,807
Outpatients		
New patients	19,712	16,623
Return visits	50,888	44,156
Total	70,600	60,779

**VISITING LECTURERS.** During the spring, two lectures were given to the student body and staff by Dr. Yuan I Ching, of Peiping, on Public Health Statistics, and five lectures by Dr. J.P. Maxwell, of the P.U.M.C., on Obstetrics. We hope to have annually a series of exchange lectures in the department of Obstetrics, Dr. Maxwell coming to Cheeloo and Dr. King going to the P.U.M.C. for the purpose.

**VISITORS.** During the spring, Dr. H. S. Houghton and Dr. C. P. Emerson, of the Laymen's Commission, visited the Medical School and, at different times during the year, other people interested in medical education have also paid us visits.

**COUNCIL ON PUBLICATION.** Apart from Dr. McAll and the Chinese staff of the Translation Bureau who give their whole time to translation work, several members of the staff of the School of Medicine give part of their time to this work.

During the past year the following books have been finished and printed:—

- Revision of Stitt's Bacteriology (Dr. McAll)
- " " " Parasitology (Dr. Shields)
- " " Diseases of the Skin (Dr. Heimburger)

Work has also been done on the following books which are preparing for the press:—

- Care & Feeding of Children (Dr. Scott)
- Practical Blood Work, etc. (Dr. Kiang)
- Delafield & Prudden's Pathology (Dr. Hou)
- New translation Rose & Carless' Surgery (Dr. Ingle)
- Cameron's Biochemistry (Mr. Li Tsan Wen)

The whole time members have been working on the following:—  
Eden and Holland's Obstetrics.  
Holt's Diseases of Children, (in conjunction with Dr. Gillison.)  
Chinese Reader for Language Students.

Various other books have been recently published by the Council, but have less intimate connection with the Tsinan Translation Bureau. Valuable blocks and "shells" belonging to the Council on Publication, which were at the Commercial Press, Shanghai, at the time of the fighting in February, were destroyed, as well as a number of bound and partially bound books in the hands of other printers.

For 11 years (1921-31 inclusive) the School of Medicine issued the Tsinan Medical Review, 42 numbers in all. For a long time, efforts have been made to produce a bigger and better medical journal in Chinese. At the close of 1931, these efforts resulted in the amalgamation of the

T.M.R. and the National Medical Journal. This journal is to publish six numbers a year and will give space in each for reviews of current medical literature and other articles to be prepared by the Translation Bureau. Drs. Hou and McAll are on the Editorial Board. It is a matter for satisfaction that material prepared from here will now have a much wider circulation than was possible before.

**PHYSICAL PLANT.** No additions were made to the buildings of the school or hospital during the year, except some improvements in the Dental Department and the moving of the main entrance to the Hospital and Out-patient Department, as well as certain changes necessitated by this move. The financial depression in the west and the politico-military situation in China make it seem unwise to attempt at this time to build the new hospital, but permission has been given by the Board of Governors to erect a new power house and purchase the necessary machinery, and, in addition, to build the west wing of the proposed new hospital, to serve as a temporary O. P. D. and to care for certain in-patients. It is hoped to have the power house completed before the winter of 1932-33, so that all the Medical School buildings will be heated by steam from the central plant, which will also furnish electricity for the whole University and run the pumps for the water supply.

**FINANCES.** Of the nine missionary societies co-operating in the School of Medicine, only four made actual reductions in their grants during the year, and, as many of the grants were made in gold, the high rate of exchange gave us an increase over the estimated budget. Especially was this true of the Rockefeller Foundation grant which was given half in gold and half in silver. The expenditures for the year were 20% more than estimated, for the Medical School and Hospital, but, owing to the exchange, we were able to meet this increase. As many of our supplies have to be ordered from abroad and paid for in gold, it is very difficult to estimate expenditures on a budget which has to be prepared beforehand.

**NEEDS.** As mentioned in last year's report, there are still a number of vacancies on our staff which we are anxious to fill, if suitable persons could be obtained. We need heads for the departments of Anatomy, Bacteriology, Public Health, as well as X-Ray and Electro-therapeutics.

**FINANCIAL REPORT FOR THE YEAR  
JULY 1st, 1931-JUNE 30th, 1932**

**SCHOOL OF MEDICINE**

**RECEIPTS**

<i>Grants from Missions for General Expenditure</i>	<i>Mex.</i>
American Presbyterian Mission North . . . . .	\$ 2,000.00
American Presbyterian Mission South . . . . .	627.00
Baptist Missionary Society . . . . .	6,179.83
British Section Board of Governors . . . . .	2,025.00
London Missionary Society . . . . .	1,380.00
Society for the Propagation of the Gospel . . . . .	2,025.00
United Church of Canada Mission . . . . .	1,692.63
United Church of Canada, Women's Missionary Society . . . . .	3,678.85
Wesleyan Methodist Missionary Society . . . . .	7,830.65
Women's Committee (A.P.M.N. and W.F.M.S.) . . . . .	13,341.32
Federated Women's Boards, Day of Prayer . . . . .	5,750.47
	<u>\$46,530.75</u>
Rockefeller Foundation Grant . . . . .	62,378.00
Students' Fees . . . . .	9,156.00
Tsinan Medical Review . . . . .	62.08
	<u>Total \$118,126.83</u>
Less Transfer to Hospital . . . . .	39,376.77
Net Income received . . . . .	<u>\$78,750.06</u>

**EXPENDITURES**

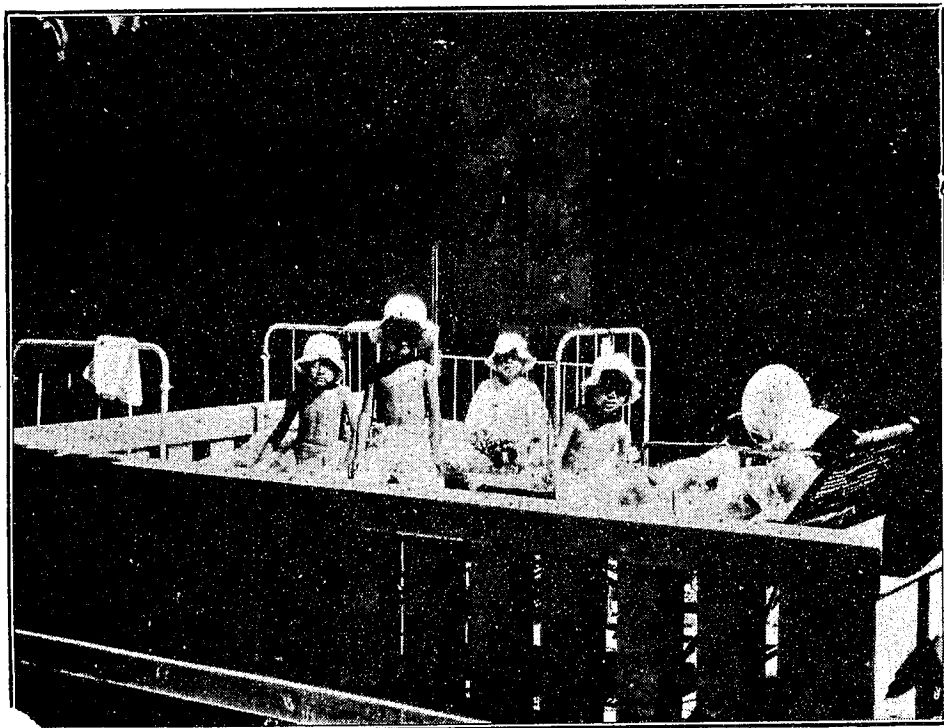
a. Administration . . . . .	\$12,759.76
b. Salaries paid by Medical School . . . . .	29,873.34
c. Departmental . . . . .	16,839.81
d. Maintenance & Insurance . . . . .	12,217.44
e. Building Fund . . . . .	3,865.19
f. Suspense Accounts . . . . .	3,194.52
	<u>Total \$78,750.06</u>



### HOSPITAL

Local Receipts . . . . .	\$89,213.98
Transfer from Medical School . . . . .	39,376.77
Total	<u>\$128,590.75</u>
Expenditures . . . . .	Total
	<u>\$128,590.75</u>

The above financial statement does not include receipts and expenditures on account of the various cooperating missionary societies for the salaries, allowances and furloughs of the missionary members of the staff, amounting, approximately, to Mex. \$100,000 for the Medical School and Hospital for twelve months



**THE CHILDREN'S SUN PORCH**  
(Dept. of Electro-therapeutics)

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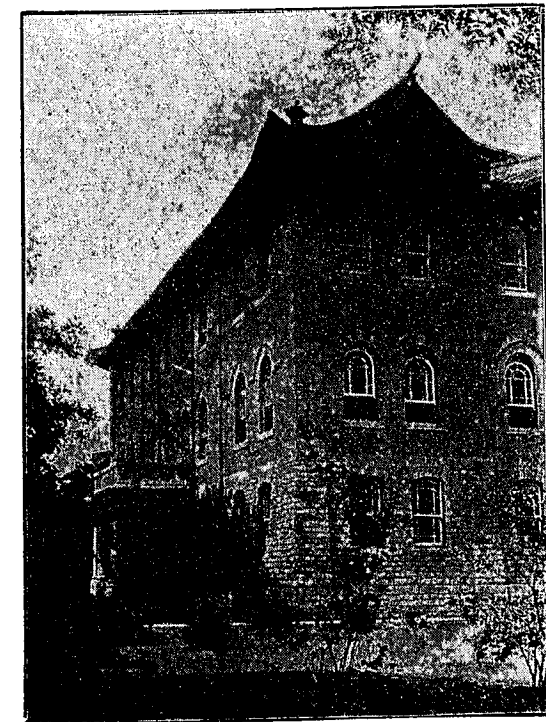
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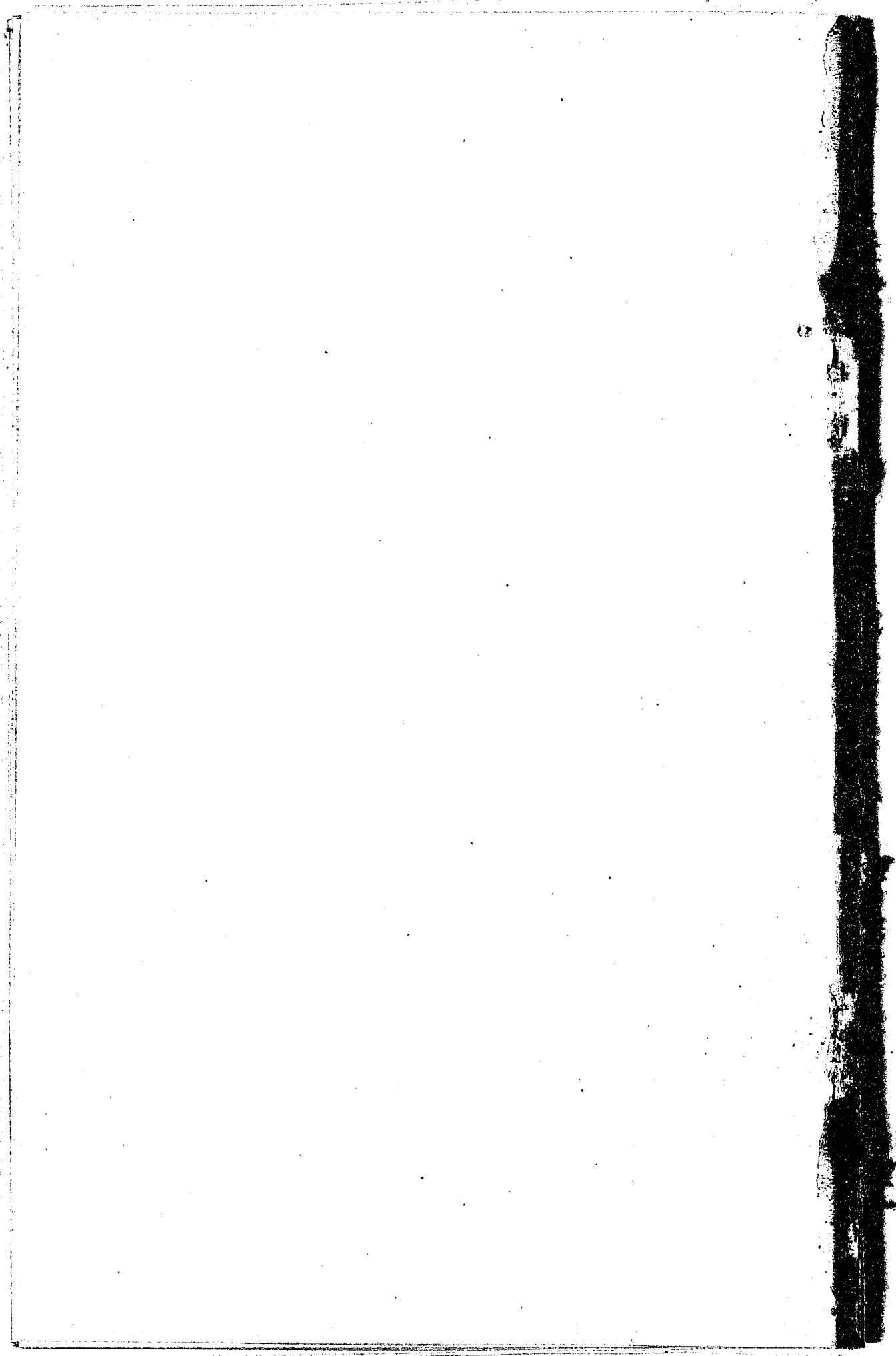
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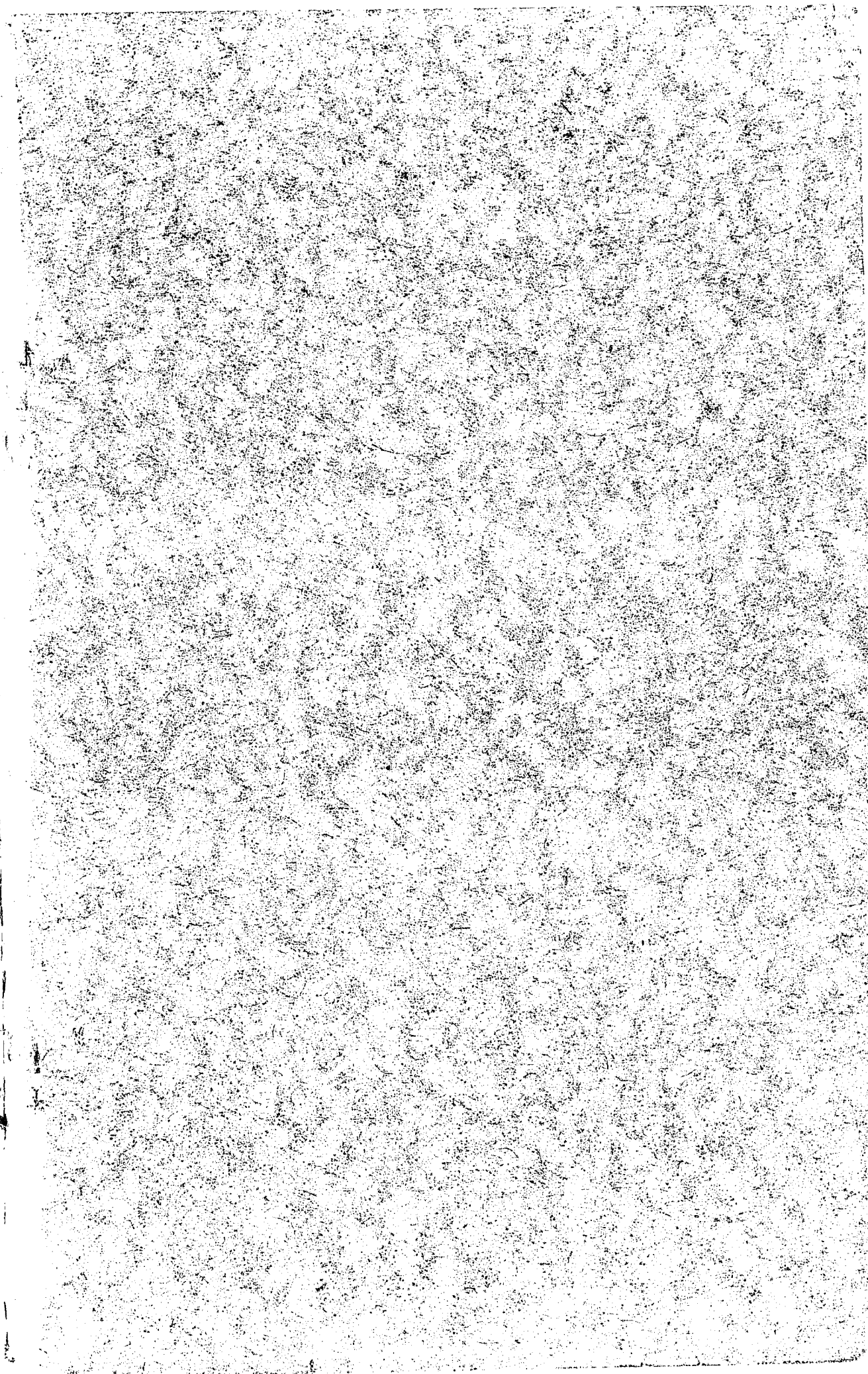
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**MEDICAL SCHOOL**  
(Main block)





6/16/58

Dear Miss Ferguson;

Herewith I am returning you the University  
(1932)  
Bulletin no. 82. I took a photostatic copy of  
the Premedical School which is a requirement  
of Cheloo University Medical School.

I also sending you a complete  
site of University Bulletin NO. 85- which tells about  
the Curriculum of Medical School, you can use  
it to help my schoolmates.

Thank you very much.

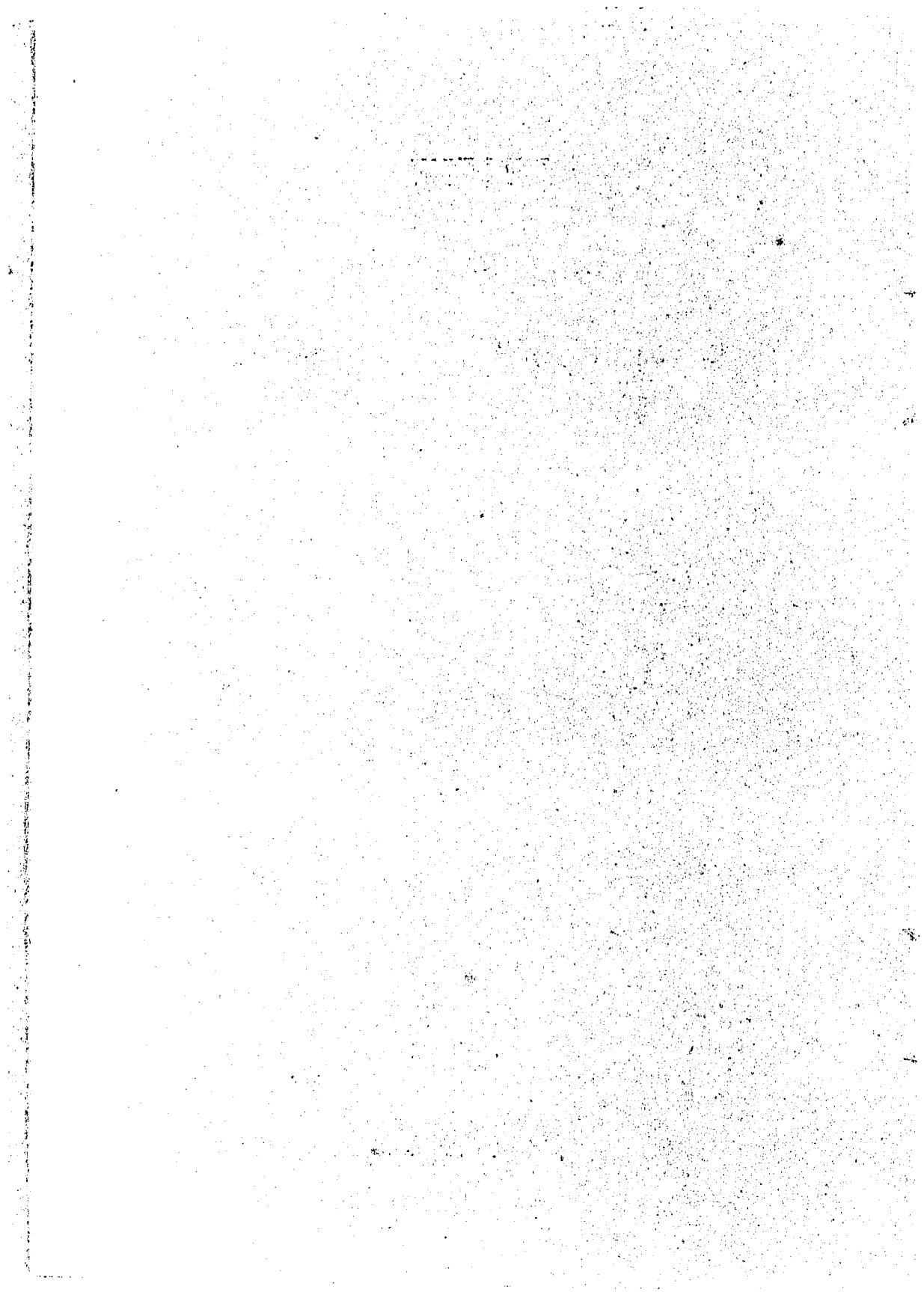
Yours sincerely,

Chin Lu, M.D.

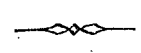
**BULLETIN**  
**OF**  
**CHEELOO UNIVERSITY COLLEGE OF MEDICINE,**  
**FOOCHOW.**

**No. 1.**

**NOVEMBER 1948**



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**OF**  
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**No. 1.**  
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IN TSINAN—OCTOBER 1946-JULY 1948.

On October 1st, 1946, Cheeloo Medical School reopened in Tsinan, after nine years of evacuation in Szechuan, and great was the rejoicing. At that time, the Communist forces had already made great inroads in Shantung and nothing was very secure. However, by June 1948, two years of work had been completed in Tsinan. Months before this time, there were indications that evacuation would again become advisable. In March, 1948, in accordance with a warning from the Governor, about half of the Medical School staff and most of the students journeyed to Nanking, but were able to return in a fortnight's time. Following this, repeated warnings came from the Consular authorities and it became increasingly difficult to keep the staff together. If a move should become necessary, the question was where to go. A very cordial invitation had come to the Medical School, in the spring, from Foochow. Other centres were considered, Tsingtao and Hangchow among them, but Foochow seemed the most suitable and was also favoured by the Cheeloo Committee of the United Board in New York. In Foochow, there were available three mission hospitals, with a total of 450 teaching beds, and sufficient accommodation for classrooms and laboratories and for housing staff and students. There were only two drawbacks — Foochow has long and oppressive summers and a dialect which cannot be understood by people from other parts of the country, although Mandarin is taught in all the Foochow schools. Finally, after a tour of various cities, made by Drs. Stephen Chang and Bryson, and much careful investigation of possibilities, it was felt that Foochow provided the best opportunities and there was both a need and a welcome for the Medical School in this place, so the decision was made to move to Foochow.

16/30/75 China Records Project. Gift of Zela Worley

When the decision was made for the Medical School to leave Tsinan, it was decided to keep the University Hospital in Tsinan open as long as this proved to be possible, regardless of what political conditions might be. A number of the staff, Dr. H. J. Smyly, Miss Florence Evans, of the Nursing staff, Mr. Yu Fu-hsin, in charge of the laboratory service, together with medical and surgical residents, decided to remain and word was received that Drs. Chao Ch'ang-lin and Yew Chia-chun, who were expecting to leave the United States in August, planned to return to Tsinan and not to Foochow. They actually reached Tsinan shortly before the attack on the city began. News recently received from Dr. Smyly gives a graphic description of the way in which the hospital carried on during the week of severe fighting which preceded the turn-over of the city to the Communists. It is a matter for great thankfulness that the hospital was able to render such valuable service in this emergency, due to the fine leadership of Dr. Chao Ch'ang-lin, the Superintendent, and the loyal and courageous co-operation of all the staff and employees. From news so far received, it seems as if work in the hospital, as well as on the University campus, were being allowed to continue under the new regime.

#### EN ROUTE TO FOOCHOW—JULY

14th—AUGUST 2nd, 1948.

The move of the Medical School from Tsinan began on July 14th, when staff, students and equipment were flown in chartered planes to Tsingtao. There, two weeks were spent which were, for some, a vacation; but, for the Dean and a number of the students, this was a busy time, securing the necessary permits and sorting and arranging the equipment for shipping.

In the meantime, a committee, consisting of Drs. Iverson, Chang and Bryson, had been hard at work in Shanghai, securing an LST to come to Tsingtao, to take staff, students and equipment straight to Foochow. On July 27th, the LST, "Wan Jing", arrived in Tsingtao and was speedily loaded, with just over 100 passengers (staff and families and students) and altogether about 300 space tons of baggage and equipment, for the Medical School and hospital, was collected in Shanghai from various relief organisations.

In all of the arrangements for transporting baggage and equipment, many students took an active part. In Tsinan they packed library books and journals, microscopes pathology and general laboratory equipment. In Tsingtao, they organised the luggage in the warehouses, so that the loading of the boat could be expeditiously done. On the ship, they were responsible for order in their sleeping and deck space.

In reply to the letter of appreciation sent by the Dean to the Captain of the "Wan Jing", after arrival in Foochow, for the many kindnesses shown by himself and the officers and crew of the ship to the Medical School party, the following letter was received: "Your letter of August 5th, was received by me on our return to Shanghai from Okinawa. It was indeed a very great pleasure to myself, officers and crew to receive such a kind letter of appreciation from you, on behalf of your staff and students, for the little help we were able to render you all on your recent trip on the "Wan Jing" from Shanghai-Tsingtao-Foochow. It might interest you to know that we, in turn, were greatly impressed by the manner in which you all, in your hour of adversity, uprooted as you were from the home you had known for years and sent on to another part of your great country, possibly totally unknown to you (I most sincerely hope it will treat

you kindly) carried on, young and old, to the best of your ability -- many of you having to leave loved ones behind. We were also very much struck by the immaculate state in which you left the quarters you had occupied. They are great young people and China will be all the better for their services when they have, in due course, GRADUATED. I have already passed on your message to officers and crew and please convey our best wishes to all the people we have met, and, as we say in Scotland, "Lang may your Lum reek".

(Signed) *John B. McCaw*  
Master of the "Wan Jing".

The voyage down the China coast was very pleasant. A heavy fog, the first night out, slowed up our progress somewhat but, after that, the weather was fine. On the afternoon of the second day, the only excitement of the voyage occurred when a small craft, a cross between a junk and a small steamer, appeared close to our ship with S. O. S. signals flying. The Captain of our ship manoeuvred and got within hailing distance and learnt that her engine had broken down and that she wanted to get to Shanghai. As we were not calling at Shanghai, the Captain offered to send a radio message, asking for help and, as they said they were out of food, offered them a bag of rice, if they would send a small boat over to fetch it. The craft, however, then prepared to hoist anchor and come alongside, which roused the Captain's suspicions that they were, perhaps, pirates. Further messages were shouted, telling them to send a small boat, with the reply that they had none, one being visible on their deck! Some of the men on the boat attempted to get this ready but were prevented by the captain, or leader of the gang, or whatever he was, and no effort was made to collect the rice. Our Captain, therefore, feeling that he had done

his bit, having sent a radio message to Shanghai, ordered full steam ahead, and the mystery remains unsolved as to whether or not they were pirates.

Sunday, August 1st, our last day at sea, was a beautiful day. We began the day with a short service, led by the Rev. John Fee. Almost everyone spent the day on deck watching the small islands that abound off the coast of Fukien. We made better time than expected, reaching the outer anchorage just at dusk. It was too late to take on the pilot so we remained at anchor there for the night. A close watch was kept for pirates but none appeared. Early on Monday morning, August 2nd, the pilot came on board and took us in, past beautiful green shores, little hills, crowned with a temple or pagoda, with high hills in the background, to Pagoda Anchorage. There, on the launch to meet us, were Dr. Laube and some of the kind Foochow friends whose thoughtful planning made everything so easy for us. Staff, students and baggage were all loaded on to the launch, the heavy baggage and equipment being left, in the care of the students who had looked after it all the way from Tsinan, to come up by lighters. This took longer than was expected and it was two days before everything was landed and stowed away in the godown. The trip up the river was most interesting, the river wide, with many sampans, junks, launches, huge rafts of logs floating down; little villages on the banks, very different from the Shantung villages, in the shape of their roofs, trees everywhere and the vivid green of rice fields, and always hills in the background, and some coming down almost to the water's edge. We passed Fukien Christian University, on its promontory, about half way up to Foochow and finally reached the wharf about noon. The disembarkation of the baggage was again most efficiently handled by our students and some of the Foochow Theological School

students and, before long, we were all, with our hand baggage, transported by bus or car to our destination. This, for the students, was the dormitories of the two Theological Schools, on Nantai (the island). The Chinese women staff, and mothers with small children were housed in the dormitory with the women students, temporarily, the men in another house near by and the western staff in various mission houses in the neighbourhood.

**IN FOOCHOW.** Whilst others were arranging transport and the move from Tsinan, the many problems in Foochow were being dealt with and buildings prepared for the reception of the school when it arrived. Students' desks, double-decker beds, chairs and laboratory and classroom equipment all had to be ordered and paid for in advance and many repairs and alterations made to the buildings we were to occupy. Although the new beds were not all ready by the time the LST arrived in Foochow, it was possible to house and provide beds (many of them borrowed) for everyone when the time came. Two days before term started students of the senior years were able to move into their permanent quarters and term opened on October 4th, as planned.

Shortage of accommodation in any one central site has made it necessary to split the school into Pre-clinical (the first two years) and Clinical (the last three years) groups, occupying sites three miles apart, but this is a minor adjustment, when one considers the difficulties of housing all over China. In these two places, we have managed to house and provide classrooms for these two groups which, while not wholly adequate, nevertheless make possible the efficient running of the Medical School.

The Pre-clinical students have most of their classes in the same building on the island of Nantai, which serves as the men's dormitory. This is the Old Theological School, in which we have the use of the whole ground floor, for classrooms and laboratories. Above these, in one wing, are the dormitories where our men students live, two to a small room. To those who remember other evacuation accommodation, there is no need to explain how fortunate we are in having such a building given for our use, at a merely nominal rent. The women students of the Pre-clinical years occupy part of the dormitory of the women Theological students, about five minutes' walk from the school. The men and women students have a joint dining-room and kitchen in the school building.

The Clinical years are housed in the Black Rock property, ten minutes walk from the Union Hospital, where most of our clinical work is done, though the internes have a rotating service in the three mission hospitals, Union, Christ's (C. M. S.) and Tak Ting (C. M. S.) the latter on Nantai and the other two in the city. Members of the clinical staff also visit these hospitals in an attending capacity. The Black Rock property not only offers dormitory space for the students of the final years but also provides accommodation for several members of staff, with room for others who, we hope, will join us in the near future.

The Medical Library is housed on the top floor of Union Hospital. In addition to the current files of medical journals, (and files for the past few years,) collected in New York and shipped to Tsingtao, from whence they were brought by the Medical School group to Foochow, a number of new books were also brought from Tsinan. These, combined with the books and journals in the Union Hospital Library, form a good and comprehensive collection of medical literature which it is hoped to increase as time goes on.

**Student Enrolment.** The Medical Faculty agreed last year to accept an entering class of 40 students, for the year 1948-49, 30 from Cheeloo Pre-medical Department and 10 from other colleges. Of the 18 students from outside who took the entrance examination, 10 were accepted but only 6 of these actually entered the first year class. Two of those admitted from the Pre-medical Department were not able to come to Foochow, so two others were accepted, one of whom came. The enrolment of this class is, therefore, 37 (17 men and 20 women) which is larger than any previous class in the Medical School since the one that graduated in 1919.

The enrolment for the five years is as follows:

Year	Men	Women	Total
I	17	20	37
II	18	7	25
III	14	6	20
IV	7	2	9
V	6	6	12
	62	41	103

The total enrolment of the Medical School for the year 1947-48 was 88, 61 men and 27 women, of whom 77 were in Tsinan, while 11 internes, out of the class of 18, spent the year working in certain approved hospitals in Chengtu, Chungking, Nanking and Canton.

**Staff.** The Faculty at present in Foochow consists of the following:

- Dr. A. F. Bryson (Orthopaedic Surgery)
- Dr. Stephen Chang (Medicine)
- Dr. Lalla Iverson (Pathology)
- Dr. P. J. Laube (Surgery & Associate Dean)
- Dr. T. W. Li (Biochemistry & Acting Dean)
- Dr. Isabelle MacTavish (Tuberculosis & Student Health)

Since the publication of this report, we have to announce, with deep regret, the death, on December 6th, of Dr. A. F. Bryson. We are also sorry to report that Dr. Lalla Iverson is leaving for the United States for reasons of health.

- Dr. A. V. Scott (Pediatrics)
- Dr. E. B. Struthers (Medicine)
- Mrs. E. B. Struthers (English)
- Dr. Lois Witham (Nutrition)
- Dr. J. L. R. Young (Surgery)
- Dr. Wang Pao-hua (Anatomy Demonstrator)
- Miss H. H. Myers (Social Service Dept., Union Hospital & Student Welfare)
- Miss Helen Turner (Operating Room, Nurse Union Hospital)

Miss M. Morton Smith (Secretary, Dean's Office)

In addition to the members of the Faculty, two members of the Resident Staff of the University Hospital in Tsinan, Dr. Yu Wei-liang (1947) and Dr. Wang Chieh-min (1948) came to Foochow and are working on the Resident Staff of Union Hospital, in Pediatrics.

Three members of the technician staff, Mr. T'ien Chun-fan, Mr. Yang Chen-ching and Mr. Kung Fan-hsueh also came from Tsinan and are helping in laboratory work in the Medical School and in Union Hospital.

The following members of the Faculty are at present on leave of absence: Dr. Lin Lien-ch'ing (in Chungking), Dr. R. J. Still (on furlough, in England) and Dr. Sun Hung-ch'uan (on fellowship study in St. Louis, U.S.A.). Drs. Chao Ch'ang-lin, H. J. Smyly, Yew Chia-chun and Mr. Yu Fu-hsin are working in the University Hospital in Tsinan. It is hoped that the former members of the faculty, Drs. Ch'en Yen-ping<sup>\* Chang Tze-sheng</sup> (Physiology, Pharmacology) and Dr. Liu Yung-yao (Urology) will shortly return to the staff. Dr. T. C. Greene (X-ray) who, with his family, is now in Canton, hopes to rejoin the staff in Foochow in March, and it is hoped that Dr. Gladys Smithwick, who has been appointed by the American Presbyterian Mission, South, to the staff of the Medical School, for work in Anaesthesia in Union Hospital, will arrive before

long. Dr. Smithwick's sailing has been held up by the shipping strike in the U.S.A.

Several members of the staff of Union Hospital, Christ's Hospital and Tak Ting Hospital are serving as honorary members of the faculty and giving help in the teaching of certain courses. Members of the Cheeloo clinical staff also visit these hospitals in an attending capacity. The co-operation shown by the staffs of these hospitals is making possible the carrying on of the work of the Medical School in a fairly normal way.

**Graduates.** When the Medical School arrived in Foochow, the Cheeloo Alumni Association here numbered 22 members, five of whom were graduates of the Medical College. Since then, several Cheeloo medical graduates of the last three or four years have come to Foochow, to join the Resident staffs of the three mission hospitals. The whole alumni group entertained the Medical Faculty and Hospital Resident Staff from Tsinan at dinner shortly after their arrival in Foochow, and this opportunity of renewing old friendships and of making new ones was much appreciated by the Faculty. The Cheeloo medical graduates now in Foochow are the following:

Dr. Wang Yuan-chieh (1921), in private practice and prominent in both community and church activities.

Dr. Kung Chen-tung (1933), in private practice, after some years in mission hospital work. Mrs. Kung is a graduate of the Nursing Department of Cheeloo University Hospital.

Dr. Lin Yu-ying (1934), After serving in the Lester Hospital, Shanghai and the Methodist Hospital, Nanping, Fukien, is now working in the Provincial Maternity and Child Welfare Hospital, Foochow.

Dr. T. K. Hsieh (1947) Resident staff of Tak Ting Hospital.

Dr. Y. Y. Shen (Mrs. K. F. Li) (1947), Pathology Department, Union Hospital.

Dr. Wen Shao-chieh (1947)	Surgical Resident Staff, Union Hospital
<del>Dr. James C. C. Ch'ai (1944)</del>	" " " " "
Dr. Chang Hsueh-i (1947)	" " " Tak Ting "
Dr. Ou-yang Ch'en (1945)	" " " Christ's "
Dr. Chang Hsueh-min (1947)	Medical " " " "

These members of the Resident staff are doing a rotating service in the three hospitals. It is hoped that arrangements may shortly be made to appoint these various Cheeloo graduates serving as Residents in Union, Christ's and Tak Ting Hospitals as Resident Clinical Assistants in the Medical School.

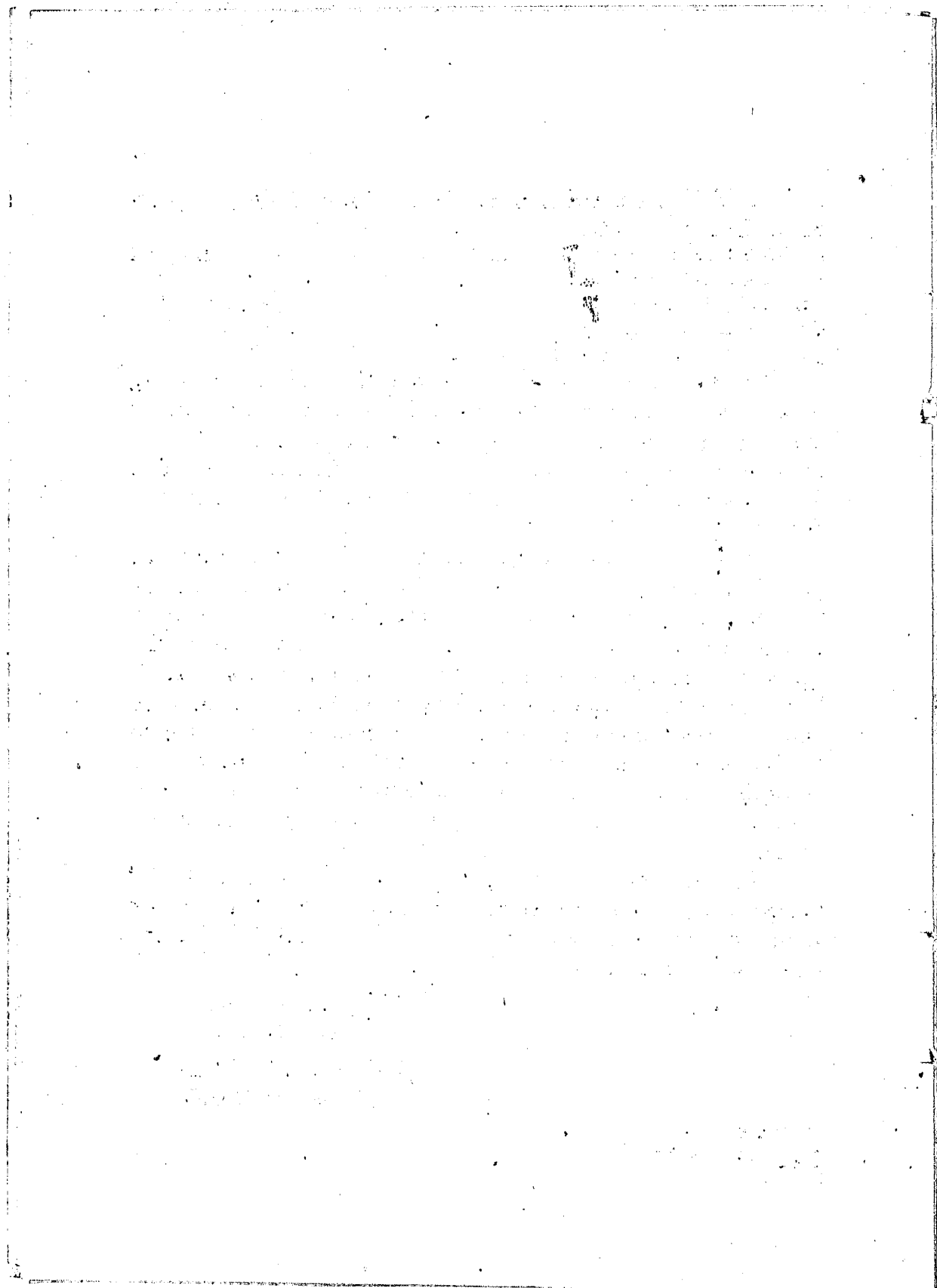
By means of the kind sympathy and interest and the practical help given by the Foochow community and by friends, supporters and alumni of the Medical School, both in China and abroad, it has been possible to tide over the present crisis and to re-establish the school in a new area. It is our hope that, while we are here in Foochow, we may be able to serve the community and train doctors for service to the people of China as a whole. We look forward to the continued sympathetic support and interest of our friends to help us to strengthen and improve our work and to go forward.

We send our warmest greetings to all our friends for Christmas and our best wishes for the New Year which, we hope, will prove a happier and more peaceful one for the whole world than this year has been.

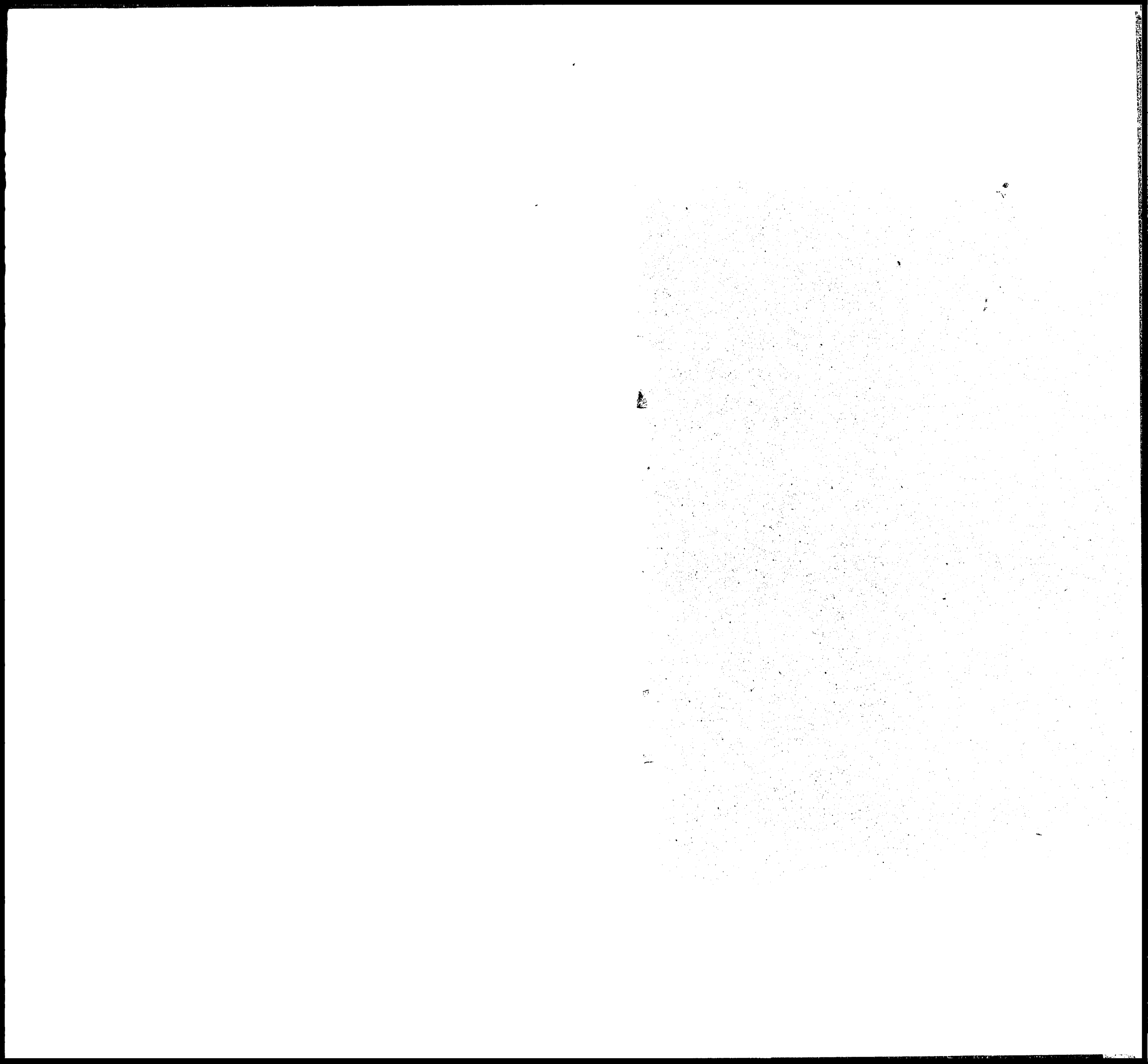
*Li Tsan-wen, Ph. D.*  
(Acting Dean).

*Paul J. Laube, M. D.*  
(Associate Dean)

*Foochow,*  
*November 1948.*







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REPORT of the SCHOOL OF MEDICINE  
of CHEELOO UNIVERSITY  
(SHANTUNG CHRISTIAN UNIVERSITY)

1933

University Bulletins No. 91

Tsinan, Shantung, China

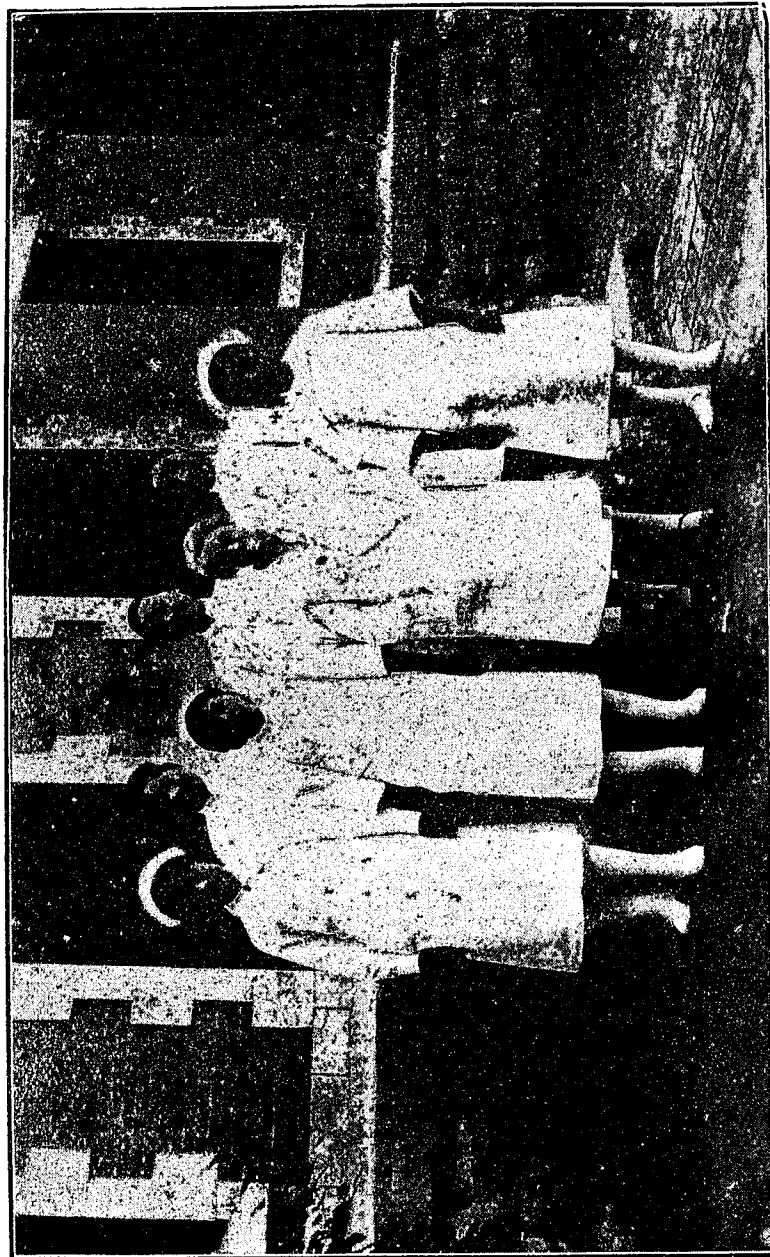
REPORT  
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---

FOR THE YEAR ENDING JUNE 30th, 1933

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TSINAN, SHANTUNG, CHINA.



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CHANG HAI HAN, M.D. (S.C.U.) Assistant Instructor in Medicine.

\*CHANG HUI-CHUAN, M.D. (S.C.U.) Associate in Histology and Embryology.

CHAO CHANG LIN, M.D. (S.C.U.) Assistant Instructor in Surgery.

CHEN ZUI TZU, M.D. (S.C.U.) Assistant Instructor in Obs. & Gyn.

CHEN YEN PING, M.D. (S.C.U.) Instructor in Physiology.

CHU CHING SHEN, Assistant Instructor in Pharmacy & Materia Medica.

PHILIP SAFFERY EVANS, Jr., B.A., (Yale), M.D. (Johns Hopkins) Professor of Physiology.

ARABELLA SANGSTER GAULT, B.A., M.D. (Johns Hopkins), Associate in Medicine.

†MARY P. GELL, M.B., Ch. B., (Sheffield), Associate in Obstetrics & Gynecology.

LEROY FRANCIS HEIMBURGER, M.D. (Univ. of St. Louis). Associate Professor of Dermatology. Medical Director of the University Hospital. Medical Director of the Leper Hospital.

HOU PAO CHANG, M.D. (P.U.M.C.) Graduate (S.C.U.) Associate Professor of Pathology.

Hsu YIN TANG, M.D. (Nat. Govt. Med. Coll.) Dept. of Pathology.

LAURENCE MANSFIELD INGLE, B.A., M.D., Ch. B. (Cantab.), F.R.C.S. (Eng.) Assistant Professor of Surgery.

PETER CH'ING KIANG, B.A. (St. John's), M.D. (Univ. of Penn.) Director of Studies. Professor of Bio-chemistry.

GORDON KING, L.R.C.P. (Lond.), F.R.C.S. (Eng.), F.C.O.G. Assistant Professor of Obstetrics & Gynecology.

LANG KUO CHEN, M.D. (S.C.U.) Associate in Otolaryngology.

LI P'EI KUANG, M.D. (S.C.U.) Instructor in Pediatrics.

LI SHOU CH'ENG, M.D. (S.C.U.) Instructor in Pathology.

LI TSAN WEN, B.S. (Soochow Univ.). Associate in Bio-chemistry.

LIN LIEN CH'ING, M.D. (S.C.U.) Instructor in Medicine.  
 LIU KWEI HUA, Assistant in Pharmacy.  
 PERCY LONSDALE McALL, B.A. (Cantab.) M.B., Ch. B. (Edin.) Head of Translation Department and Lecturer.  
 WILLIAM McCLURE, B.A., M.D., C.M. (McGill). Professor of Internal Medicine.  
 JULIA MORGAN, M.A. (Dickinson Coll.) M.D. (Univ. of Penn). Associate Professor of Internal Medicine.  
 #FRANCIS HENRY MOSSE, M.A. (Oxon.), M.R.C.P. (Lond.) Associate Professor of Internal Medicine.  
 \*WILLIAM PERCY PAILING, B.D., M.P.S., Ph. C. (Lond). Associate Professor of Materia Medica & Pharmacy. Chaplain of the University Hospital.  
 ESTHER PEH, M.D. (Peking Women's Med. College). Associate in Obstetrics & Gynecology.  
 PA TA CHIH M.D. (P.U.M.C.) Assistant Professor of Ophthalmology.  
 \*PHILIP B. PRICE, B.A. (Davidson), M.D. (Johns Hopkins). Assistant Professor of Surgery.  
 \*ANNIE V. SCOTT, B.S. (Univ. of N. Carolina), M.D. (Women's Med. Coll. of Penn.) Associate Professor of Pediatrics.  
 H. JOCELYN SMYLY, M.A., M.D., Ch. B., F.R.C.S. (Ireland). Associate Professor of Medicine.  
 #THORNTON STEARNS, B.A. (Davidson), M.D. (Johns Hopkins), F.A.C.S. Professor of Surgery.  
 ERNEST B. STRUTHERS, B.A., M.D. (Toronto), D.T.M.H. (Eng.) Associate Professor of Internal Medicine.  
 \*SUSAN SHARPE WADDELL, B.A. (Wilson College), M.D. (Univ. of Pittsburg.) Associate Professor of Physiology & Pharmacology.  
 YEH LU MING, M.D. (S.C.U.) Assistant Instructor in Anatomy.  
 YU CHIA-CHUN, M.D. (S.C.U.) Associate in Dermatology.  
 YU FU-HSIN, Clinical Pathologist.  
 †YEN PIN, Assistant Clinical Pathologist.

\*On furlough 1932-33.

#On " 1933-34.

†Temporarily Union Hospital, Hankow, 1932-33.

‡died during the year.

### HOSPITAL PROFESSIONAL STAFF

The attending professional staff of the hospital consists of members of the clinical departments of the School of Medicine.

#### RESIDENT STAFF

##### Medical Department.

H. H. CHANG, M.D. Resident in Medicine.  
 Y. C. SHAN, M.D. Assistant Resident in Medicine.  
 †C. Y. KU, M.D. " " " "  
 P. K. LI, M.D. " " " Pediatrics.  
 P. L. FAN, M.D. " " " "  
 W. Y. YU, M.B. " " " Dermatology.

##### Surgical Department.

C. L. CHAO, M.D. Resident in Surgery.  
 Y. Y. LIU, M.D. Assistant Resident in Surgery.  
 †C. S. LIANG, M.D. " " " "  
 †H. T. CHANG, M.D. " " " "  
 †L. M. YEH, M. D. " " " "  
 J. T. CH'EN, M.D. " " " Obs. and Gyn.  
 Dr. H.Y. LIU Clinical Assistant in Eye.  
 Dr. Y. F. LI " " " E. N. T.

#### Intern Staff. (Fifth Year Students)

Mr. CHANG HSI CHEN.	Mr. KIANG CHENG HSIN.
Mr. CHANG MEI.	Mr. KUNG CHEN TUNG.
Mr. CH'EN FENG I	Mr. KUO CH'UAN CHING.
Miss CH'EN KUEI CHIH.	Mr. LAN HSI CHUN.
Mr. CHENG HUAN CHANG.	Mr. LI HSI MIN.
Mr. CHU CHING MIN	Mr. LI LU CHIA.
Mr. FENG YEN CHEN.	Mr. LIU AN TUNG.
Mr. HOU TAO CHIH.	Mr. MIAO FU SHENG.
Mr. LI TEH P'U.	Mr. PI CHIN CHAO.
Mr. JEN PING CHEN.	Miss SUNG HAN CHEH.
	Mr. YEH CHIA HSIU.

### Nursing Staff and Training School for Nurses

<i>Superintendent and Principal.</i>	†FRANCES R. WILSON, B.S., R.N.
ROSA BELL, R.N.	Acting Superintendent.
CORAL M. BRODIE, R.N.	Instructor and Supervisor.
CHANG MING TUNG, N.A.C.	Head Nurse.
CHANG KUEI WEN, N.A.C.	Head Nurse.
CHANG SHAO YIN,	Staff Nurse.
FLORENCE EVANS, B.A., R.N.	Instructor and Supervisor.
CH'I LIN, N.A.C.	Head Nurse.
*MRS. P.B. PRICE, B.C. R.N.	Instructor and Supervisor.
MOLLIE E. TOWNSEND, R. N.	Anesthetist and Supervisor.
WANG HSUAN YUN, N.A.C.	Supervisor of Operating Room.
WANG YU FANG,	Staff Nurse.
HAN FENG YIN, N.A.C.	Head Nurse.
KAO CH'ING YUN, N.A.C.	Head Nurse.
T'AO AI CHU, N.A.C.	Head Nurse.
JEN CHIEH P'U, N.A.C.	Head Nurse.
KAO CHIU.	Staff Nurse.

### Massage Department

GLADYS V.L. NUNN, (E. Suffolk Hospital, Ipswich; London School of Massage, Westminster Hospital, Reg. Mem. C.S.M.M.G.)  
LIU LIEN HSI, N.A.C (S.C.U. Hospital).  
WING-LIN CHING LAN (S.C.U. Hospital).

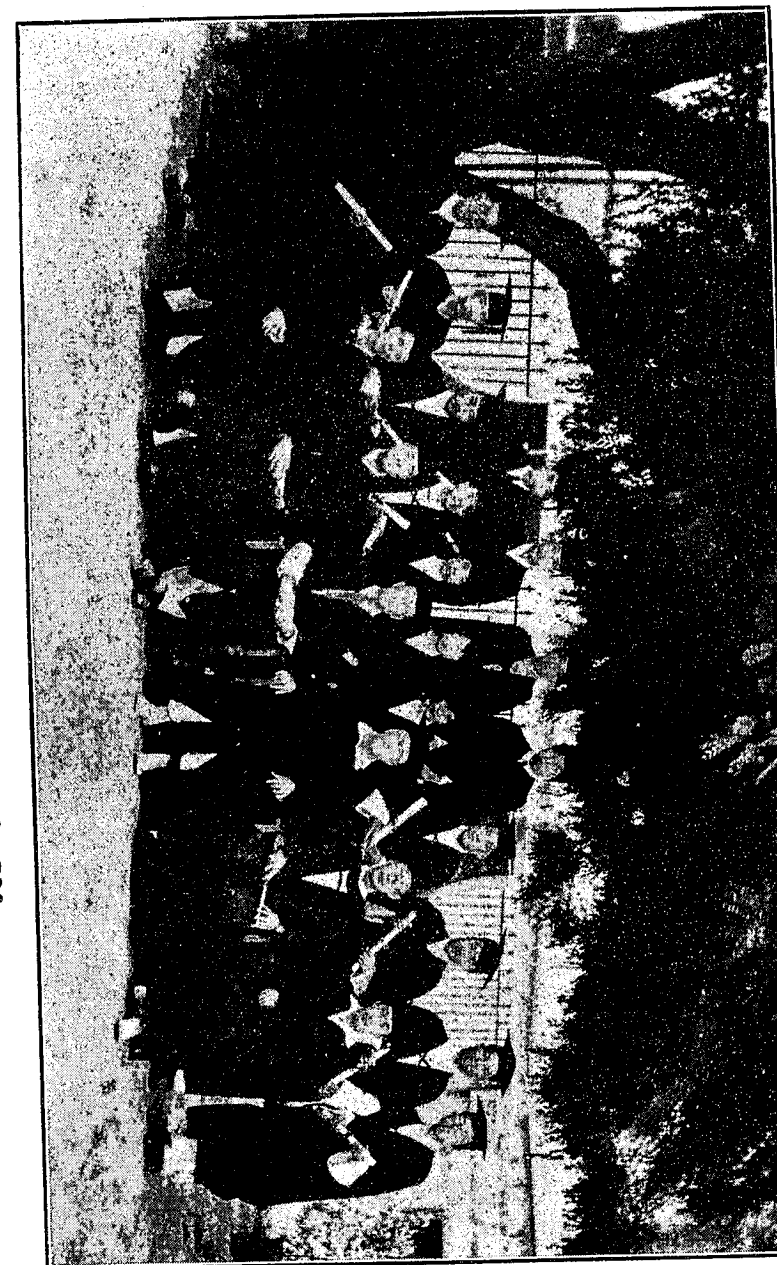
### ADMINISTRATIVE OFFICES

JESSE B. WOLFE, B.A., Business Manager, Medical School & Hospital.  
\*MAIDA MORTON SMITH, Secretary to the Dean, School of Medicine.  
ELLY POULSEN, Secretary for part of year.  
YEN CHAO, Assistant Business Manager.  
LIU HUNG YU, Office Assistant.  
WANG CHIA SHAN, Store-keeper.

\*On furlough during year or part of year.

†Part of year only.

‡Sick leave.



GRADUATES IN PHARMACY

## REPORT OF THE SCHOOL OF MEDICINE FOR THE YEAR ENDING JUNE 1933.

We are glad to report that there was no interruption to the routine work of the School of Medicine during the past session. There were enrolled during the year 98 students—82 men and 16 women—besides 3 special students. The graduating class numbered 28, three of them being women. Fortunately the P.U.M.C. needed internes this year so we arranged for 7 of our Senior Class to go to them for internship, and thus were relieved of the difficulty of giving clinical instruction to so many internes in our small hospital.

The regular class in Pharmacy finished their two years work and graduated in June. There were 17 in this class, three of them being women. We are preparing to take a new class in Pharmacy for a two years course, beginning September 1933.

The second class in Massage and Electro-Therapeutics, after taking a six months course, was graduated in March. There were 5 in the class, 4 nurses and 1 doctor. Miss Nunn is planning to take another class of 6 nurses in September for a six months course. There is a growing appreciation of this training of nurses in Electro-Therapeutics and Massage.

A class of three technicians was graduated in the spring after a one year course. There is now a class of 4 in training. Only the lack of laboratory and hospital space and the limited number of teachers prevents our expanding our class in Medicine and also in Pharmacy, Massage, Electro-Therapeutics and Technician training. There is a growing demand for qualified students trained in all of these departments and year by year there is a better prepared class of students applying for medicine and its allied subjects. Our fundamental difficulty is one of funds, by which we could expand our teaching facilities and increase our staff and thus do more towards filling the great need for medicine.

As a practical method of assisting our own graduates and other doctors located in the smaller places, we are planning to have a short post-graduate course of 15 days in October, when lectures and demonstrations of a practical nature will be given by various members of the staff. More than 20 doctors are expected to attend this course.

— 7 —

According to a statement prepared during the past session concerning the number and distribution of Cheeloo medical graduates, there were 271 graduates, of whom 12 are dead. Of the others 101 were working in Cheeloo and other Mission hospitals, 42 in Government or other public institutions, and 111 in private practice. They were located in 13 of the provinces of China Proper besides Manchuria. Taking 6 of the large port cities of China, excluding Tsinan, there were only 62 of our graduates located in these cities, of whom 22 were in Mission hospitals, leaving 40 in other hospitals, Government service or private practice. This proves conclusively that our graduates do not as a rule collect in larger cities. Of the 23 women graduates, 11 were working in Mission hospitals and 11 in private practice. 101 of our graduates were serving 28 Missions in 56 hospitals distributed in 14 provinces. The statistics for the recent graduating class of 28 shows that 23 are in Cheeloo and other Mission hospitals, two being in Government service and none in private practice. This recent class brings our total to 287 living graduates, all but two or three of whom are reported as being still in active practice.

**Extra Curricula Activities:** The Students' Medical Society has continued to function and has invited members of the staff and others to give special lectures at intervals during the session. The Staff Journal Club has met fortnightly, and besides this there is an Internes' Journal Club which meets at regular intervals.

**Visiting Lecturers:** During the spring Dr. Maxwell of the P.U.M.C. paid his annual visit to us and gave 5 lectures on Obstetrics and relative subjects, which were well attended by the staff and students. During the past two years arrangements have been made whereby Dr. Maxwell visits us in the spring and in return Dr. Gordon King goes to the P.U.M.C. in the autumn to give special lectures. Through the courtesy of the P.U.M.C. we were also enabled during the spring to have Dr. C.E. Forkner of their Department of Internal Medicine visit us and give a number of interesting lectures.

Bible classes have been conducted by certain members of the staff during the year for students and employees.

During March and April, 9 doctors of our staff, 2 nurses and 10 internes volunteered to go as 2 Red Cross Units to Peiping, where they

did service in one of the temporary hospitals, caring for several hundred wounded during the month that they were away.

**Staff:** There has been no increase in the number of teachers during the year. Dr. P.K. Li has resigned from the Department of Pediatrics. Drs. Evans, Smyly, Gault, Waddell and Mr. Pailing returned from furlough. Drs. Scott, Price and Chang are expected to return in the autumn. Drs. Mosse and Stearns with their families and Miss Morton Smith, left on furlough during the spring. Special arrangements have been made to allow Dr. Gell to remain at the Union Hospital in Hankow until the spring of 1934, when she will return to the Department of Obstetrics and Gynecology.

The School of Medicine suffered a great loss in April by the death of Mr. Yen Pin. As a technician and teacher for many years he has done his work most efficiently. Because of this and his personal characteristics he was held in high esteem by staff and students alike and it will be difficult to get anyone to carry on his work in the spirit in which he did it.

We are sorry to report that Cheeloo is again without a dentist; however arrangements are being made whereby we are to have a dentist for at least part time.

**Hou Tsai Men:** As noted in last year's report, an outside Maternity Clinic has been conducted in the city by Miss Madelaire and Miss Liu the resident midwives, Dr. Peh being in professional charge. From December 1st 1931 to November 30th, 1932, there were 48 deliveries. From December to the end of April this year there were 32. This shows a very encouraging increase. Besides this there have been many visits and treatments.

The Council on Publication of the Chinese Medical Association has continued to operate from Cheeloo School of Medicine. Apart from Dr. McAll and the Chinese staff of the Translation Bureau, who give their whole time to the work, several other members of the Medical School have been giving part time. Work on the following books has been carried on:—

Delafield & Prudden's Pathology  
Pathological Histology

Dr. Hou.  
Drs. Hou & Mosse.

Rose & Carless' Surgery (Retranslation)	Dr. Ingle.
Useful Drugs (New Edition)	Dr. Kiang.
Stitt's Practical Blood Work (New Edition)	Dr. Kiang.
Eden & Holland's Obstetrics	Mr. Leo.
Cunningham's Practical Anatomy	Mr. Leo.
English-Chinese Lexicon Appendix	Mr. Leo & Dr. McAll
Cameron's Biochemistry	Mr. Li.
Holt's Diseases of Children (Retranslation)	Drs. McAll & Gillison.
May's Eye Diseases (Revision)	Dr. McAll.

Other work on hand includes a revision of Sturton's X-ray Handbook, a new edition of Bruce & Dilling's Materia Medica and the preparation of articles for the Chinese Medical Journal, which is issued bi-monthly.

**The Department of Pathology:** Besides the ordinary teaching work during the past year, there were made 5331 Wassermann tests, all checked by the Kahn and sedimentation test also. There were also 2759 blood groupings made. In the Bacteriological Division 933 examinations were made. This is a 30% increase over the last year. There were 1329 surgical pathological examinations made during the year, most of the specimens being sent from outside hospitals. To be exact, there were 39 hospitals in 8 different provinces which sent specimens. In this way we are able to help outside hospitals in making examinations for diagnosis.

**Public Health:** The work begun three years ago by Drs. Waddell and Ch'en in three nearby villages has been kept up and improved. Daily primary schools are run in two of the villages, with 27 pupils in one school and 16 in the other. Sunday schools are conducted by some of the medical and other University students. The teaching in the day schools is done partly by volunteers and partly by paid teachers. There is a trained nurse who gives half time to the village work.

During the year regular visits have been made by junior members of the staff every five days to Lung Shan, the village where Cheeloo is doing rural extension work. It is planned that next year more time will be given to this clinic.

**Physical Plant:** During the year the new power house, in which are installed two Babcock & Wilcox boilers of 80 and 60 horse power, and



an AEG engine of 40 horse power and generator of 25 kilowatts, has been erected. This plant will give steam heat to the Medical School, Hospital, and Student Dormitories, will run the high pressure sterilisers and will also provide for the electric needs of the Medical School and partly for lighting the whole of the University buildings, including residences; and will also run the pumps for our supply of water. In caring for the latter work we will also use electric current from the city. In addition, we have a Diesel engine of 17.5 kilowatts to act at a standby and auxiliary. The total cost of the new plant is approximately Mex. \$60,000.

We have also erected a second small bungalow on the London Mission property by special arrangement with this Mission, and a small semi-detached residence on the Medical School property.

Before the opening of the fall term a new 14-roomed dormitory will have been erected in the student dormitory compound and certain necessary enlargements and improvements will be made in the students' bath house. The cost of these dormitory improvements has been met by a fund allocated several years ago from interest on the Hospital Building Fund for such purposes.

**Finances:** We are glad to be able to report that by careful management we have closed the fiscal year without a deficit. To live within the budget it a very difficult matter these days. Nearly every contributing mission made more or less heavy cuts on their appropriations. Most of these appropriations are paid in gold, some in silver. During the past 12 months the exchange on gold has been unusually high, therefore the difference in exchange has offset the cuts in gold. The Rockefeller Foundation paid their annual grant in 20,000 silver and 10,000 gold and the exchange on this grant enabled us to balance the budget. The situation next year is probably going to be more difficult as the exchange on gold is falling and the mission cuts are continuing and may be increased.

**Needs:** Five years ago the O.P.D. building was rearranged so as to try to take care of the 40,000 visits par annum. Since that time the number has increased to over 70,000 and the building is crowded beyond its reasonable capacity. There is a natural increase in hospital patients, especially obstetrics and gynecology. In-patients in this Department jumped from 168 at the end of June 1932 to 230 at the end of June 1933.

The need for enlargement is also emphasized by the fact that there is an increasing number of well qualified applicants for the School of Medicine, not only from the Cheeloo School of Science but from other colleges and universities, and there is a constant demand for graduates of the School of Medicine and its auxiliary branches.

It is hoped that work may soon begin on the new hospital. This is needed not only to care for the patients but to provide clinical material so that we may be able to train more students. The obvious need, of course, for the School of Medicine is a sufficient endowment to allow us to take care of an expanded plant and to add the necessary teachers, without which we would not be justified in largely increasing our student body.



MR. YEN PIN

**FINANCIAL REPORT FOR THE YEAR  
JULY 1st 1932 TO JUNE 30th 1933.**

**SCHOOL OF MEDICINE.**

**RECEIPTS**

Grants from Missions for General Expenditure:	Mex.
American Presbyterian Mission North . . . . .	\$ 2,000.00
American Presbyterian Mission South . . . . .	339.00
Baptist Missionary Society . . . . .	3,400.00
British Section Board of Governors . . . . .	2,000.00
London Missionary Society . . . . .	1,333.33
Society for the Propagation of the Gospel . . . . .	2,362.50
United Church of Canada Mission . . . . .	1,053.80
United Church of Canada, Women's Missionary Society	3,643.89
English Methodist Missionary Society . . . . .	7,143.00
Women's Committee (A.P.M.N. and W.F.M.S.) . . . . .	11,732.00
Federated Women's Boards, Day of Prayer . . . . .	335.73
	<u>\$ 35,393.25</u>
Rockefeller Foundation Grant . . . . .	65,174.82
Students' Fees . . . . .	7,830.00
Tsinan Medical Review . . . . .	26.50
Power Plant Refund . . . . .	1,889.35
	<u>110,313.92</u>
Less Transfer to Hospital . . . . .	31,988.38
<b>TOTAL</b>	<u><u>\$ 78,325.54</u></u>

**EXPENDITURES**

a. Administration . . . . .	13,247.86
b. Salaries paid by Medical School . . . . .	39,374.56
c. Departmental . . . . .	14,637.19
d. Maintenance . . . . .	10,592.73
e. Suspense Accounts . . . . .	473.20
<b>TOTAL</b>	<u>\$ 78,325.54</u>

**HOSPITAL: (details in separate Hospital Report).**

Local Receipts . . . . .	\$ 85,522.32
Transfer from Medical School . . . . .	31,988.38
	<u>\$117,510.70</u>
Expenditures . . . . . <b>TOTAL</b>	<u>\$117,510.70</u>

The above financial statement does not include receipts and expenditures on account of the various co-operating missionary societies for the salaries, allowances and furloughs of the missionary members of the staff, amounting, approximately, to Mex. \$100,000 for the Medical School and Hospital for twelve months.

**BOARD OF GOVERNORS**

Chinese Section: President, ex-officio, Dr. Chang Po-ling Dr. Cheng Ching-yi, Dr. Y. Y. Tsu.

**British Section:**

**Class of 1933**

MISS M.E. BOWSER, B.M.S.  
DR. R.F. MOORSHEAD, B.M.S.  
REV. C.E. WILSON, B.M.S.  
MR. K. MACLENNAN, L.M.S.  
DR. H.H. WEIR, S.P.G.  
DR. A.W. HOOKER, W.M.M.S.  
MISS C. HORNBY, W.M.M.W.A.  
DR. P.K. HILL, Alt. for DR. HOOKER  
SIR ALFRED LEWIS, COOPTED  
MR. W.B. SLOAN " )  
(2 vacancies " )

**Class of 1935**

PROFESSOR J.P. BRUCE, B.M.S.  
DR. A.C. INGLE, B.M.S.  
MR. H.G. JUDD, E.P.M.  
MR. F.H. HAWKINS, L.M.S.  
REV. GODFREY PHILLIPS, Alt. for  
MR. HAWKINS  
REV. W.A. GRIST, W.M.M.S.  
LORD ADDINGTON, S.P.G.  
DR. H.W.S. WRIGHT, S.P.G.  
DR. W.T.A. BARBER, COOPTED  
DR. HAROLD BALME "  
MISS E.G. KEMP "

**North American Section**

MISS M.E. HODGE, P.N.  
MISS H. KITTREDGE, Alt. - P.N.  
DR. E.M. DODD, Alt. - P.N.  
DR. CLELAND B. McAFEE, P.N. (Alt)  
DR. J.H. ANRUP, U.C.C.  
MRS. H.R. INKSATER, W.M.S. OF  
U.C.C.  
MRS. C.K. CECIL, W.F.M.S.  
(VACANCY A.B.C.F.M.)  
DR. R.L. DICKINSON, COOPTED  
DR. J.H. FINLEY, "  
DR. SETH MILLIKEN, "  
MISS SARAH STURTEVANT COOPTED  
SECRETARIES:— MR. B.A. GARSIDE, MR. C.A. EVANS

DR. A. J. BROWN, P.N.  
DR. GEO. T. SCOTT, P.N.  
MRS. C.K. ROYS, P.N.  
DR. C.H. FENN, Alt. - P.N.  
DR. A.E. ARMSTRONG, U.C.C.  
DR. A.G. SINCLAIR, Alt. - U.C.C.  
MRS. J.M. AVANN, W.F.M.S.  
MRS. W.I. HAVEN, W.F.M.S.  
DR. W.C. FAIRFIELD, A.B.C.F.M.  
MR. E.F. WILLIS, P.S.  
DR. J.G. VAUGHAN, CORRESP. MEM.  
MRS. ELLIS PHILLIPS, COOP.  
BISHOP W.P. THIRKIELD "  
DR. E.S. TIPPLE "  
MISS E.G. KEMP "

**BOARD OF DIRECTORS**

**Elected Mission Representatives**

APMN DR. R. C. WELLS  
MR. S. K. TAN  
APMS DR. A.A. MCFADYEN  
UCCM REV. G. K. KING  
EBM REV. H. PAYNE  
REV. W. B. DJANG  
LMS REV. ALEXANDER BAXTER  
SPG BISHOP T. A. SCOTT  
WMMS DR. H. T. CHIANG

**Women's Boards**

APMN DR. C. BASH  
WFMS MISS H. H. TSENG  
SPG MISS JOAN CHANG  
UCCM VACANCY

**Elected Alumni Representatives**

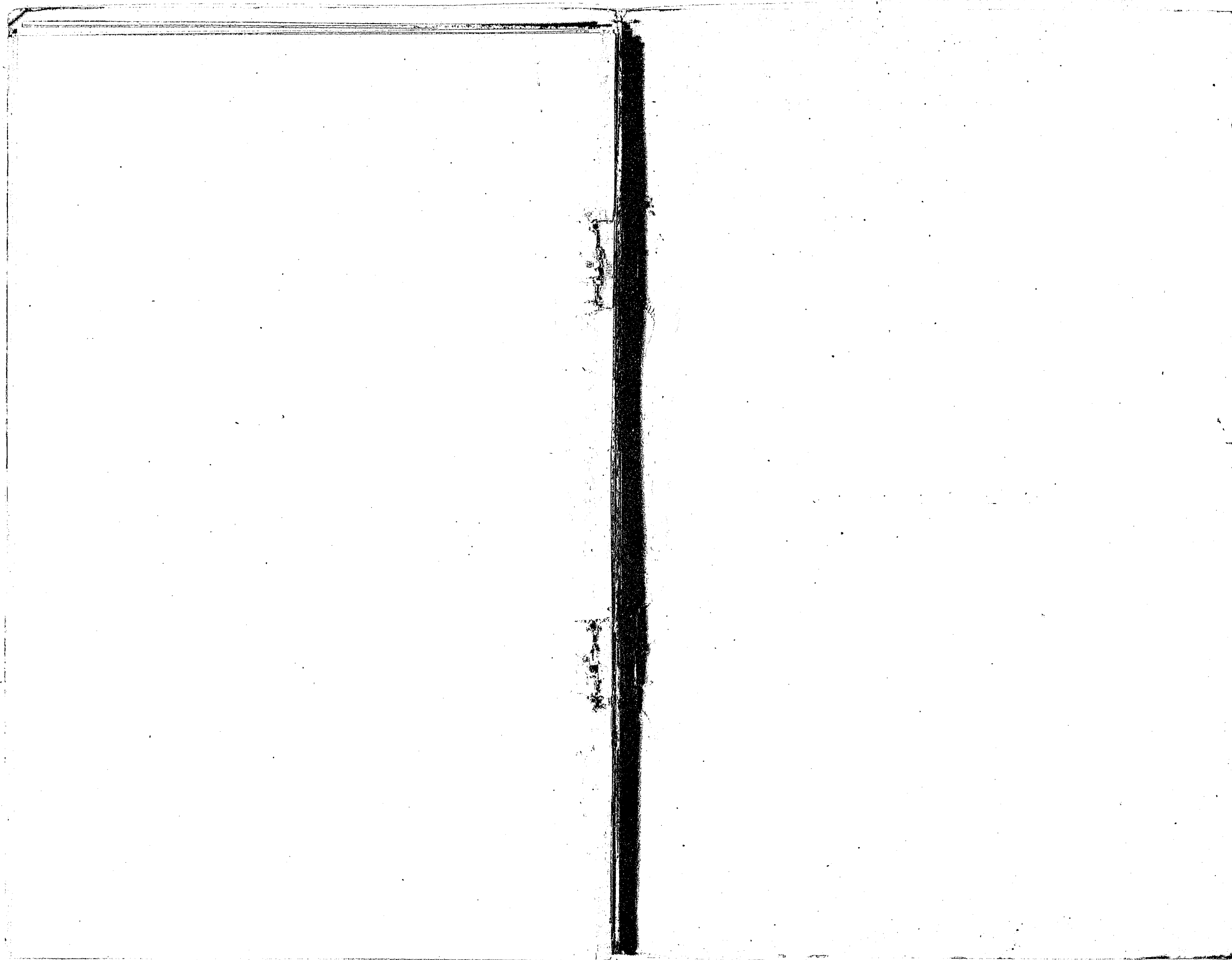
REV. H. L. YEE  
MR. CHANG TA-CH'EN  
DR. CH'EN T'ENG  
Dr. C. H. Han  
DR. CH'AI TZU-LUNG

**Members by co-option**

DR. Y. Y. TSU  
GEN. CHANG CHIH-KIANG  
DR. S. C. CH'UAN  
MR. H. C. WANG  
DR. H. H. K'UNG  
MR. Z. V. LEE  
MR. T. H. SUN

**Members ex Officio**

ASSOCIATE PRESIDENT L. J. DAVIES



REPORT of the SCHOOL OF MEDICINE  
of CHEELOO UNIVERSITY  
(SHANTUNG CHRISTIAN UNIVERSITY)

1934

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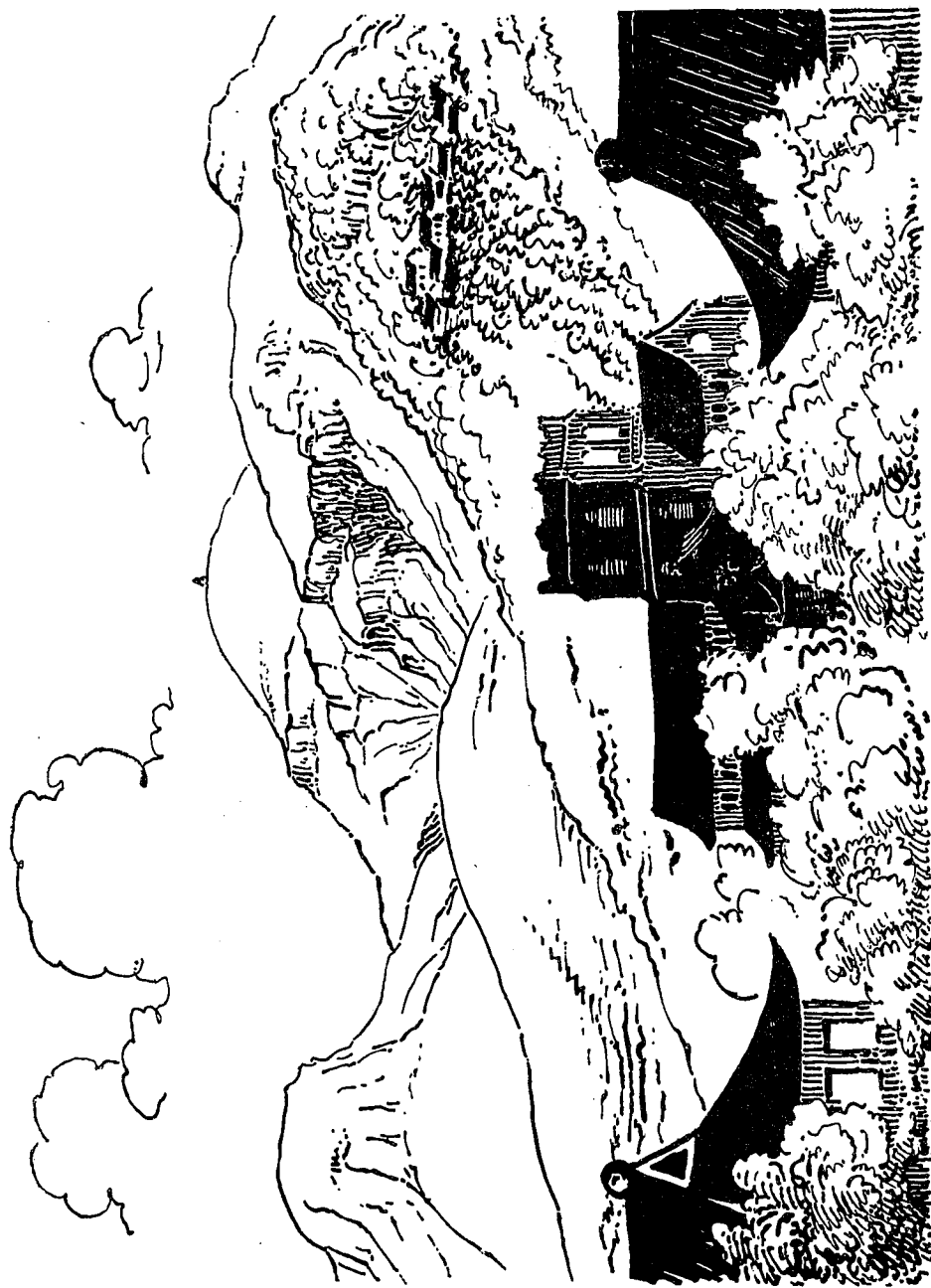
REPORT  
OF THE  
SCHOOL OF MEDICINE  
OF  
CHEELOO UNIVERSITY  
(SHANTUNG CHRISTIAN UNIVERSITY)

---

FOR THE YEAR ENDING JUNE 30th, 1934

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TSINAN, SHANTUNG, CHINA.



## SCHOOL OF MEDICINE FACULTY AND INSTRUCTORS

- RANDOLPH TUCKER SHIELDS, B.A. (Washington & Lee), M.D. (Med. Coll. Virginia). Dean of the School of Medicine. Professor of Histology and Embryology.
- CHANG HUI-CHUAN, M.D. (S.C.U.). Associate in Histology and Embryology.
- CHAO CH'ANG LIN, M.D. (S.C.U.). Assistant Instructor in Surgery.
- CH'EN YEN PING, M.D. (S.C.U.). Associate in Physiology.
- CHU CHING SHEN. Instructor in Pharmacy & Materia Medica.
- PHILIP SAFFERY EVANS, Jr., B. A., (Yale), M.D. (Johns Hopkins). Professor of Physiology.
- FAN P'EI LU, M.D. (S.C.U.). Instructor in Pediatrics.
- ARABELLA SANGSTER GAULT, B.A., (Wooster), M.D. (Johns Hopkins). Associate in Medicine.
- MARY P. GELL, M. B., Ch. B., (Sheffield). Associate in Obstetrics & Gynecology.
- \*HOU PAO CHANG, M.D. (P.U.M.C.), Graduate (S.C.U.). Associate Professor of Pathology.
- HSU YIN TANG, M.D. (Nat. Govt. Med. Coll.). Associate in Pathology.
- LAURENCE MANSFIELD INGLE, B.A., M.D., Ch. B. (Cantab.), F.R.C.S. (Eng.). Assistant Professor of Surgery.
- PETER CH'ING KIANG, B.A. (St. John's), M.D. (Univ. of Penn.). Director of Studies. Professor of Bio-chemistry.
- GORDON KING, L.R.C.P. (Lond.), F.R.C.S. (Eng.), F.C.O.G. Assistant Professor of Obstetrics & Gynecology.
- #LANG KUO CHEN, M.D. (S.C.U.). Associate in Otolaryngology.
- LI SHOU CH'ENG, M.D. (S.C.U.). Associate in Bacteriology.
- LI TSAN WEN, B.S. (Soochow Univ.). Associate in Bio-chemistry.
- #LIN LIEN CH'ING, M.D. (S.C.U.). Associate in Medicine.
- LIU HUA YANG, GRADUATE (S.C.U.). Instructor in Ophthalmology.
- LIU KWO HUA. Assistant in Pharmacy.



- #PERCY LONSDALE McALL, B.A. (Cantab.) M.B., Ch. B. (Edin.). Head of Translation Department and Lecturer.
- WILLIAM McCLURE, B.A., M.D., C.M. (McGill). Professor of Internal Medicine.
- #JULIA MORGAN, M. A. (Dickinson Coll.) M.D. (Univ. of Penn.). Associate Professor of Internal Medicine.
- FRANCIS HENRY MOSSE, M.A. (Oxon.), M.R.C.P. (Lond.). Associate Professor of Internal Medicine.
- †PA TA CHIH, M.D. (P.U.M.C.). Assistant Professor of Ophthalmology.
- WILLIAM PERCY PAILING, B.D., M.P.S., Ph. C. (Lond.). Associate Professor of Materia Medica & Pharmacy. Chaplain of the University Hospital.
- ESTHER PEH, M.D. (Peking Women's Med. College). Associate in Obstetrics & Gynecology.
- PHILIP B. PRICE, B.A. (Davidson), M.D. (Johns Hopkins). Assistant Professor of Surgery. Acting Superintendent University Hospital.
- ANNIE V. SCOTT, B.S. (Univ. of N. Carolina), M.D. (Women's Med. Coll. of Penn.). Associate Professor of Pediatrics.
- EILEEN M. SMYLY, M.D., B. Ch. (Queen's Univ. Belfast). Lecturer in Medicine.
- H. JOCELYN SMYLY, M.A., M.D., Ch. B., F.R.C.S. (Ireland). Associate Professor of Medicine. Superintendent of Leper Hospital.
- \*THORNTON STEARNS, B.A. (Davidson), M.D. (Johns Hopkins), F.A.C.S. Professor of Surgery.
- ERNEST B. STRUTHERS, B.A., M.D. (Toronto), D.T.M.H. (Eng.). Associate Professor of Internal Medicine.
- †SUSAN SHARPE WADDELL, B.A. (Wilson College), M.D. (Univ. of Pittsburg). Associate Professor of Physiology & Pharmacology.
- YEH LU MING, M.D. (S.C.U.). Instructor in Anatomy.
- YEW CHIA-CHUN, M.D. (S.C.U.). Associate in Dermatology.
- YU FU-HSIN, Chief Technician.

\*On furlough 1933-1934.

# " " 1934-1935.

†Died during the year.

†Resigned during the year.

## HOSPITAL PROFESSIONAL STAFF

The attending professional staff of the hospital consists of members of the clinical departments of the School of Medicine.

### RESIDENT STAFF

#### Medical Department.

†H. H. CHANG, M.D.,	Resident in Medicine.
C. T. KUNG, M.D.	Asst. " " "
H. C. LAN, M.D.	" " " "
Y. C. SHAN, M.D.	" " " "
P. L. FAN, M.D.	" " " Pediatrics.
C. C. PI, M.D.	" " " "
H. C. CHANG, M.D.	" " " Dermatology.
C. H. KIANG, M.D.	" " " "

#### Surgical Department.

C. L. CHAO, M.D.,	Resident in Surgery.
C. S. LIANG, M.D.,	Asst. " " "
Y. Y. LIU, M.D.	" " " "
Miss K.C. CH'EN, M.D.	" " " Obs. and Gyne.
C. C. KUO, M.D.	" " " "
Dr. H. Y. LIU,	Clinical Assistant in Eye.
Dr. Y. F. LI,	" " " E.N.T.

### INTERNE STAFF (Fifth Year Students)

CHANG JU CHIEN.  
 CHANG YAO TEH.  
 CH'EN HSUEH YUAN.  
 Miss CHU YU.  
 HSIEH CHING KU'EI.  
 LI CH'YI YING.  
 LI HSI SHENG.  
 Miss LI MEI CHING.  
 Miss LIN YU YING.  
 T'U CH'UAN CHIEH.  
 TU PO T'AO.  
 WEI HSING CHIEN.  
 WU HUI.  
 YANG HUAN WEN.

†Resigned during year.

### NURSING STAFF (HOSPITAL AND TRAINING SCHOOL FOR NURSES)

*FRANCES R. WILSON, B.S., R.N.	<i>Superintendent and Principal.</i>
ROSA BELL, R.N.	Instructor and Supervisor.
CORAL M. BRODIE, R.N.	Instructor and Supervisor.
CHANG MING TUNG, N.A.C.	Head Nurse.
CHANG KUEI WEN, N.A.C.	Head Nurse.
CHANG SHAO YIN,	Staff Nurse.
FLORENCE EVANS, B.A., R.N.	Instructor and Supervisor.
CH'I LIN, N.A.C.	Head Nurse.
Mrs. P.B. PRICE, B.A., R.N.	Instructor and Supervisor.
MOLLIE E. TOWNSEND, R.N.	Anesthetist and Supervisor.
WANG HSUAN YUN, N.A.C.	Supervisor of Operating Room.
HAN FENG YIN, N.A.C.	Head Nurse.
KAO CH'ING YUN, N.A.C.	Head Nurse.
T'AO AI CHU, N.A.C.	Head Nurse.
†JEN CHIEH P'U, N.A.C.	Head Nurse.
HSIAO KUN SHAN.	Staff Nurse.
TUNG YU YING.	Dietician.

#### Massage Department

GLADYS V.L. NUNN, (E. Suffolk Hospital, Ipswich; London School of Massage, Westminster Hospital, Reg. Mem. C.S.M.M.G.).

LIU LIEN HSI, N.A.C. (S.C.U. Hospital).

WANG-LIU CH'ING LAN (S.C.U. Hospital).

#### Social Service Department

HAZEL H. MYERS.

#### ADMINISTRATIVE OFFICES

JESSE B. WOLFE, B.A., Business Manager, Medical School & Hospital.

\*MAIDA MORTON SMITH, Secretary to the Dean, School of Medicine.

ELLY POULSEN, Secretary for part of year.

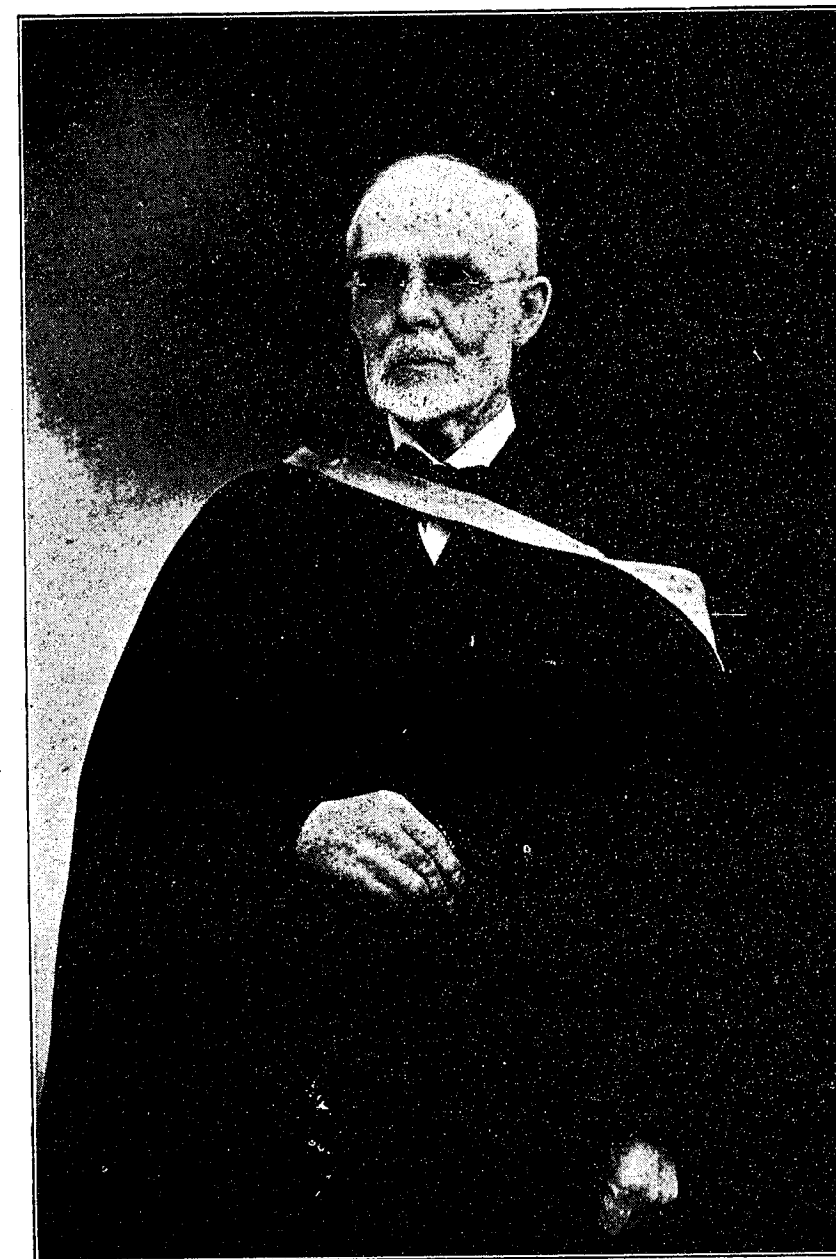
YEN CHAO, Assistant Business Manager.

LIU HUNG YU, Office Assistant.

WANG CHIA SHAN, Store-keeper.

\*On furlough during year or part of year.

†Resigned during year.



*Dr. William McClure*

REPORT OF THE SCHOOL OF MEDICINE  
CHEELOO UNIVERSITY,  
FOR THE YEAR ENDING JUNE 30th, 1934.

---

The work of the School of Medicine has gone on during the past year without interruption. The number of students enrolled was 90 regular and 2 special, 19 of these being women.

A new class in Pharmacy was admitted last September for a 2-year course. This class consists of 14 men and 7 women.

3 technicians completed their 1-year laboratory course in March and a new class of 4 was admitted.

5 nurses took the 6-months course in Massage and Electrotherapeutics and received their certificates in March.

If we had sufficient facilities and personnel, we could take more of these special students in Laboratory Technique, as well as in Massage and Electrotherapeutics, as there is a constant demand from hospitals for the training of such people.

Special efforts were made to obtain a gathering of alumni at the time of graduation, and 14 graduates of the Medical School from various parts of China were able to be present for a few days at that time. These included five graduates of the former North China Union Medical College for Women, and we were glad to have this opportunity of welcoming these earlier graduates and linking them up to Cheeloo.

The graduating class in the Medical School numbered 14,—11 men and 3 women, - bringing the total number of living graduates of the School of Medicine up to 299, in addition to the 57 graduates of the former North China Union Medical College for Women. Of the 1934 class, five are remaining as Assistant Residents in our own hospital, while seven have taken positions in mission hospitals in different parts of the country, and two have gone into government medical service.

**PUBLIC HEALTH.** The development of Public Health work by the government is making a constant demand on us for graduates to go into this field of work. Several of our more recent graduates are now working in the Government Public Health Service, and two of our more senior graduates have recently been appointed as health officers in charge of the public health work in two of the north-western provinces.

The public health work of the Medical School is still handicapped by our failure to find a permanent head for this department, but a certain amount of work is being done by various members of the staff, locally and at Lungshan. The work at Lungshan has greatly increased during the year, since Dr. Evans has been going there regularly twice a week to hold a clinic. The number of cases treated at the clinic has risen from 1979 in 1932-33 to 2940 in 1933-34. This work is carried on in connection with the Rural Institute of the University. Some voluntary medical work has been kept up in the villages near the campus by a few of the students. We are also hoping to co-operate in some semi-official public health work that has been started at Choup'ing, a near-by town, where one of our old graduates has been appointed as the medical officer in charge.

In response to an application made by the School of Medicine, we are hoping to receive a grant from the Government to enable us to help in the development of co-operative health work in rural districts and in certain schools in Shantung.

**VISITING LECTURERS.** In February, Dr. Dieuaide, head of the Department of Medicine at the P. U. M. C., paid us a visit and gave several interesting lectures to staff and students.

Dr. Maxwell, head of the Department of Obstetrics and Gynecology of the P. U. M. C., paid his annual visit to us in April and gave four lectures which were, as usual, greatly appreciated. According to our arrangement with the P. U. M. C., Dr. Gordon King goes up to assist in the special course in Obstetrics given at the P. U. M. C. in the autumn, in exchange for Dr. Maxwell's visit to us in the spring.

**POST-GRADUATE COURSE.** In October we gave a short post-graduate course of two weeks. 22 doctors in all attended, 16 of whom were Cheeloo graduates. We hope to continue giving a more or less

similar course each year, and, if we had a larger staff, we should like to carry it on over a longer period, as we believe that a course of this kind is very helpful to doctors working in hospitals in the interior.

**DEPARTMENT OF PATHOLOGY & BACTERIOLOGY.** The Pathology Department has continued the practice started two years ago of making examinations of specimens for outside hospitals. During the past year, these amounted to more than half the total number of specimens examined, as shown by the following figures:—

No. of pathological specimens examined from outside hospitals . . .	954
" " " " " " Cheeloo hospital . . .	847
Total	1801

The above specimens were sent from 49 hospitals, in 8 provinces. This work for outside hospitals is done without charge and it is becoming rather an expensive item, so that, in future, we shall probably have to make a small charge to cover expenses.

The Department of Bacteriology, besides doing the routine work of teaching students, making media and sera, and doing examinations for the University hospital, has also been able to serve outside hospitals. Out of 962 examinations made, 58 were for outside hospitals. Wassermann Tests totalling 5046 were made during the year by the Department, of which 460 were for outside hospitals.

**RELIGIOUS ACTIVITIES.** During the year there have been, in addition to the daily morning prayers in the Medical School, Bible classes and Bible study groups conducted by members of the staff or by the students themselves.

**STAFF.** Dr. and Mrs. Mosse and Miss Morton Smith returned from furlough in the spring, and Dr. and Mrs. Stearns are expected to return at the end of the summer.

Dr. Gell returned from Hankow at the beginning of June, and will take charge of the work at the Hou Tsai Men Clinic in the autumn.

We regret to report several resignations which have taken place during the year. Dr. Heimburger, who had served on the staff of the Medical School and Hospital since 1922, resigned in March and has returned to

the United States. He will be greatly missed, as a specialist in Leprosy and Dermatology, as a translator, and, specially, for his marked efficiency as Superintendent of the Hospital.

We very much regret the loss of Dr. Susan Waddell, who resigned in April from the Department of Physiology to marry Dr. Hsu Shih Chu, a graduate of this school, of the class of 1933, now doing Public Health work at Tingsien.

Dr. McClure, for several years, has attempted to resign from his position as professor and head of the Department of Medicine, but he has repeatedly been urged to remain in this position on the Faculty. After his 78th birthday, last April, his colleagues at last regretfully agreed to recommend the acceptance of his resignation, and, at the same time, asked that he be made Professor Emeritus of the Department of Medicine. This appointment was approved by the Board of Directors at their meeting in June. During his seventeen years of service in the School of Medicine and Hospital, Dr. McClure has won the respect, admiration and love of all the staff and of succeeding generations of students. It is the hope of all that he will continue to live on the campus and keep up both his teaching and clinical work in the Medical School and Hospital, where his influence is so highly valued.

We regret to report the resignation of Dr. Esther Peh from her position in the Department of Obstetrics and Gynecology. Dr. Peh has done good work in this department, in the hospital, and in the teaching of students, during her five years service at Cheeloo, and has also built up the branch Obstetric Clinic at Hou Tsai Men, which is steadily growing and filling a real need. We wish Dr. Peh every success in her new work in the Women's Hospital of the Methodist Mission in Kiukiang.

Dr. Pa Ta Chih was found, in the summer of 1933, to be suffering from acute pulmonary tuberculosis and was, on this account, forced to resign from the position of head of the department of Ophthalmology which he had filled so well for many years. His condition became rapidly worse during the spring, and he died on June 26th in Peiping. During Dr. Pa's ten years of service at Cheeloo, the work of the Eye Department was steadily built up and its efficiency and usefulness greatly increased, owing to his professional skill and his personality. By his death, the Medical School and Hospital have sustained a serious loss, and it will be hard to fill his place.

Dr. Liu Hua Yang, who has been carrying on the Department practically single-handed during the past year, has had to take an enforced rest during the summer, on account of ill-health, and the routine work of the department is being carried on by the Surgical Department. During the Spring Term, thanks to the kind co-operation of the Ophthalmology Department of the Peiping Union Medical College, we were able to have the services of one of their staff, Dr. P'an Tso Hsin, for a month, to help with the teaching of the Ophthalmology course, as well as with the clinical work.

The secretarial work of the Dean's office was acceptably carried on by Miss Poulsen during Miss Morton Smith's absence on furlough.

Drs. Morgan and McAll left on furlough in June.

Dr. Hou Pao Chang received a fellowship from the Universities China Committee for special work in Pathology, in England, and left in December. He is finding his work in London interesting and valuable, and expects to return at the end of the year.

Dr. Lin Lien Ch'ing has received an appointment as a volunteer worker in the Massachusetts General Hospital, Boston, where she will do special work in the department of Internal Medicine. Dr. Lin will leave this summer and will be absent for a year.

Dr. Lang Kuo Chen has had the offer of a position for a year in the E.N.T. Department of the Sick Children's Hospital, Toronto, where he hopes to get valuable experience in otolaryngology. Dr. Lang left for Canada shortly after the close of the Spring Term.

We were very sorry to receive news last November of the death of Dr. L. H. Braafladt, in Sacramento, California. Dr. Braafladt served on the staff of the Medical School, as Head of the Department of Pathology, for nine years, resigning in 1927, since when he had lived in the U.S.A. The organisation of our Department of Pathology is due to his ability and efficiency, and his work and influence will long be remembered in the Medical School.

Dr. Eileen Smyly was appointed to the staff in November 1933, as Lecturer in Internal Medicine, and is helping in the teaching of Physical Diagnosis.

Official notification has recently been received from the Presbyterian Board in the United States of the transfer of Dr. T.C. Greene from Douw Hospital, Peiping to the staff of the School of Medicine. Dr. Greene will give most of his time to the work of the X-ray Department and the teaching of Neurology. It is hoped that Dr. Greene will begin his work here early in 1935.

**COUNCIL ON PUBLICATION.** The work of the Council on publication has continued without interruption during the year. As usual, most of the Council are members of the staff of the Medical School, but the burden of the work falls on the Editorial Secretary, Dr. McAll. During the coming year when he will be on furlough, the duties of the Editorial Secretary will be divided between Mr. Leo and Dr. Ingle.

During the past year the following books have been translated:—

Pathological Histology	Drs. Hou and Mosse
Useful Drugs (New Edition)	Dr. Kiang
Stitt, Blood Work (New Edition)	Dr. Kiang
English-Chinese Lexicon (New Edn.)	Mr. Leo & Dr. McAll
First Aid Manual (British Red Cross)	Mr. Leo

The following books are at present in process of translation:—

Surgery (Rose & Carless)	Dr. Ingle
Practical Anatomy (Cunningham)	Mr. Leo
Obstetrics (Eden & Holland)	Mr. Leo
Easy Chinese Medical Reader	Dr. McAll
Medicine (Wheeler & Jack) 1st. half	Dr. McAll
Materia Medica (Bruce & Dilling)	Mr. Pailing & Mr. Liu Kuo Hua
Biochemistry (Cameron)	Mr. Li Tsan Wen

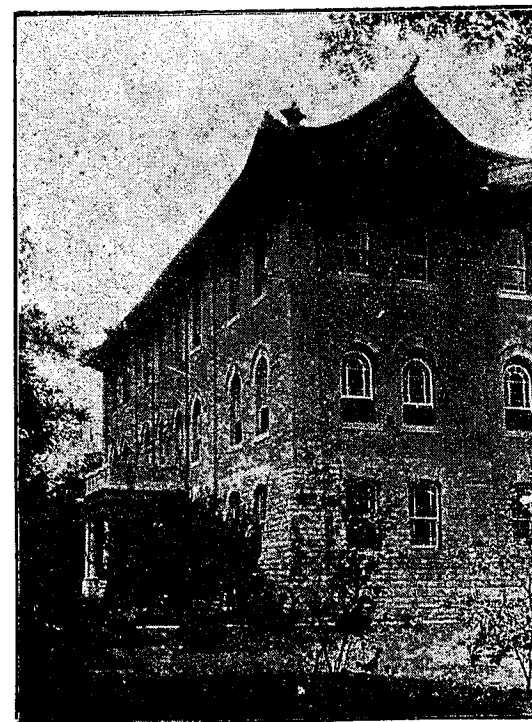
A handbook on Physio-therapy is also in process of preparation.

**NEW HOSPITAL AND OUT-PATIENT DEPARTMENT.** After having had our plans held up, for various reasons, for several years, we are now definitely planning to construct a new O. P. D. building and the west

wing of the new hospital, permission for this having been received from the Board of Governors. It is hoped that work will begin in the early autumn. Owing to the uncertain financial conditions, it is not thought wise to attempt the construction of the complete new hospital of 240 beds, which was originally planned, but the west wing will be built with a view to completing the construction of the whole hospital when conditions justify this step. However, since we have on hand sufficient funds for building, and as the present O.P.D. and number of hospital beds are entirely inadequate for our growing clinic, both from the standpoint of care of patients and teaching of students, and since there is reason to expect that better accommodation for in-patients and outpatients will attract more paying patients, and increase the income of the hospital, we consider that we are justified in making the above-mentioned additions to the hospital. The new plan will give us an O.P.D. with sufficient accommodation for, approximately, 100,000 treatments per year (we now treat about 75,000 patients annually), and the west wing will add approximately 50 beds to our present number of 109. The present O.P.D. building can then be used for Medical School expansion and/or an isolation hospital.

**FINANCIAL REPORT.** By careful economy in both the Medical School and Hospital, less money has been spent during the year than the amount budgeted. This was made necessary by cuts in appropriations and by the loss due to exchange. During the winter, the University received a notification that, owing to a change in the policy of the Rockefeller Foundation, their annual grant to the School of Medicine would be reduced by half for the year 1934-35 and that, thereafter, no grant would be given by the Foundation. The Rockefeller Foundation has made generous grants to the School of Medicine for the past 17 years, for which we are very grateful. The discontinuance of this grant at this time, however, makes it very difficult for us to balance our budget for the coming year and to carry on the work of the School in the future. For the coming year, by means of rigid economy, and by using the balance of Rockefeller Suspense Funds, the Medical School expects to be able to carry on without a deficit, but, unless we receive help from some sources before the end of the next fiscal year, we shall have to reduce our work drastically. We are making efforts to enlist the help of our alumni in

raising funds, and we also hope, as before mentioned, to receive a grant from the Government. We do not have, however, any guarantee of the continuance of such a grant, even if we should obtain it for this year. The only satisfactory way in which the Medical School can be carried on is by means of an endowment, and world conditions do not seem propitious at present for making a drive for any large amounts of money. It is hoped, however, that efforts will be made, both in China, America and England, to raise the funds necessary to keep the Medical School running.



*School of Medicine  
Main block*

**FINANCIAL REPORT FOR THE YEAR**  
**JULY 1st, 1933-JUNE 30th, 1934.**

**SCHOOL OF MEDICINE**

**RECEIPTS**

Grants from Missions for General Expenditure	Mex.
American Presbyterian Mission North . . .	\$1,600.00
American Presbyterian Mission South . . .	303.56
Baptist Missionary Society . . . . .	3,170.00
British Section Board of Governors . . . . .	500.00
London Missionary Society . . . . .	1,482.60
Methodist Missionary Society (English) . . . . .	6,427.00
Society for the Propagation of the Gospel . . . . .	2,025.00
United Church of Canada Mission . . . . .	1,174.00
United Church of Canada, Women's Missionary Society	2,651.23
Women's Committee (A.P.M.N. & W.F.M.S.)	10,695.17
Federated Women's Boards, Day of Prayer Offering	2,041.74
	<u>32,070.30</u>
Rockefeller Foundation Grant . . . . .	48,316.80
Students' Fees . . . . .	9,046.00
House Rentals . . . . .	485.90
Rockefeller Suspense Fund . . . . .	8,863.00
Special Suspense Fund . . . . .	460.67
	<u>99,242.00</u>
Less Transfer to Hospital . . . . .	23,418.62
<b>TOTAL</b>	<u><b>75,824.05</b></u>

**EXPENDITURES**

a. Administration . . . . .	15,950.66
b Salaries paid by Medical School . . . . .	38,220.03
c. Departmental . . . . .	11,666.77
d. Maintenance . . . . .	9,986.59
	<u>75,824.05</u>
<b>TOTAL</b>	<b>75,824.05</b>

**HOSPITAL** (details in separate Hospital Report)

Local Receipts . . . . .	95,874.68
Transfer from Medical School . . . . .	23,418.62
	<u>119,293.30</u>
<b>TOTAL</b>	<b>119,293.30</b>
Expenditures . . . . .	<u>119,293.30</u>

The above financial statement does not include receipts and expenditure on account of the various co-operating missionary societies for the salaries, allowance and furloughs of the 22 missionary members of the Medical School and Hospital staff.



*Women's Dormitory  
 (Leonard Hall)*



**BOARD OF GOVERNORS**

**CHINESE SECTION:** MR. T.I. LINN, Acting President, ex officio.  
DR. CHANG PO LING,  
DR. CH'ENG CHING YI  
DR. Y.Y. TSU.

**NORTH AMERICAN SECTION**

DR. A.J. BROWN,-	P.N.	MISS M.E. HODGE,-	P.N.
DR. G.T. SCOTT,-	P.N.	MR. J.H. REISNER,-	P.N.
MRS. C.K. ROYS,-	P.N.	MISS H. KITTREDGE,-	Alt. P.N.
DR. E.M. DODD,-	Alt. P.N.	DR. C.B. McAFEE,-	Alt. P.N.
DR. C.H. FENN,-	Alt. P.N.	DR. J.H. ARNUP,-	U.C.C.
DR. A.E. ARMSTRONG,-	U.C.C.	(one vacancy)	
DR. A.G. SINCLAIR,-	Alt. U.C.C.	MRS. JAMES HALES	
MRS. J.M. AVANN,-	W.F.M.S. of	MRS. H.R. INKSATER,-	W.M.S. of
	M.E. Church		U.C.C.
MRS. W.I. HAVEN,-	" "	MRS. C.K. CECIL,-	W.F.M.S.
DR. W.C. FAIRFIELD,-	A.B.C.F.M.		of M.E. Church
MR. E.F. WILLIS,-	P.S.	DR. E.H. HUME,-	A.B.C.F.M.
DR. J.G. VAUGHAN,-	Corresp. Men.	MISS S. STURTEVANT,-	Co-opted
MRS. E.L. PHILLIPS,-	Co-opted	DR. R.L. DICKENSON,-	"
DR. F.T. CARTWRIGHT,-	"	DR. S.M. MILLIKEN,-	"
(one vacancy)		DR. K.L. BUTTERFIELD,-	"

Secretaries:— MR. B.A. GARSIDE, MR. C.A. EVANS.

**BRITISH SECTION**

DR. J.P. BRUCE,-	B.M.S.	MISS M.E. BOWSER,-	B.M.S.
DR. A.C. INGLE,-	B.M.S.	DR. R.F. MOORSHEAD,-	B.M.S.
REV. T. COCKER-BROWN,-	L.M.S.	REV. C.E. WILSON,-	B.M.S.
REV. GODFREY PHILLIPS,-	Alt. L.M.S.	MR. K. MACLENNAN,-	L.M.S.
REV. W.A. GRIST,-	M.M.S.	DR. H.H. WEIR,-	S.P.G.
LORD ADDINGTON,-	S.P.G.	DR. A.W. HOOKER,-	M.M.S.
DR. H.W.S. WRIGHT,-	S.P.G.	SIR ALFRED LEWIS,-	Co-opted
DR. W.T.A. BARBER,-	Co-opted	MR. W.B. SLOAN,-	"
DR. HAROLD BALME,-	"	REV. A.G. CASTLETON,-	"
MISS E.G. KEMP,-	"	MR. H.G. JUDD,-	Treasurer

**BOARD OF DIRECTORS**

**Elected Mission Representatives**

DR. P.R. ABBOTT,-	P.N.	DR. H.R. WILLIAMSON,-	B.M.S.
MR. S.K. T'AN,-	P.N.	MR. W.B. DJANG,-	B.M.S.
DR. A.A. McFADYEN,-	P.S.	(Alt. MR. LIU FEI WEN)	
REV. G.K. KING,-	U.C.C.	REV. ALEXANDER BAXTER,-	L.M.S.
DR. H.T. CHIANG,-	M.M.S.	BISHOP T.A. SCOTT,-	S.P.G.

**Women's Boards**

DR. C. BASH,-	P.N.	MISS JOAN CH'ANG,-	S.P.G.
MISS H.H. TSENG,-	W.F.M.S.	MISS M. SHIPLEY,-	U.C.C.

**Elected Alumni Representatives**

REV. H.L. YEE	MR. CHANG TA CH'EN
DR. CH'EN TENG	DR. C.H. HAN

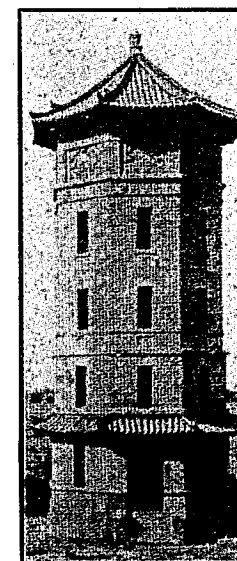
Vacancy

**Members by Co-option**

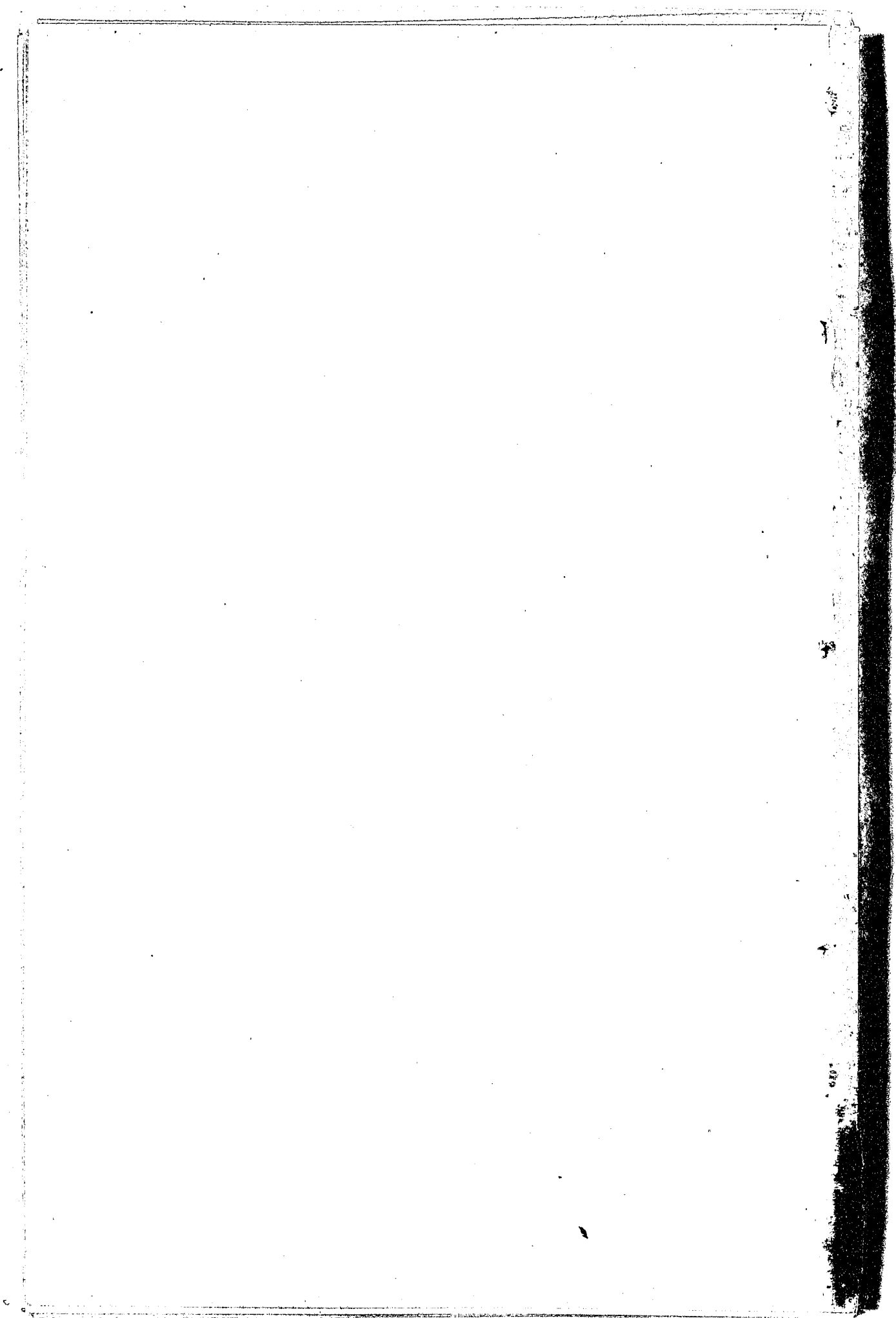
DR. Y.Y. TSU	DR. H.H. K'UNG
GEN. CHANG CHIH KIANG	DR. S.C. CH'UAN
MR. Z. V. LEE	MR. T.H. SUN

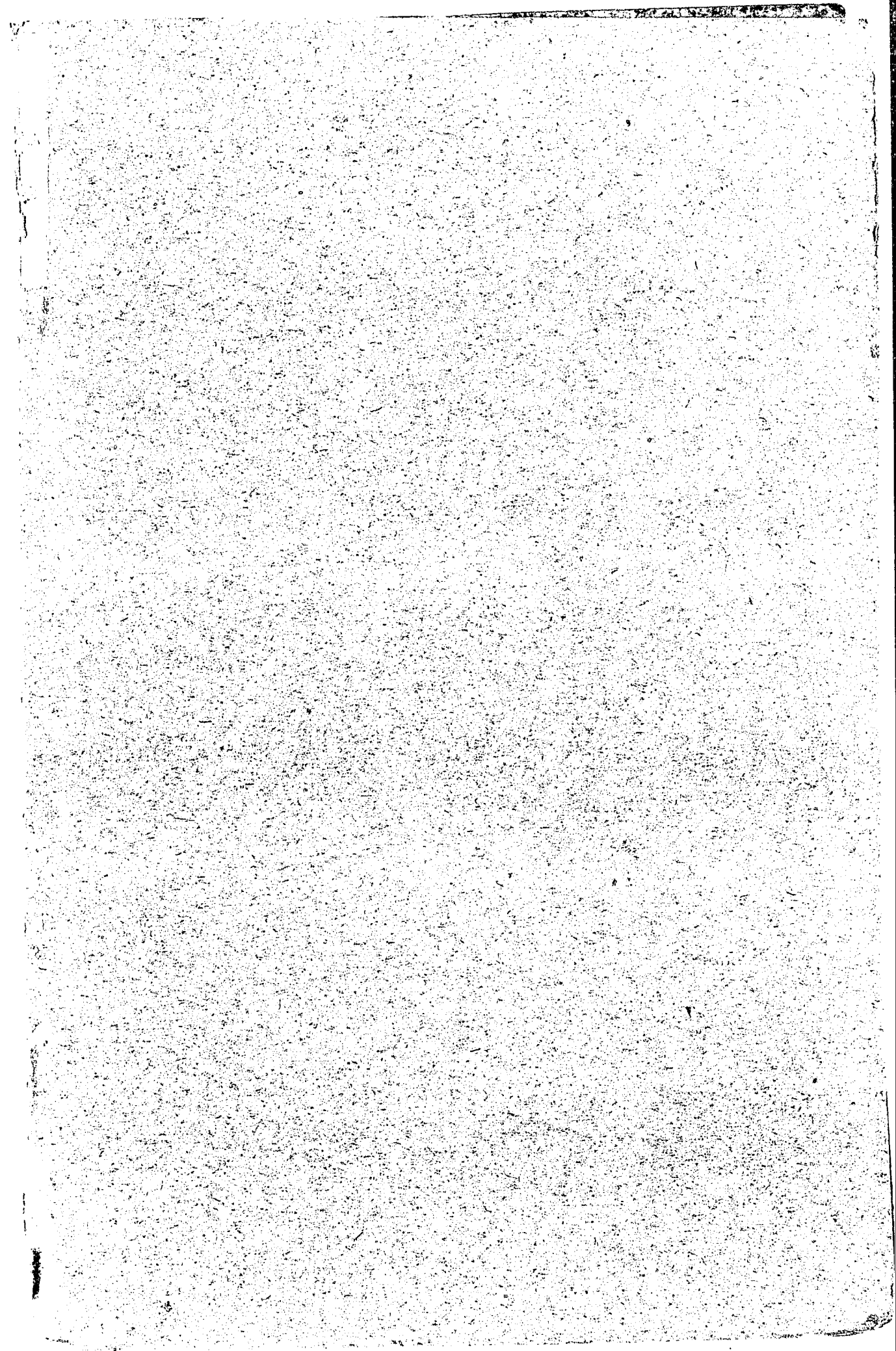
**Members ex-officio**

The President  
The Associate-President (REV. L.J. DAVIES)









**CHEELOO UNIVERSITY**

**(SHANTUNG CHRISTIAN UNIVERSITY)**

**TSINAN, CHINA**

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Printed at the University Press  
Tsinan

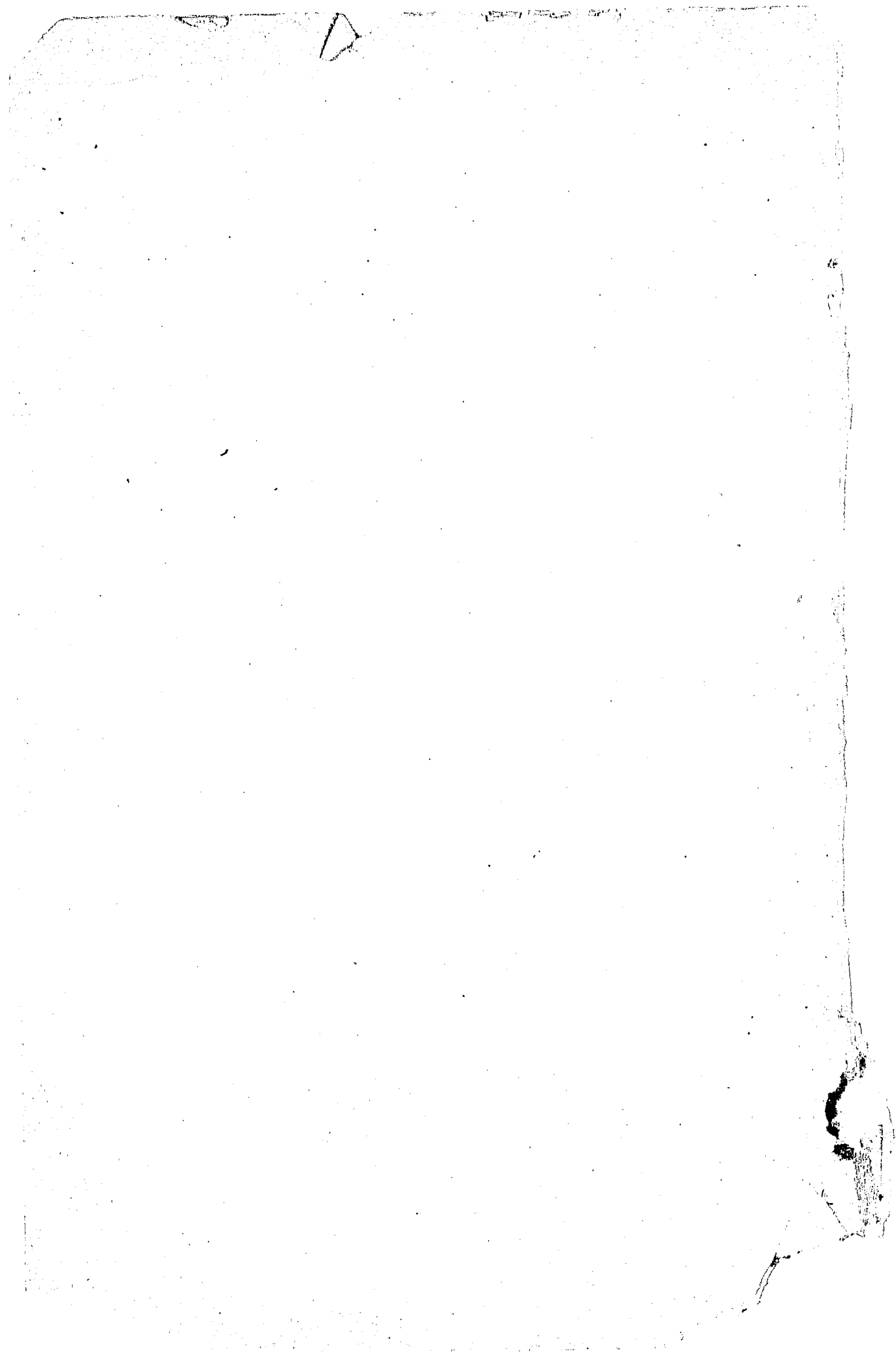
**BULLETIN OF THE SCHOOL OF MEDICINE**

**1935**

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*University Bulletin No. 95*

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**CHEELOO UNIVERSITY**

**(SHANTUNG CHRISTIAN UNIVERSITY)**

**TSINAN, CHINA**

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**CHEELOO UNIVERSITY**

**(SHANTUNG CHRISTIAN UNIVERSITY)**

**TSINAN, CHINA**

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***University Bulletin No. 95***

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\*RANDOLPH TUCKER SHIELDS, B.A., (Washington & Lee) M.D., (Med. Coll. Virginia). Associate Dean of the School of Medicine. Professor of Histology and Embryology. Acting Head of Anatomy Dept.

CHANG CHUN HUA, B.S. (S.C.U.) Demonstrator in Physiology.

EUGENE CHAN, B.S., M.D., (Boston Univ.) <sup>Dept. of</sup> Associate in Ophthalmology

CHANG HUI CHUAN, M.D. (S.C.U.) Assistant Professor of Histology & Embryology.

CHEN YEN PING, M.D. (S.C.U.) Associate in Physiology.

CHU CHING SHEN, Instructor in Pharmacy & Materia Medica.

PHILIP SAFFERY EVANS, Jr. B.A., (Yale), M.D. (Johns Hopkins). Professor of Physiology.

FAN PEI LU, M.D. (S.C.U.) Instructor in Pediatrics.

- ARABELLA SANGSTER GAULT, B.A., (Wooster) M.D. (Johns Hopkins).  
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- \*MARY P. GELL, M.B., Ch. B., (Sheffield). Associate in Obstetrics &  
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- THEODORE C. GREENE, B.A., M.D. (Harvard.) Assistant Professor of  
Neurology. Head of Dept. of Radiology.
- HOU PAO CHANG, M.D. (P.U.M.C.) Graduate (S.C.U.) Professor of  
Pathology.
- HSU YIN T'ANG, M.D. (Nat Med. Coll.) Associate in Pathology.
- LAURENCE MANSFIELD INGLE, B.A., M.B., Ch. B. (Cantab.) F.R.C.S.  
(Eng.), Professor of Surgery.
- GORDON KING, L.R.C.P. (Lond.) F.R.C.S. (Eng.), F.B.C.O.G. Associate  
Professor of Obstetrics & Gynecology.
- †LANG KUO CHEN, M.D. (S.C.U.). Assistant Professor of Otolaryngology.
- LIANG CHI SHEN, M.D. (S.C.U.) Assistant in Surgery.
- LI TSAN WEN, B.S. (Soochow) Assistant Professor of Bio-chemistry.
- LI YUAN FU, (Grad. S.C.U.) Instructor in Otolaryngology.
- †LIN LIEN CH'ING, M.D. (S.C.U.), Associate in Medicine.
- LIU HUA YANG, (Grad. S.C.U.) Instructor in Ophthalmology.
- LIU KUO HUA, Assistant in Pharmacy.
- †PERCY LONSDALE McALL, B.A. (Cantab.), M.B., Ch.B., (Edin.). Head  
of Translation Department and Lecturer.
- WILLIAM McCLURE, B.A., C.M. (McGill). Emeritus Professor of Internal  
Medicine.
- †JULIA MORGAN, M.A. (Dickinson Coll.), M.D. (Univ. of Penn.) Associate  
Professor of Internal Medicine.
- FRANCIS HENRY MOSSE, M.A. (Oxon.), M.R.C.P. (Lond.). Associate  
Professor of Internal Medicine.
- WILLIAM PERCY PAILING, B.D., M.P.S., Ph.C. (Lond.). Associate Pro-  
fessor of Materia Medica & Pharmacy. Chaplain of the University  
Hospital.

- PHILIP B. PRICE, B.A. (Davidson), M.D. (Johns Hopkins). Associate  
Professor of Surgery, Superintendent of University Hospital.
- ANNIE V. SCOTT, B.S. (Univ. of N. Carolina), M.D. (Women's Med.  
Coll. of Penn.) Associate Professor of Pediatrics.
- H. JOCELYN SMYLY, M.A., M.D., Ch.B., F.R.C.S. (Ireland). Professor of  
Clinical Medicine. Superintendent of the Leper Hospital.
- ERNEST B. STRUTHERS, B.A., M.D. (Toronto), D.T.M.H. (Eng.)  
Professor of Internal Medicine.
- YAO HSIN YUAN, M.D. (P.U.M.C.) C.P.H. (Johns Hopkins.) Associate  
Professor of Public Health.
- YEH LU MING, M.D. (S.C.U.) Instructor in Anatomy.
- YU CHIA-CHUN, M.D. (S.C.U.) Assistant Professor of Dermatology.
- YU FU-HSIN, Chief Technician.

\*On furlough 1935-36.

† " " 1934-35.

### GENERAL STATEMENT

The School of Medicine of the Shantung Christian University was established in 1909 by the English Baptist Mission and the American Presbyterian Mission, North,—the original buildings and hospital being erected from funds contributed by the English Baptist Mission, and the institution being known at that time as the Union Medical College. To this college the China Medical Board of the Rockefeller Foundation, in the year 1916, transferred three classes of students from the former Peking Union Medical College, at the same time making a grant of G. \$50,000 for further buildings and equipment, and an annual subsidy of G. \$20,000 for five years towards the expense of upkeep. In addition to this, a supplemental grant of G. \$50,000 was made to cover depreciation in exchange.

In 1916-1917, 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 Medical College also transferred their students to Tsinan, together with some of their professors.



During the academic year of 1923-24 a union was effected between this school and the North China Union Medical College for Women. In September 1923, women students were admitted to the entering class of the Medical School and into both classes in the Pre-medical. In February 1924, two other classes were transferred from Peking to Tsinan. Five members of the Faculty of the Union Medical School for Women were added to the Faculty of the Medical Department of the Shantung Christian University to form a common body. The present School of Medicine represents an amalgamation of the above five institutions.

In 1924, the University was granted a Charter by Act of the Parliament of Canada, and, in April 1925, the Board of Governors was organised in New York. Under this charter the University is authorised to confer the usual degrees.

The University was registered with the Chinese Ministry of Education on Dec. 17th, 1931. Graduates now enjoy all the privileges accorded to those of government institutions. Nine Missions are now co-operating in the School, to a greater or less degree, four being English, three American and two Canadian. These Missions are the following:—

- English:* Baptist Missionary Society  
Society for the Propagation of the Gospel  
London Missionary Society  
Wesleyan Missionary Society
- American:* American Presbyterian Mission, North  
American Presbyterian Mission, South  
Women's Foreign Missionary Society of the Methodist Episcopal Church, North
- Canadian:* United Church of Canada Mission  
United Church of Canada Woman's Missionary Society

In addition to the above organizations which are supporting the School of Medicine, the Rockefeller Foundation has been making a generous appropriation annually. This appropriation, however, ceases in 1935, and a drive is being made in China and abroad to secure Endowment Funds sufficient to allow for the maintenance and expansion of the school.

The internal administration of the School is in the hands of the Dean and Faculty.

## 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 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. Special laboratories are 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 is accommodated on the main University campus outside the suburb.

Adjoining the School of Medicine are the University Hospital and Out-patient Department. The Hospital, erected in 1913, provides accommodation for 109 patients. It has long been planned to erect a large building and the necessary capital funds have been available for some years. Owing to the inadequacy of funds for running expenses, however, it has been thought wise not to undertake the full building programme for the time-being, but, during the year, the west wing of the new hospital and a new out-patient block have been erected, on a site to the north of the present Out-patient Dispensary. It is anticipated that these buildings will be ready for use in the autumn of 1935. The new hospital, which will be connected with the old building by a bridge, will provide accommodation for 50 more in-patients, as well as suitable admitting rooms and administrative offices, and will also give larger and better facilities for treating private patients. The new two-storied Out-patient building is built on the system of a central corridor, with wings for the several departments, and will provide for the efficient handling of a 50% increase in attendances. The old dispensary will then be available for much needed extension in the Medical School. As part of the building programme, an up-to-date power-house and plant have also been erected and are now in use.

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. These dormitories are equipped with plumbing and lighted by electricity.

In addition to the School of Medicine there is, connected with the Hospital, a Nurses Training School for 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,  
University Hospital,  
Cheeloo University,  
Tsinan.

#### 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.

(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 Science Department of Shantung Christian University, for admission to which see Bulletins of Arts & Science College. The Science 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, students who complete the Science courses will be required to present themselves for the entrance examination of the School of Medicine at the conclusion of the Science 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.

#### ENTRANCE REGULATIONS

The candidate's application must include (1) evidence that he has graduated from an approved middle school (2) evidence from the college where the science 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) 2 certified photographs; (6) \$2, for registration fee.

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.* 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 an X-ray of the chest, and receive from the Health Officer a card showing that this has been done. (Admission may be refused on the basis of ill health.) This card must be presented to the Registrar at the time of registration. 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. 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.

The Science course will probably be altered in the near future, when some changes will necessarily be made in the entrance requirements.

#### SYLLABUS OF REQUIRED WORK IN SCIENCE

Showing the Requirements for Entrance to the School of Medicine:  
*Biology.*

The student should complete at least four terms of college grade work in General Biology and General Zoology.

*Physics.*

This is a course of General Physics of college grade covering at least three terms.

The work covered should include Mechanics, Molecular Physics and Heat, Electricity, Magnetism, Light and Sound.

For general reading and lectures, Kimball's "College Physics" and Duncan and Starling's "A Text-book of Physics" are suggested.

*Chemistry.*

This is a course of four terms of laboratory work, covering Inorganic Qualitative and Quantitative Analysis, Organic Chemistry and Physical 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.

*Chinese.*

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.

*English.*

A student should have 12 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.

**GRADUATION  
REQUIREMENTS FOR GRADUATION**

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

1. Have given evidence of good moral character.
2. Have graduated from a six-year middle school of standard grade.
3. Have studied two years in a recognised institution of college grade and fulfilled all of the Science requirements.
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. Have passed creditable examinations at the end of their fourth year in the courses of study outlined below.
6. Have completed one year's satisfactory work as a student interne and presented a thesis approved by the Faculty.

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>	744 hours.
During this period the student must himself dissect at least one half of a human cadaver.	
<i>Physiology and Biological Chemistry,</i>	504 hours.
<i>Pharmacy, Pharmacology and Materia Medica.</i>	192 hours.
<i>Pathology, Bacteriology and Hygiene.</i>	618 hours.
Including attendance upon at least 12 autopsies.	
<i>Medicine, including Pediatrics, Neurology, Dermatology and Syphilis.</i>	1230 hours.
<i>Surgery, including Orthopaedics, Urology, Ophthalmology, Otolaryngology and Roentgenology</i>	724 hours.
<i>Obstetrics and Gynaecology.</i>	96 hours.
Including attendance upon at least six maternity cases.	

7. 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.

### UNIVERSITY FEES AND DEPOSITS

The schedule of University Fees and Deposits, payable semi-annually in local currency, is as follows:—

TUITION:—	\$50.	per half year
ATHLETICS:—	2.	" " "
DORMITORY:—room, light, and heat.	10.	" " "
DEPOSIT FOR BOARD:—(approx.)	40.	" " "
LAUNDRY:—	2.	" " "
BREAKAGE DEPOSIT:—	5.	per year, payable in fall
MICROSCOPE FEE:—	10.	" " " " "
		(1st, 2nd, 3rd year Students)
		5. (4th year Students)
<b>SPECIAL FEES:—</b>		
Graduation fee	6.	(payable at beginning of 5th year)
Late registration fee	1.	per day
<i>Women Students</i>		
DORMITORY:—	\$10.	per half year
LIGHT:—	2.	" " "
BOARD:—	30.	" " "

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 Board of Directors.

The Breakage Deposit is returnable at the end of the year, in as far as it has not been used.

All kitchen arrangements, purchases of food, and management of the dining room are in the hands of the students themselves. The estimated cost of food for each term is deposited on registration day with the University Treasurer, by whom it is disbursed to the Student Committee in charge. All students are expected to room in the dormitories.

### STUDENT EXPENSES

The table below furnishes estimates of the annual expenses of a student in the School of Medicine. 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 have approximately the same expenses.

#### AVERAGE ANNUAL EXPENSES

Tuition	\$100
Athletics Fee	4
Dormitory Fee	20
Breakage Fee	5
Microscope Fee	10
Board	80
Books and Stationery	50
Clothing	50
Contributions	10
Miscellaneous	30
<b>TOTAL</b>	<b>\$359</b>

**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.

**ENGLISH SCHOLARSHIP.** Two scholarships, consisting of approximately Tls. 60 each, are offered annually to the students of the first and fourth year classes having the highest standing in English, provided the said students are also in the upper third of their classes.

#### 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.

The school year is now divided into three trimesters of twelve weeks each.

### DESCRIPTION OF COURSES OF STUDY

In general, the first two years of the student's time are given to the study of pre-clinical subjects. During the second year, the students are given an important course in Physical Diagnosis. The third and fourth years are given up to the study of clinical subjects and, during the fourth years, the student attends the out-patient clinics in rotation, as well as being assigned cases in the wards, for the histories and physical examination of which he is responsible, under supervision. At the completion of this year's work, final theoretical examinations are held, and the last year is devoted to interne work in the hospital, the student covering the work of the various departments on a rotating service.

In the following brief outline, only the didactic courses are mentioned, it being understood that practical work in the out-patient Department and Hospital is also required.

Throughout the world at the present time, much attention is being paid to the drawing up of an adequate curriculum for medical students, and this is particularly true in China. The curriculum on which we are at present working has now been in practice long enough to reveal its deficiencies, and modifications are being made and will be made. For this reason, in the present Bulletin, no detailed syllabus is presented.

### ANATOMY

RANDOLPH TUCKER SHIELDS, M.D., Professor of Histology.  
CHANG HUI CH'UAN, M.D., Assistant Professor of Histology.  
YEH LU MING, M.D., Instructor in Anatomy.  
LAURENCE M. INGLE, M.D., Lecturer in Anatomy.

The Anatomy course comprises Gross Anatomy, Histology and Embryology, Neurological Anatomy and Applied Anatomy. The courses of Histology and Embryology are taken together and cover, first, a review of the development of the chick, then the histology of the fundamental

tissues and, lastly, a course in mammalian development. The relation of Histology to Physiology and Pathology is emphasised throughout. Students are required to do enough technical work to acquire some familiarity with routine histological methods.

During the course on Gross Anatomy, each student is required to make a careful dissection of one half of the body. During this course, lectures and demonstrations are designed to emphasise the practical applications of the science to medicine and surgery.

The course on Neurology deals with the anatomy of the central nervous system and specially the arrangements and function of the fibre tracts. It is given in the third year, prior to the course in clinical neurology.

The course in Applied Anatomy occupies parts of the third and fourth years' work and is intended to be a review of work already covered, and to stress those facts of Anatomy of practical value in diagnosis and treatment.

### BIOCHEMISTRY

PETER C. KIANG, M.D., Professor of Biochemistry & Pharmacology.  
LI TSAN WEN, B.S., Assistant Professor of Biochemistry.

The Biochemistry course is given in the latter part of the first year.

The course is designed to cover the following:—

The general chemistry of the cell and various tissues of the body.

The descriptive chemistry of the carbohydrates, lipins, proteins and other substances which constitute the physical basis of life.

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.

Volumetric methods of urine and blood analysis.

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

PHILIP SAFFERY EVANS, M.D., Professor of Physiology.  
CHEN YEN PING, M.D., Associate in Physiology.  
CHANG CHUN HUA, B.S., Demonstrator in Physiology.

The course in Physiology is given during the end of the first and the beginning of the second years of study, covering the physiology of muscle and nerve, blood, tissue fluid and lymph, the circulation, endocrine organs, organs of respiration and digestion, metabolism, nutrition, temperature regulation, renal function, acid-base balance, central nervous system and special senses. The experiments performed and the demonstrations given are, as far as possible, co-ordinated with lectures and discussions. Careful record of all experimental work is required.

During the third year, a short course on applied physiology is also given.

### PHARMACOLOGY

PETER C. KIANG, M.D., Professor of Biochemistry and Pharmacology.

This course, which is given in the second year, is devoted chiefly to study of the physiological action of a selected list of drugs and indication of the way in which these actions may be utilised therapeutically. The physical and chemical properties are described only in so far as they concern drug actions or methods of administration. Demonstrations and experiments are used to illustrate discussions as far as is practicable, and students are required to submit records of all laboratory work.

### MATERIA MEDICA AND PHARMACY

WILLIAM P. PAILING, Ph. C., M.P.S., Associate Professor of Materia Medica and Pharmacy.  
CHU CHING SHEN, Instructor in Materia Medica and Pharmacy.  
LIU KUO HUA, Assistant Instructor in Materia Medica and Pharmacy.

During the second year, courses in Materia Medica and Pharmacy are given. The course of Materia Medica 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.

The course of Pharmacy consists of lectures and laboratory work. Weights and measures, incompatibles, special points relating to prescriptions and the official pharmacopoeial preparations, including the Chinese Pharmacopoeia, are fully dealt with. The chief typical pharmacopoeial preparations are made in class.

### PATHOLOGY

HOU PAO CHANG, M.D., Professor of Pathology.  
HSU YIN T'ANG, M.D., Associate in Pathology.  
YU FU HSIN, Chief Technician.

The course of General Pathology is given in the second year, the aim of which is to give the students a general idea of pathology and some pathological anatomy. Students are expected to study the gross specimens and the histological slides of the given cases and to make a rough drawing and description of the slides they have studied.

In the third year, courses of special Pathology are given, in correlation with the medical and surgical departments, special emphasis being paid to pulmonary tuberculosis.

In addition to these courses, internes are expected to examine, with the pathologist and surgeon, all specimens received from the operating room. Once a week a clinical pathological conference is held on suitable post-mortem material. This conference is open to all the teaching staff and the senior students.

### BACTERIOLOGY

Courses of Bacteriology are given during the first and second years, covering the principles of bacteriology, with special emphasis on laboratory work and the acquirement of technique. Then the study of several pathogenic bacteria is taken up, comparison being made, where necessary, with non-pathogenic forms.

### PHYSIOLOGY

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### MATERIA MEDICA AND PHARMACY

WILLIAM P. PAILING, Ph. C., M.P.S., Associate Professor of Materia Medica and Pharmacy.  
CHU CHING SHEN, Instructor in Materia Medica and Pharmacy.  
LIU KUO HUA, Assistant Instructor in Materia Medica and Pharmacy.

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### MEDICINE

WILLIAM McCLURE, M.D; C.M., Emeritus Professor of Medicine.  
ERNEST B. STRUTHERS, M.D., Professor of Internal Medicine.  
H. JOCELYN SMYLY, M.D. Professor of Clinical Medicine.  
FRANCIS H. MOSSE, M.R.C.P., Associate Professor of Medicine.  
JULIA MORGAN, M.D., Associate Professor of Medicine.  
ARABELLA S. GAULT, M.D., Assistant Professor of Medicine.  
THEODORE C. GREENE, M.D., Assistant Professor of Neurology.  
LIN LIEN CH'ING, M.D., Associate in Medicine.  
EILEEN SMYLY, M.D., Lecturer in Medicine.

The preliminary course in the more common symptoms of disease, with illustrated cases, is given at the beginning of the second year. This is intended to serve as an introduction to the study of clinical medicine. Following this, an introductory course is given in heart disease and pulmonary tuberculosis. In these courses, and in those which follow, time is allowed for teaching the pathological, bacteriological and clinical aspects of disease, so that all aspects may be closely linked together.

During the third year, systematic lectures in Medicine are given, together with clinics in the wards. Bacteriological work is carried out on the cases studied.

During the fourth year, the student is assigned patients in the wards and is required to make a complete study of each, recording the history, physical examination and laboratory findings. A special course of lectures is given at the end of this year, covering the pharmacological and therapeutic action of drugs in the treatment of disease, intravenous therapy and serum and vaccine therapy.

### PHYSICAL DIAGNOSIS

JULIA MORGAN, M.D. Associate Professor of Medicine.  
ARABELLA S. GAULT, M.D., Assistant Professor of Medicine.  
FRANCIS H. MOSSE, M.R.C.P., Associate Professor of Medicine.  
H. JOCELYN SMYLY, M.D., Professor of Clinical Medicine.  
ERNEST B. STRUTHERS, M.D., Professor of Internal Medicine.  
LIN LIEN CH'ING, M.D., Associate in Medicine.  
EILEEN SMYLY, M.D., Lecturer in Medicine.

The study of Physical Diagnosis is taken up during the second and third years. Students are taught in small groups so that they can receive

more adequate personal supervision. The course includes history taking, methods and technique. It begins with practice on the normal subject and proceeds to the diagnosis of disease.

### LABORATORY DIAGNOSIS

ARABELLA S. GAULT, M.D., Assistant Professor of Medicine.  
RANDOLPH T. SHIELDS, M.D., Professor of Histology and Embryology.  
CHANG HUI CH'UAN, M. D, Assistant Professor of Histology and Embryology.  
GERALD F. WINFIELD, M.S., Sc.D., Professor of Biology.  
H. JOCELYN SMYLY, M.D., Professor of Medicine.  
YU FU HSIN, Chief Technician.  
PETER C. KIANG, M.D., Professor of Biochemistry.  
LI TSAN WEN, B.S., Assistant Professor of Biochemistry.

During the second and third years, courses are given in clinical Microscopy (including routine examination of blood, sputum, feces and spinal fluid), Helminthology and Protozoology, and Biochemical Methods of investigating gastric, renal, hepatic and pancreatic function.

### PUBLIC HEALTH

YAO HSUN YUAN, M.D., C.P.H., Associate Professor of Public Health and Preventive Medicine and Head of Department.  
LI YU JEN, M.D., Instructor in Public Health and Director of Rural Health Service.  
SHIH HUNG YUEH, B.S., N.A.C., R.N., C.M.B., (Eng.), Instructor in Public Health Nursing.

The Public Health Department, under its new head, is in process of reorganisation. The course will be designed to familiarise the student with the problems and methods of the major public health fields and to give him an appreciation of the opportunity of the general practitioner to collaborate in organised community medical protection. It will include the principles and practice of modern public health in respect of the five administrative fields, of sanitation, control of communicable diseases, organisation of community medical service for the relief of the sick, development of social machinery and community education in hygiene.



It is hoped that, in addition to academic instruction, opportunities can be provided for field demonstrations and practical instruction in public health administration in municipal and rural centres.

### DERMATOLOGY AND VENEREAL DISEASES

YEW CHIA CHUN, M. D., Assistant Professor of Dermatology and Venereal Diseases.

A course of lectures is given in Dermatology during the third year, reviewing the physiological and histological anatomy of the skin, and studying 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.

Another course of lectures covers the clinical and laboratory diagnosis of syphilis, specially cutaneous and nervous types. Recent advances concerning the treatment and diagnosis of syphilis are discussed, and the material presented is illustrated wherever possible.

This course also includes the etiology, symptomology, diagnosis, pathology and treatment of gonorrhoea and other venereal diseases. The material presented is illustrated wherever possible.

### RADIOLOGY

THEODORE C. GREENE, M.D., Assistant Professor of Neurology and Head of Department of Radiology.

During the first and second years, the Department of Radiology co-operates with the departments of Anatomy, Physiology and Pathology in the instruction of students in these subjects by the use of X-ray films and by fluoroscopic demonstrations. A course of lectures on X-ray physics is given at the end of the second year, to prepare the students to profit from the work which will follow, and to help them to become familiar with what all doctors should know about Roentgenology. Later in their course, students undertake personal study of the teaching collection of films, with instruction in small groups. They also consult with the Roentgenologist about the films of patients whom they study.

### PEDIATRICS

ANNIE V. SCOTT, M.D., Associate Professor of Pediatrics.  
FAN P'EI LU, M.D., Instructor in Pediatrics.

Instruction in Pediatrics is commenced during the third year. One hour a week is devoted to recitations, demonstrations and lectures upon the growth and development of infants and children, the subject of nutrition, normal and abnormal, and the composition and use of foods, in so far as Pediatrics is concerned.

Later, students are instructed in the examination of patients in the wards and O.P.D. and cases are presented and discussed. Special attention is paid to the diseases peculiar to infancy and childhood and to the differences in the manifestation of disease in children, as contrasted with adults.

### SURGERY

LAURENCE M. INGLE, M.B., B.CH., F.R.C.S., Professor of Surgery.  
PHILIP B. PRICE, M.D., Associate Professor of Surgery.  
LIANG CH'I SHEN, M.D., Assistant in Surgery.

During the second year's study, a short introduction to clinical Surgery is given, consisting of lectures and demonstrations, designed to bring out the practical application of pre-clinical subjects. This is followed by a course of lectures and ward rounds covering general and regional surgery. Following this course, there are further short courses in Orthopedics, Genito-Urinary Diseases, Plastic Surgery and Bandaging, while a further course on Surgical Bacteriology is designed to bring out the important principles of aseptic technique.

During their interne year, students have a rotating service in surgery and the surgical specialties, including anaesthetics, and act as assistants in the operating room.

### OPHTHALMOLOGY

EUGENE CHAN, M.D., <sup>Dep't of</sup> Associate in Ophthalmology.  
LIU HUA YANG, (Grad. S.C.U.), Instructor in Ophthalmology.

The course in Ophthalmology occupies part of the third year. Didactic instruction is accompanied by the actual demonstration of cases, supplemented when necessary with lantern slides, models and special preparations. Special attention is given to the diseases commonly met with in China.

Ophthalmoscopy, biomicroscopy and the fundamentals of refraction are also embodied in this course. The importance of the study of the eye in general diseases is emphasised.

### OBSTETRICS AND GYNECOLOGY

GORDON KING, F.R.C.S., Associate Professor of Obstetrics and Gynecology.  
MARY P. GELL, M.B., CH.B., Associate in Obstetrics and Gynecology.

Courses of lectures and demonstrations on Obstetrics and Gynecology are given during the third and fourth years. During the third year, attendance in small groups is required at deliveries. Each student must observe a minimum of six normal deliveries and is required to hand in written reports of each case.

During the interne year each student spends a period of whole-time service in the Department. This service includes attendance in the Gynecological O.P.D., the Antenatal Clinic, the Wards and the Operating Room. Each student will also have the opportunity of assisting in or personally conducting the delivery of approximately 20 obstetric cases, and will receive practical instruction in this and in the care of the newborn child.

### EAR, NOSE AND THROAT

LANG KUO CHEN, M.D., Assistant Professor in Ear, Nose and Throat.  
LI YUAN FU, (Grad. S.C.U.), Instructor in Ear, Nose and Throat.

In addition to the usual O.P.D. instruction, a course of lectures is given towards the end of the third year, where the anatomy and physiology of the normal ear, nose and throat are first discussed, and then, the more common ear, nose and throat diseases taken up for consideration.

### ENGLISH

Various members of the Faculty.

A regular course is given to the students of the first two years.

The purpose of the course is to introduce the student to English medical literature, giving special attention to the Greek and Latin roots, which are the bases of most of the strictly medical terms. The students have practice in translation from Chinese to English, in writing notes in English, in making abstracts of English medical articles and in pronunciation.

### SPECIAL COURSES

Special courses are given in Pharmacy, Laboratory Technique, and Massage and Electrotherapeutics. Details of these courses can be obtained from the following:—

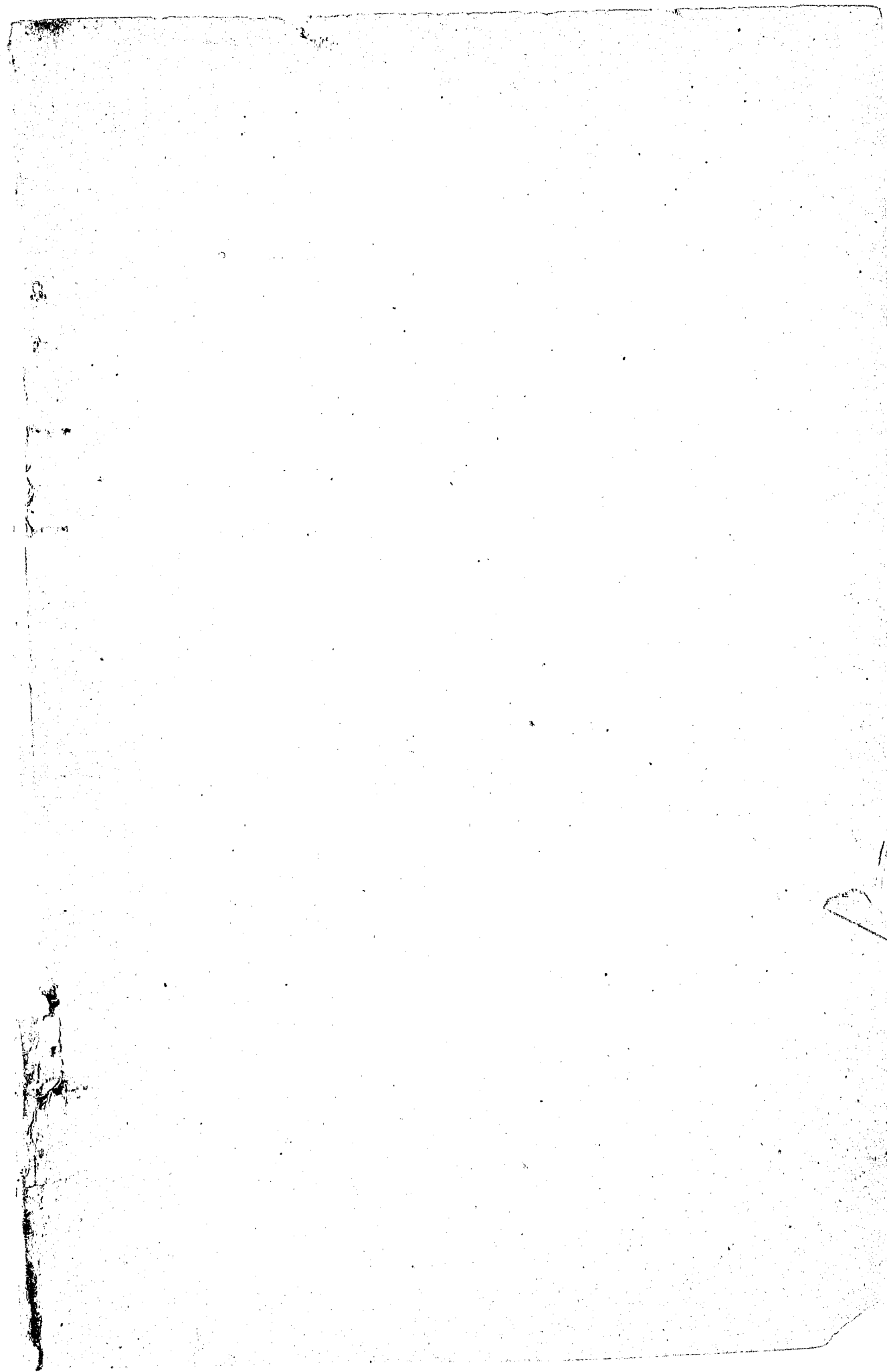
Pharmacy Course:— Rev. W.P. Pailing

Laboratory Technique:— Dr. A.S. Gault or Mr. Yu Fu Hsin.

Massage and Electro-therapeutics:— Miss F. R. Wilson, Nursing Superintendent, Cheeloo University Hospital.

1925

UNIVERSITY OF CALIFORNIA



REPORT of the SCHOOL OF MEDICINE  
of CHEELOO UNIVERSITY  
(SHANTUNG CHRISTIAN UNIVERSITY)

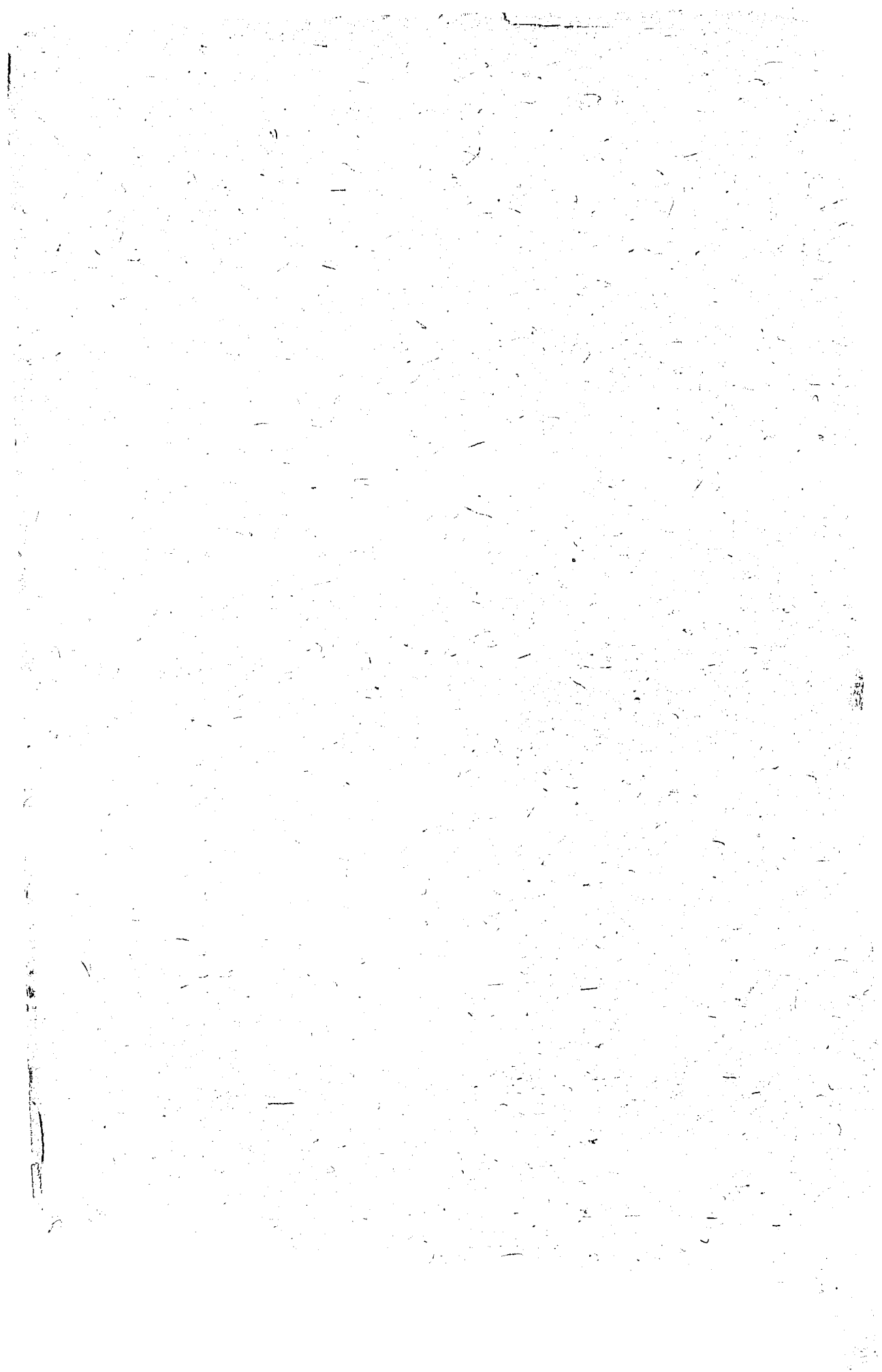
*Picture New Hospital*

1935

University Bulletins No. 96

Tsinan, Shantung, China

PRINTED BY THE UNIVERSITY PRESS



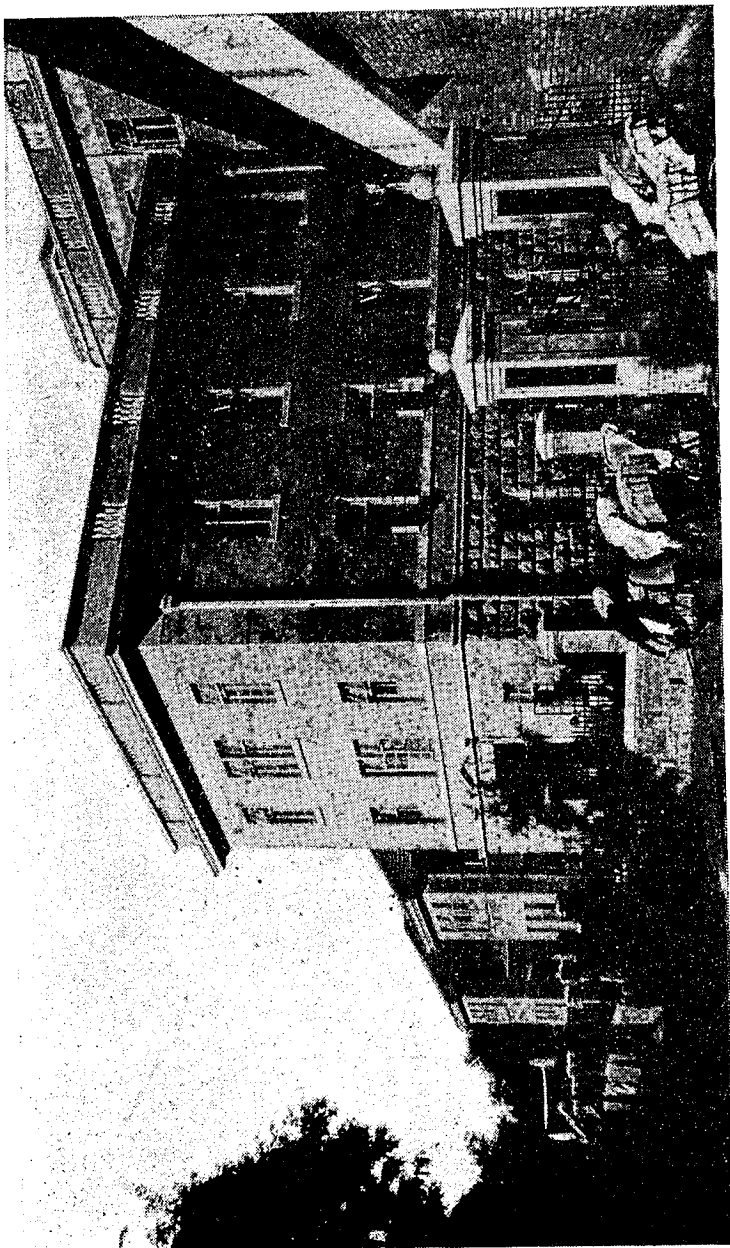
REPORT  
OF THE  
SCHOOL OF MEDICINE  
OF  
CHEELOO UNIVERSITY  
(SHANTUNG CHRISTIAN UNIVERSITY)

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FOR THE YEAR ENDING JUNE 30th, 1935

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TSINAN, SHANTUNG, CHINA.



*New Hospital and Out-patient Department  
September 1935*

## CHEELOO UNIVERSITY OFFICERS OF ADMINISTRATION

- LIU SHU-MING (SHIH CHUAN,) M.A., President, Cheeloo University.  
LI CHIH FAN, M.A., Acting President (1934-35)  
\*LLEWELLYN J. DAVIES, B.A., B.D., Associate President, Cheeloo University.  
PETER C. KIANG, B.A., M.D., Dean, School of Medicine.  
RANDOLPH TUCKER SHIELDS, B.A., M.D., Associate Dean, School of Medicine.  
LAN HUA LIU YUI, M.A., Dean of Women.  
HOWELL PORTMAN LAIR, B.A., B.D. S.T.M., D.D. Treasurer.  
FU WEI FANG, Assistant Registrar of University.  
PHILIP B. PRICE, B.A., M.D., Superintendent, University Hospital.  
FRANCES R. WILSON, R.N., Superintendent, Nurses Training School.  
JESSE B. WOLFE, B.A., Business Manager and Superintendent of Works.  
\*Resigned Sept. 1935.

## SCHOOL OF MEDICINE FACULTY AND INSTRUCTORS

- PETER CH'ING KIANG, B.A., (St. John's), M.D., (Univ. of Penn.), Dean School of Medicine, Professor of Bio-chemistry.  
\*RANDOLPH TUCKER SHIELDS, B.A., (Washington & Lee) M.D. (Med. Coll. Virginia). Associate Dean of the School of Medicine. Professor of Histology and Embryology. Acting Head of Anatomy Dept.  
CHANG CHUN HUA, B.S. (S.C.U.) Demonstrator in Physiology.  
EUGENE CHAN, B.S., M.D., (Boston Univ.) Dept. of Ophthalmology.  
CHANG HUI CHUAN, M.D. (S.C.U.) Assistant Professor of Histology & Embryology.  
CHEN YEN PING, M.D. (S.C.U.) Associate in Physiology.  
CHU CHING SHEN, Instructor in Pharmacy & Materia Medica.  
PHILIP SAFFERY EVANS, Jr. B.A., (Yale), M.D. (Johns Hopkins). Professor of Physiology.



FAN PEI LU, M.D. (S.C.U.) Instructor in Pediatrics.  
 ARABELLA SANGSTER GAULT, B.A., (Wooster) M.D. (Johns Hopkins).  
 Assistant Professor of Medicine.  
 \*MARY P. GELL, M.B., Ch. B., (Sheffield). Associate in Obstetrics &  
 Gynecology.  
 THEODORE C. GREENE, B.A., M.D. (Harvard). Assistant Professor of  
 Neurology. Head of Dept. of Radiology.  
 HOU PAO CHANG, M.D. (P.U.M.C.) Graduate (S.C.U.) Professor of  
 Pathology.  
 HSU YIN T'ANG, M.D. (Nat. Med. Coll.) Associate in Pathology.  
 LAURENCE MANSFIELD INGLE, B.A., M.B., Ch. B. (Cantab.) F.R.C.S.  
 (Eng.), Professor of Surgery.  
 GORDON KING, L.R.C.P. (Lond.) F.R.C.S. (Eng.), F.B.C.O.G. Associate  
 Professor of Obstetrics & Gynecology.  
 †LANG KUO CHEN, M.D. (S.C.U.). Assistant Professor of Otolaryngology.  
 LIANG CHI SHEN, M.D. (S.C.U.) Assistant in Surgery.  
 LI TSAN WEN, B.S. (Soochow) Assistant Professor of Bio-chemistry.  
 LI YUAN FU, (Grad. S.C.U.) Instructor in Otolaryngology.  
 †LIN LIEN CH'ING, M.D. (S.C.U.), Associate in Medicine.  
 LIU HUA YANG, (Grad. S.C.U.) Instructor in Ophthalmology.  
 LIU KUO HUA, Assistant in Pharmacy.  
 †PERCY LONSDALE McALL, B.A. (Cantab.), M.B., Ch. B., (Edin.). Head  
 of Translation Department and Lecturer.  
 WILLIAM McCLURE, B.A., C.M. (McGill). Emeritus Professor of Internal  
 Medicine.  
 †JULIA MORGAN M.A. (Dickinson Coll.), M.D. (Univ. of Penn.) Associate  
 Professor of Internal Medicine.  
 FRANCIS HENRY MOSSE M.A. (Oxon.), M.R.C.P. (Lond.). Associate  
 Professor of Internal Medicine.  
 WILLIAM PERCY PAILING, B.D., M.P.S., Ph. C. (Lond.). Associate Pro-  
 fessor of Materia Medica & Pharmacy. Chaplain of the University  
 Hospital.

PHILIP B. PRICE, B. A. (Davidson), M. D. (Johns Hopkins). Associate  
 Professor of Surgery, Superintendent of University Hospital.  
 ANNIE V. SCOTT, B.S. (Univ. of N. Carolina), M.D. (Women's Med.  
 Coll. of Penn.) Associate Professor of Pediatrics.  
 H. JOCELYN SMYLY, M.A., M.D., Ch.B., F.R.C.S. (Ireland). Professor  
 of Clinical Medicine. Superintendent of the Leper Hospital.  
 ERNEST B. STRUTHERS, B.A., M.D. (Toronto), D.T.M.H. (Eng.) Pro-  
 fessor of Internal Medicine.  
 YAO HSIN YUAN, M.D. (P.U.M.C.) C.P.H. (Johns Hopkins.) Associate  
 Professor of Public Health.  
 YEH LU MING, M.D. (S.C.U.) Instructor in Anatomy.  
 YU CHIA-CHUN, M.D. (S.C.U.) Assistant Professor of Dermatology.  
 YU FU-HSIN, Chief Technician.  
 \*On furlough 1935-36.  
 † " " 1934-35.

### HOSPITAL PROFESSIONAL STAFF

The attending professional staff of the hospital consists of members  
 of the clinical departments of the School of Medicine.

#### RESIDENT STAFF

##### Medical Department

Hsieh Ching Ku'ei, M.D.,	Asst. Resident in Medicine
Li Ch'i Ying, M.D.,	" " " "
Li Hsi Sheng, M.D.,	" " " "
Wu Hui, M.D.,	" " " "
Fan P'ei Lu, M.D.,	" " " Pediatrics
Chang Huan Chang,	" " " Dermatology

##### Surgical Department

Liang Ch'i Shen, M.D.,	Resident in Surgery
Liu Yung Yao, M.D.,	" " "
Miss Ch'en Kuei Chih, M.D.,	Asst. Resident in Obstetrics & Gynecology
Wei Hsing Chien, M.D.,	" " " " " "
Dr. Liu Hua Yang,	Clinical Assistant in Eye
Dr. Li Yuan Fu	" " " E.N.T.

**INTERNE STAFF (Fifth Year Students)**

Chang Chao	Liu Kuei Lin
Chang Hsi Hua	Lu Tseng Hui
Chang K'e Chun	Ma Shih Chun
Chiu Mao Yueh	P'an Hui Sheng
Miss Chou Ch'ung Te	Su Sheng Hui
Hou Chun Chih	Miss T'ang Yu Te
Hsu K'ai	Tsou Chih
Hsu Shang Ta	Tu Wan Heng
Hu Hsin Yu	Wang Ching K'uei
Ku Huan Chang	Wang Fu I
Li Ch'un Ying	Yu Wen Ch'i

**NURSING STAFF (HOSPITAL AND TRAINING SCHOOL FOR NURSES)**

FRANCES R. WILSON, B.S., R.N.	Superintendent of Nurses.
ROSA BELL, R.N.	Supervisor and Instructor.
MARJORIE ALDERSON, R.N.	" " "
*CORAL M. Brodie, R.N.	" " "
†FLORENCE E. EVANS, B.A., R.N.	" " "
H.Y. WANG, N.A.C.	" " "
A.C. T'AO, N.A.C.	" " "
F.Y. HAN, N.A.C.	Assistant Supervisor.
†MOLLIE E. TOWNSEND, R.N.	Anaesthetist.
K.W. Chang, N.A.C.	Head Nurse.
M.T. CHANG, N.A.C.	" "
L. CHI, N.A.C.	" "
K.L. TIEN N.A.C.	" "
C.Y. KAO, N.A.C.	" "
J.I. CHANG, N.A.C.	" "
Y.Y. TUNG, N.A.C.	Dietician.
K.S. HSIAO, N.A.C.	Staff Nurse.

**Department of Massage and Physiotherapy.**

\*GLADYS V.L. NUNN, (E. Suffolk Hospital, Ipswich; London School of Massage, Westminster Hospital, Reg. Mem. C.S.M.M.G.).

LIU LIEN HSI, N.A.C. (S.C.U. Hospital).

WANG-LIU CH'ING LAN (S.C.U. Hospital).

**Social Service Department**

HAZEL H. MYERS.  
WANG WEN CHIANG.

**ADMINISTRATIVE OFFICES**

JESSE B. WOLFE, B.A., Business Manager, Medical School & Hospital.  
 MAIDA MORTON SMITH, Secretary to the Dean, School of Medicine.  
 YEN CHAO, Assistant Business Manager.  
 LIU HUNG YU, Office Assistant.  
 WANG CHIA SHAN, Store-keeper.

†On furlough 1934-35  
\* " " 1935-36



**DR. R. T. SHIELDS**  
Dean School of Medicine 1926-1935  
Associate Dean 1935

**REPORT OF THE SCHOOL OF MEDICINE,  
CHEELOO UNIVERSITY,**

*For the Year Ending June 30th, 1935*

---



**DR. PETER C. KIANG**  
*Dean, School of Medicine 1935*

The work of the School of Medicine has gone on during the past year without interruption.

**STUDENTS.** The number of students enrolled was 98, 19 of whom were women. In addition, there have been 4 special students, taking work in different departments during part of the year.

The graduating class this year consisted of 20, two of whom were women. Of this class, 8 are remaining in our own hospital as Assistant Residents, 10 have gone to Mission hospitals and 2 to private hospitals. As usual, the demand for our graduates, and especially for women doctors, is far greater than the supply.

**SPECIAL COURSES.**

**Pharmacy.** The enrolment in the Pharmacy class was 19, 12 men and 7 women. This class completed the 2-year course this term and it is hoped to admit a new class in September. Of the 14 students who graduated from the Pharmacy class in June, 7 have taken positions in mission hospitals and 4 in private hospitals or dispensaries, in different parts of the country.

**Laboratory Technicians.** Four students were admitted to the class for Laboratory Technicians, in March 1934, two of whom completed the course and received certificates. In March of this year, a new class of four was admitted. The applications for this course are far in excess of the number that we are able to admit, owing to lack of space and shortage of staff. Already, since March 1935, there have been 7 applications for the 1936 class, and one at least for the 1937 class.

**Electro-therapeutics and Massage.** A new class of four was taken on last September and all four received their certificates at the end of the course, in March. Three of these nurses have returned to the mission hospitals from which they came, and one has gone to work in a

Municipal Hospital. No new class will be admitted this year, on account of the departure on furlough this spring of Miss Nunn, who is in charge of the course.

#### STAFF.

**The President.** As this report goes to press, it is with great relief and satisfaction that we are able to report the arrival at Cheeloo of our new President, Dr. Shuming T. Liu.

In March, Dr. Shields left for a well-earned furlough. Before his departure, he resigned from the Deanship of the School of Medicine, which position he has so ably filled for almost ten years, and was appointed, by the Acting President, Associate Dean of the School of Medicine, Dr. Kiang being appointed Dean. During Dr. Shields' absence on furlough, Dr. Ingle is helping with the work of the Dean's office and has been appointed Acting Associate Dean.

Drs. Lang, Lin and Morgan have been on furlough during the year, and are expected to return before the opening of the autumn term.

Dr. Hou Pao Chang returned in March, after a year's postgraduate study in London.

Dr. Gell expects to leave on furlough at the beginning of July.

We regret to announce the resignation from the faculty of Dr. Thornton Stearns, who joined the staff in 1916 and has rendered such valuable service in the Department of Surgery, as well as by his personal influence amongst the students.

News has recently been received that Dr. McAll, who has been on furlough during the past year, will not be returning. He will be greatly missed, not only in the Translation Department, where he has so ably and conscientiously filled the position of Editorial Secretary of the Council on Publication of the Chinese Medical Association, but in the Medical School as a whole, to whose activities and interests he has given so willingly of his time and strength.

Dr. Li Shou Ch'eng, who has worked for five years in the Department of Bacteriology, resigned in March.

We are glad to welcome four new members to the staff of the Medical School, in the persons of Dr. T. C. Greene, Dr. Eugene Chan, Dr. Yao Hsun Yuan and Mr. Chang Chun Hua.

Dr. Greene has taken charge of the Department of Radiology and has also given some help in the Department of Medicine.

Dr. Chan, who has spent some years in eye work in Johns Hopkins Hospital, Baltimore, joined the Eye department in December last. In May, Dr. Liu Hua Yang, who has been carrying on the work of this department singlehanded for so long, left for the P. U. M. C., where he has been able to obtain a fellowship for six months post-graduate study in the department of Ophthalmology.

For several years, the Medical School has been trying to secure Dr. Yao, to take charge of the Department of Public Health, but the National Health Administration, under which he has been working, has been unable to release him. This spring, however, in response to repeated appeals from the Medical School, Dr. Yao has been allowed to come to Cheeloo and has been organising the work of the Public Health Department and giving an intensive course of lectures to the students.

Mr. Chang Chun Hua joined the staff last September as Demonstrator in the Department of Physiology. Since graduating from the School of Science, Mr. Chang has been doing special work in Blood Chemistry.

Dr. Li Yuan Fu, who has been in charge of the work of the Ear, Nose & Throat Department during Dr. Lang's furlough, was found, in the winter, to be suffering from tuberculosis. The work of the department has been carried on by the Surgical Department during Dr. Lang's absence.

**RELIGIOUS LIFE.** During the year, the usual daily service in the Medical School, as well as various Bible classes, have been held, while in the Hospital, there have been ward services, and evangelists have worked amongst the patients. In addition, Mr. Wolfe has been carrying on a well attended meeting for employees in the Medical School and Hospital, on Sunday mornings. A group of students who were got together by Dr. Stearns for Bible study and worship have, since his departure, continued their meetings with real enthusiasm, gathering together early on Sunday morning and again in the evening. These meetings are well attended and the sincerity of those attending is well expressed by the heartiness of their hymn singing.

A committee was appointed at the beginning of the year to arrange for a series of Retreats for members of the staff. These have taken various forms, such as conferences, a staff supper followed by Nativity

tableaux and carol singing in the wards, at Christmas time, and an open-air meeting at one of the neighbouring temples. These retreats have been found very valuable and it is hoped to continue them.

**VISITING LECTURERS.** In April, Dr. J. P. Maxwell, of the P.U. M.C. gave his annual course of lectures to the students and staff of the School of Medicine.

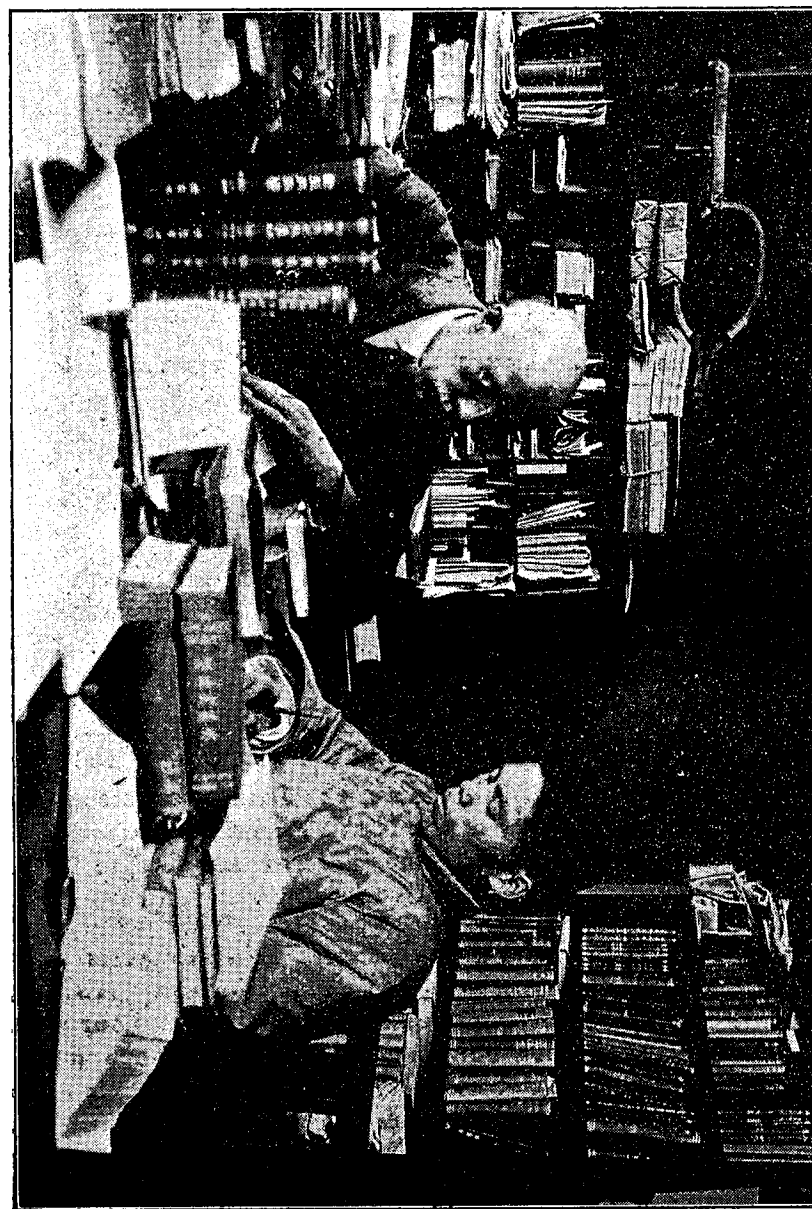
In May, Dr. Canby Robinson, Visiting Professor of Medicine at the P.U.M.C., paid a short visit to Tsinan, and gave two very interesting lectures in the Medical School.

**POST-GRADUATE COURSE.** During the winter vacation, a post-graduate course of two weeks was given by the Medical School and was attended by 13 doctors, 4 of whom were Cheeloo graduates.

**COUNCIL ON PUBLICATION.** The work of the Council has been carried on as usual. The Editorial Secretary, Dr. McAll, has been on furlough throughout the year, and his place has been taken by Mr. T.C. Leo, Dr. Ingle attending to the financial side of the work.

During the past year, the following books have been published:—

- Pathological Histology . . . . . Drs. Hou and Mosse
- Stitt, Blood Work (New Edition) . . . . . Dr. Kiang
- English-Chinese Lexicon (New Edition) Mr. Leo & Dr. McAll
- First Aid Manual (British Red Cross) Mr. Leo
- Experimental Physiology . . . . . Dr. Kilborn & Dr. Evans
- Osler's Medicine (Reprint with revised appendix) . . . . . Mr. Leo & Dr. Struthers
- Surgery (Rose & Carless) . . . . . Dr. Ingle
- Practical Anatomy (Cunningham) Vol.1 Mr. Leo
- Obstetrics (Eden & Holland) . . . . . Mr. Leo
- Easy Chinese Medical Reader . . . . . Dr. McAll
- Biochemistry (Cameron) . . . . . Mr. Li Tsan Wen



Translation Department  
(Dr. P. L. Mc. All and Pundit)

The following books are at present in the press:—

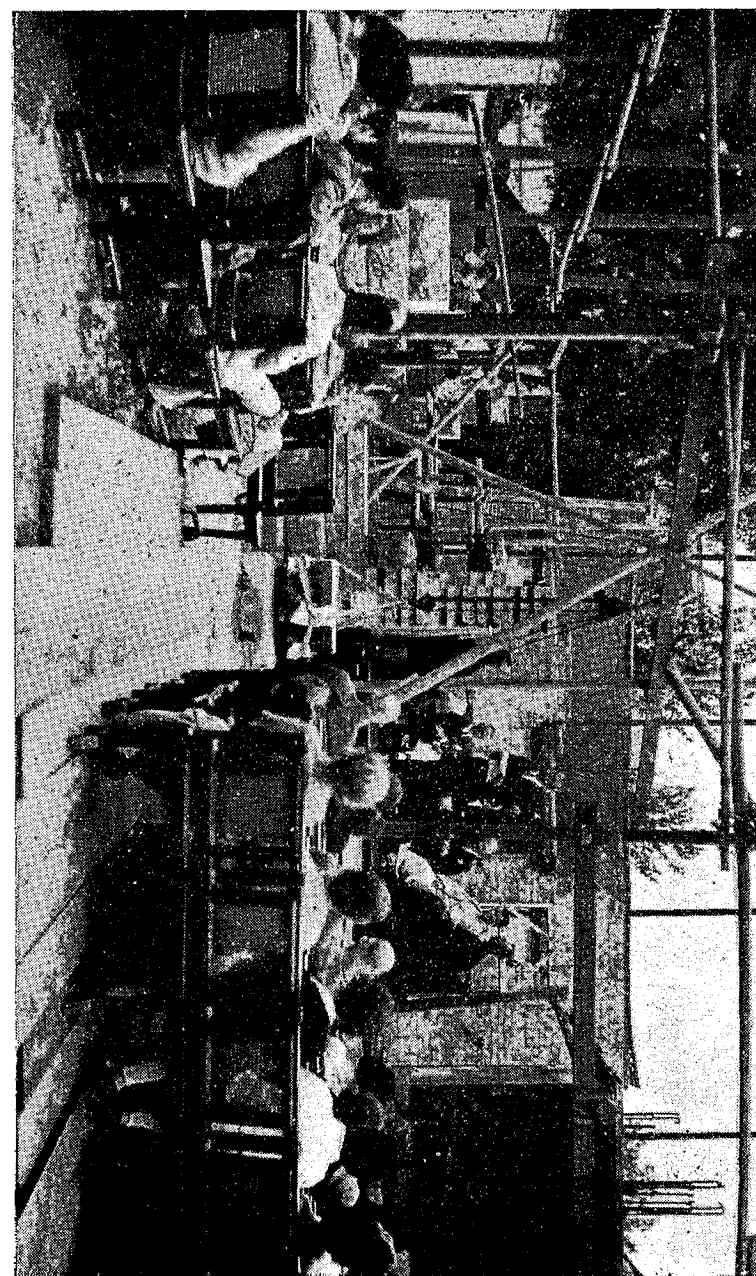
Medicine (Wheeler & Jack) 1st half Dr. McAll  
Materia Medica (Bruce & Dilling) - Mr. Pailing & Mr. Liu Kuo  
Hua  
Practical Anatomy (Cunningham) Vol.2 Mr. Leo  
Hare's Therapeutics (revised) - - - Dr. Ingram & Mr. Leo  
Haliburton's Physiology (revised) - - Dr. Y.P. Ch'en & Dr. Evans  
Physiotherapy (Miss Nunn) - - - Dr. Ingle  
Pathology, Stengel (reprint) - - - Dr. McAll  
Clinical Methods (Hutchison & Rainy).  
(reprint) - - - - - Dr. McAll

The following books are at present in process of translation or preparation:—

Operative Surgery (Miles & Wilkie). Dr. Ingle  
Pathology (Delafield & Prudden) - Dr. Hou  
Synopsis of Medicine (Tidy) - - -  
Human Parasitology, A Guide to  
(Blacklock & Southwell) - - -  
Surgical Diagnosis, (Shattock) - - -  
Ear, Nose & Throat, (Turner) - - -

**NEW HOSPITAL AND OUT-PATIENT DEPARTMENT.** Work on the new Outpatient Department and the west wing of the new hospital began last autumn and, in October, the foundation stone was laid by Dr. Armstrong, Secretary of the North American Section of the Board of Governors. Dr. E. H. Hume, another member of the Board of Governors, was also present at this ceremony.

We are able to report at the time of going to press (September) that the new Outpatient block is already in use. Although it will naturally be a little time before we can settle down into our new quarters, it is obvious that the new building will make for much more efficient handling of our outpatient work. A main entrance gives access to both the outpatient and the inpatient block, so that registration, whether for outpatients or for inpatients, can be carried out with far greater comfort to the patients. A suitable waiting room, both for patients and friends, is provided. The outpatient block itself is a two-storied building, with a central corridor on each floor, from which two wings on either side, above and below, project, roughly in the form of a letter H. This arrangement provides eight separate units for the different departments, while the wide central corridor provides adequate waiting space for the different clinics.



Laying the Foundation Stone of the New Hospital  
October 11th., 1934



The west wing of the new hospital is practically completed and should be in use within a few weeks. In addition to general offices, it provides a private patient clinic, several private and semi-private wards, and public wards which will accommodate 50 patients. These beds will be largely for medical patients, while surgery, obstetrics and gynecology will be able to expand in the old hospital.

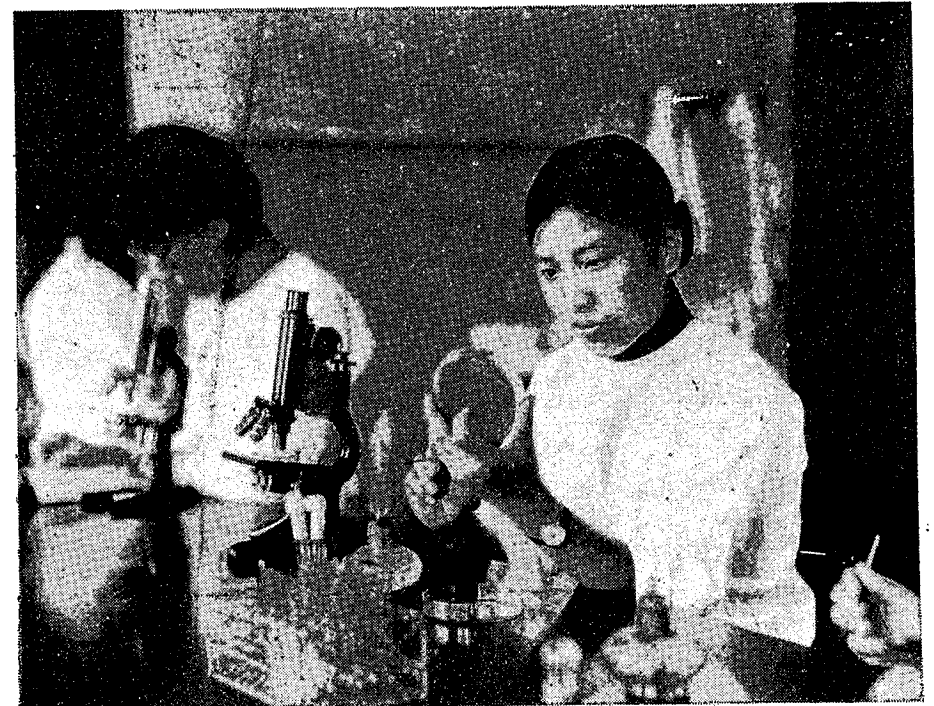
The old outpatient building and one ward in the old hospital will, therefore, be available for much-needed expansion. The outpatient block has been assigned to increased housing facilities for nurses, while one wing will provide Public Health offices, and the other a small isolation hospital. The ward in the old hospital will be converted into a pathological laboratory and museum.

Within the next few weeks, an opening ceremony will be held and also a religious ceremony, upon the flat roof of the hospital.

This will complete the first stage in our expansion programme, and meets more or less adequately our immediate needs. The old hospital, which was erected in 1914, through the generosity of the English Baptist Mission, will continue to be used as a surgical unit, while the new hospital, which has been erected by funds contributed by the Women's Committee of the American Presbyterian Mission, North, and the Methodist Episcopal Mission, in the U. S. A., and the Rockefeller Foundation, will represent the medical unit. It is a matter of satisfaction that this building programme which has been held up for so long has at last been put into execution. With this increased accommodation for outpatients and for hospital beds, including rooms for private patients, it is hoped that the hospital will gradually become practically self-supporting.

**FINANCIAL REPORT.** The financial situation of the Medical School and Hospital is rapidly becoming very critical. During the year under review, the Rockefeller Foundation have reduced their grant by half, which has meant a reduction of \$25,000 in the Medical School receipts. This grant, during the past years, has enabled the Medical School to expand, chiefly along the line of increasing our Chinese staff, and it is almost impossible to make further economies without seriously jeopardising the future of the school. During the present year, however, mainly by means of increased receipts in the hospital, and by making use of most of the suspense funds, we have been able to get through without

a deficit. For the coming year, however, we are faced with a further drop in our income of \$25,000, owing to the cessation of the Rockefeller Foundation grant. This has, to some extent, been covered by emergency grants of \$6000, from the Rockefeller Foundation, and of \$14,000 from the China Foundation, for which we cannot be too grateful. Grants from missions, however, partly owing to actual decrease in the amounts of the grants, and partly owing to a fall in the exchange, continue to dwindle, so that, during the ensuing year, it will be very difficult to make ends meet. For the year 1936-37, it will be necessary to find at least \$20,000 from other sources, unless we are to consider a radical change from our present standard of work. Efforts are being made towards the raising of an endowment fund, both from friends in China and abroad, and it would seem that the future of the Medical School is contingent upon the success of these efforts. It may further be hoped that the opening of the new wing of the hospital and the new out-patient department will, in time, prove a source of revenue, but we can hardly expect much assistance from this quarter until its organisation is in smooth running order.



*In the Bacteriology Laboratory*

DISTRIBUTION OF GRADUATES OF  
CHEELOO SCHOOL OF MEDICINE

(1915—1934)  
(January 1935)

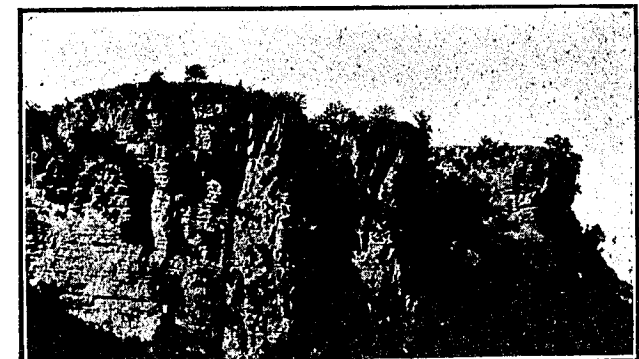
Year	No.	Cheeloo	P.U.M.C.	Mission Hospitals	Municipal Hospitals	Govt. & Public Health Service	Railway Hospitals	Other Institutions	Private Practice	Not located or not practising	Dead
1915	7				1				5		1
1916	6				1				2		3
1917	6			1	1				3		1
1919	37			6	1	2	2		25	1	
1920	30	1		8	1	1	1		16		2
1922	22			6†	2	1		1	11		1
1923	13			4		3	1		5		
1924	18	1		3					13	1	
1925	10	1		2	1	2	1		3		
1926	25	3		8*		1	1		11		1
1927	13			3		2	2	1	5		
(Jan.) 1928	12	2		5	1				3	1	
(June) 1928	20	1		4	2	4	1		8		
1929	9		2	3		1			2	1	
1930	15		1	3	2	5		2	2		
1931	8	1	1	3		2			1		
1932	20	4		7	3	3	1				
1933	28	3	1	15	2	5			2		
1934	14	5		5	2	2					
	313	22	5	86	20	34	10	4	119	4	9
1935	20	8		10				2			

\* 1 part time  
† 1 " "

DISTRIBUTION OF GRADUATES OF  
PEKING WOMEN'S UNION MEDICAL COLLEGE

(1914—1923)  
(Amalgamated with Cheeloo School of Medicine 1923)  
(January 1935)

Class	No.	Mission Hospitals	Govt. Hospitals	Private Practice	Abroad	Dead
1914	2	1		1		
1915	3	1		2		
1917	4	1	1			2
1919	17	7		9	1	
1921	21	9	2	9	1	
1922	5	1	1	2	1	
1923	5	2	1	1	1	
Total	57	22	5	24	4	2





**FINANCIAL REPORT FOR THE YEAR**  
July 1, 1934-June 30, 1935.

**SCHOOL OF MEDICINE**

**RECEIPTS**

Missions	Mex.
American Presbyterian Mission, North . . . . .	\$1600.00
"    "    "    " substitute salary . . . . .	3000.00
American Presbyterian Mission, South . . . . .	258.57
Baptist Missionary Society . . . . .	3143.00
British Section Board of Governors . . . . .	543.00
London Missionary Society . . . . .	1420.00
Methodist Missionary Society (English) . . . . .	5942.38
Society for the Propagation of the Gospel . . . . .	1875.00
United Church of Canada Mission . . . . .	1258.72
United Church of Canada (Women's Missionary Society) . . . . .	2552.31
Women's Committee (A. P. M. N. & W. F. M. S.) . . . . .	9793.92
Federated Women's Boards, Day of Prayer Offering . . . . .	1599.48
	<u>32,986.38</u>
<b>Other Sources</b>	
Rockefeller Foundation Grant . . . . .	23087.50
Students' Fees . . . . .	11086.00
Reserves . . . . .	5703.51
Rents . . . . .	3788.24
Donations (Provincial Government) . . . . .	1500.00
	<u>45,165.25</u>
	<u>\$78,151.63</u>

**EXPENDITURES**

a. Administration . . . . .	12474.25
b. Salaries paid by Medical School . . . . .	36969.35
c. Departmental . . . . .	12438.49
d. Maintenance . . . . .	8409.34
e. Transfer to Hospital . . . . .	7860.20
	<u>\$78,151.63</u>

**HOSPITAL** (details in separate Hospital Report)

Local Receipts . . . . .	101,938.59
Transfer from Medical School . . . . .	7,860.20
	<u>Total \$109,798.79</u>
Expenditures . . . . .	<u>109,798.79</u>

The above financial statement does not include receipts and expenditures on account of the various co-operating missionary societies for the salaries, allowance and furloughs of the 22 missionary members of the Medical School and Hospital staff.

**BOARD OF GOVERNORS CHEELOO UNIVERSITY**

(1934-1935)

**NORTH AMERICAN SECTION**

DR. A.J. BROWN,-	A.P.M.N.	DR. A.E. ARMSTRONG,-	U.C.C.
MISS M.E. HODGE,-	"	DR. J.H. ARNUP,-	"
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MISS H. KITTREDGE,-	"	DR. S.M. MILLIKEN,-	"
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DR. E.H. HUME,-	"	(1 vacancy)	
MRS. J.M. AVANN,-	W.F.M.S. of M.E. Church		
MRS. C.K. CECIL,-	"		
MRS. W.I. HAVEN,-	"		

Secretaries;-- MR. B.A. GARSIDE, MR. C.A. EVANS.

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*DR. A.C. INGLE,-(REV. E.W. BURT)"	"	DR. H.W.S. WRIGHT,-	"
†DR. R.F. MOORSHEAD,-	"	DR. H. BALME,-	Co-opted
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MR. K. MACLENNAN,-	"	MR. H.G. JUDD,-	"
REV. GODFREY PHILLIPS,-	Alt. L.M.S.	MISS E.G. KEMP,-	"
REV. W.A. GRIST,-	M.M.S.	SIR ALFRED LEWIS,-	"
DR. A.W. HOOKER,-	"	MR. W.B. SLOAN,-	"
*MISS C. HORNBY.- (MISS. HILDA "			

PORTER)

†died during year

\*resigned during year

**CHINESE SECTION**

DR. CH'ENG CH'ING YI  
DR. CHANG PO LING

DR. Y. Y. TSU  
THE PRESIDENT (ex officio)

**BOARD OF DIRECTORS**

**A.P.M.N.**

REV. P. R. ABBOTT D.D.  
MR. S.K. T'AN

**A.P.M.S.**

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**M.M.S.**

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REV. G.K. KING

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**A.P.M.N.**

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**W.F.M.S.**

MISS H. TSENG (alt. Miss E.  
Studley

**U.C.C.**

MISS M. SHIPLEY

**Alumni**

MR. T. C. CHANG  
MR. F.C. CHENG

DR. T. CH'EN  
DR. L. M. HAN

REV. H.L. YEE

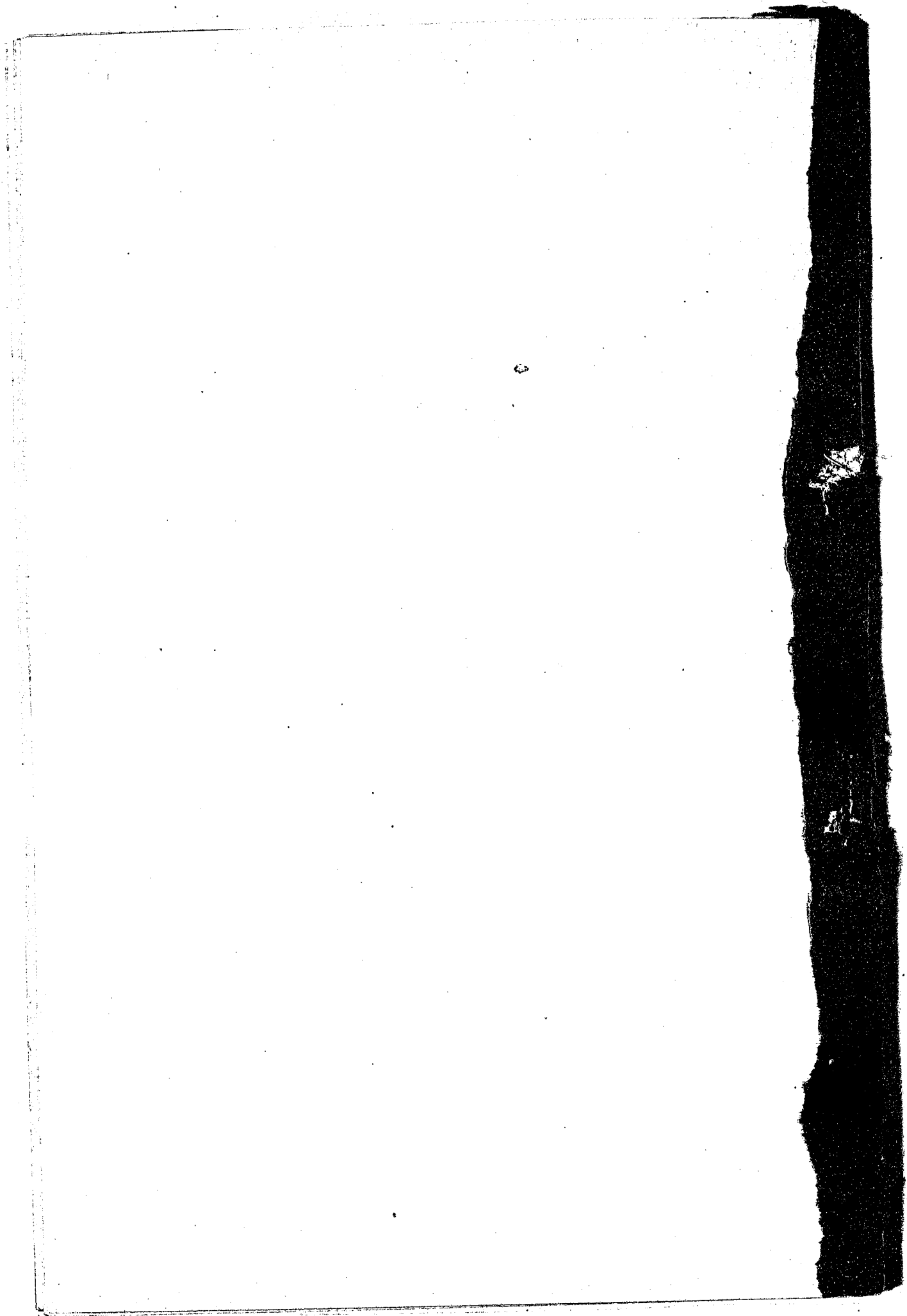
**Co-opted**

DR. H.H. K'UNG  
MR. T.H. SUN

MR. Z.V. LEE  
DR. Y.Y. TSU

MR. H.C. WANG







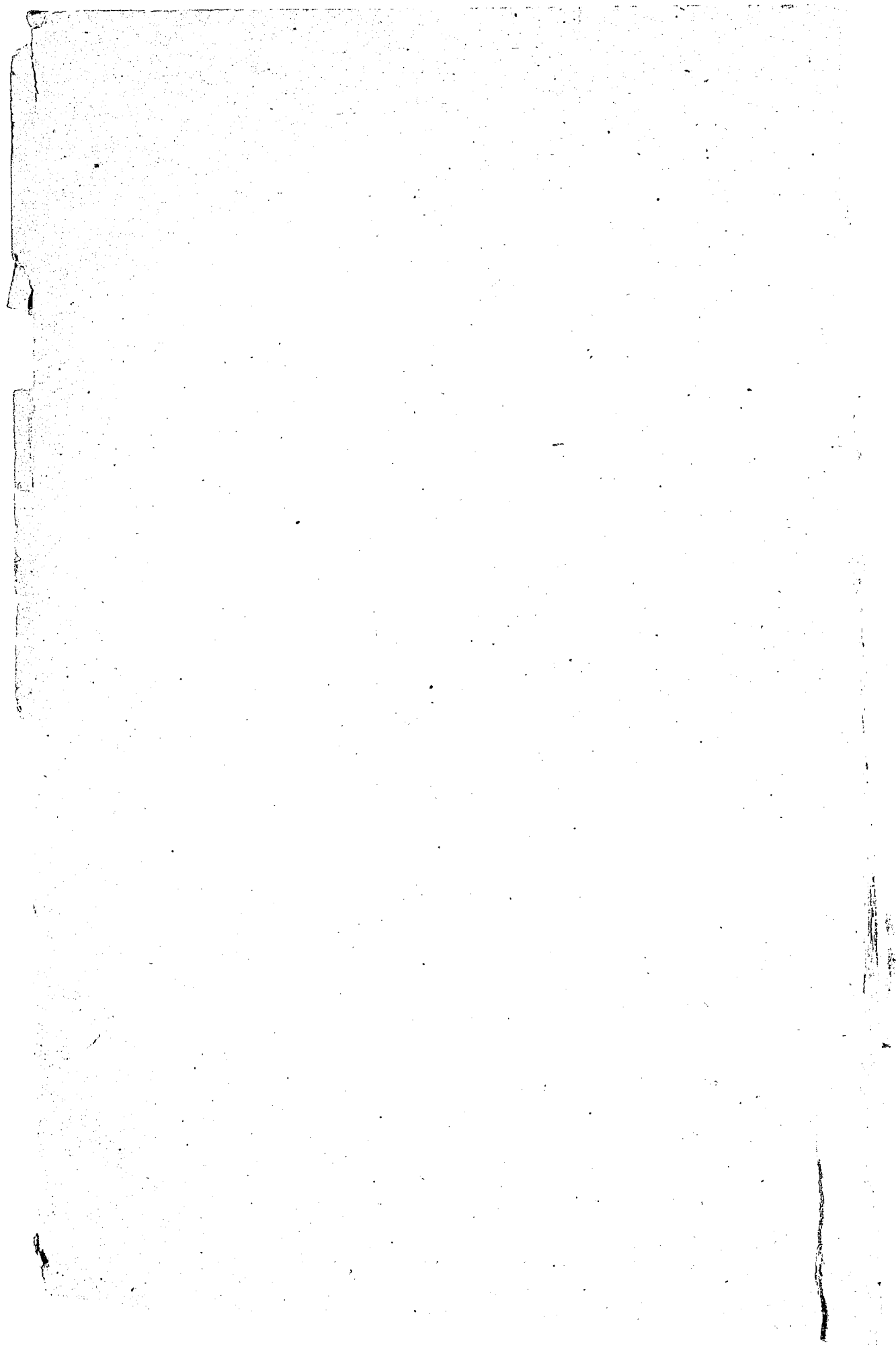
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REPORT of the SCHOOL OF MEDICINE  
of CHEELOO UNIVERSITY  
(SHANTUNG CHRISTIAN UNIVERSITY)

1936

University Bulletins No. 98

Tsinan, Shantung, China



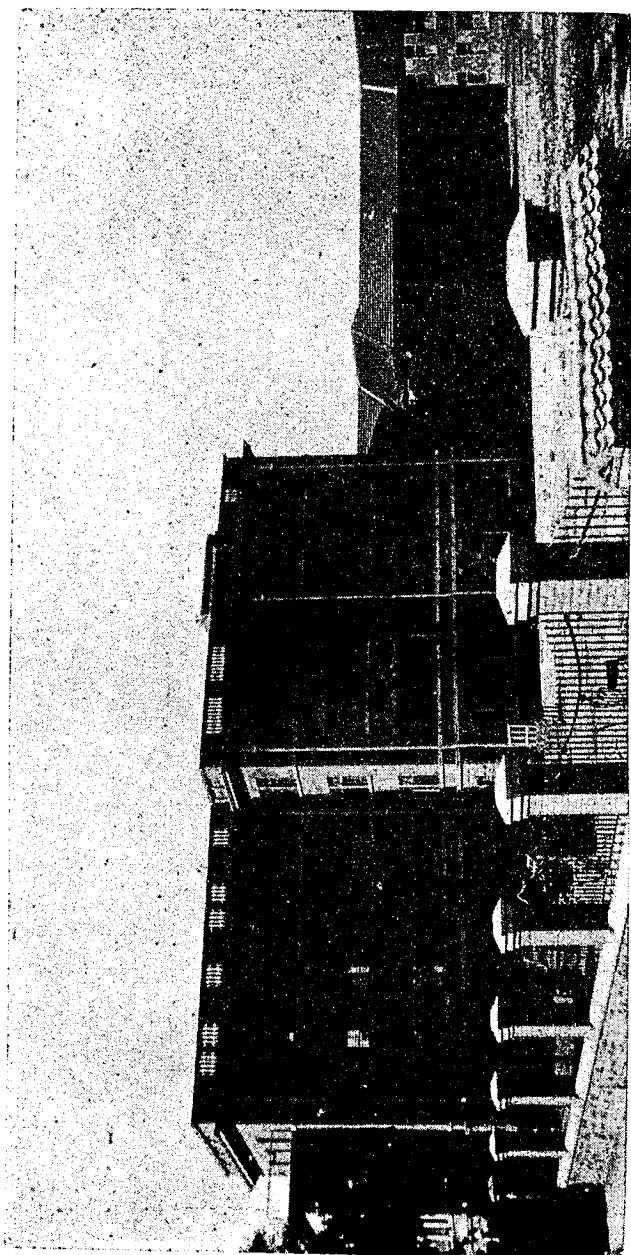
REPORT  
OF THE  
SCHOOL OF MEDICINE  
OF  
CHEELOO UNIVERSITY  
(SHANTUNG CHRISTIAN UNIVERSITY)

---

FOR THE YEAR ENDING JUNE 30th, 1936

---

TSINAN, SHANTUNG, CHINA.



*New Hospital and Out-Patient Department*

**CHEELOO UNIVERSITY  
OFFICERS OF ADMINISTRATION**

---

- LIU SHU-MING (SHIH CHUAN,) M.A., President, Cheeloo University.  
PETER C. KIANG, B.A., M.D., Dean, School of Medicine.  
RANDOLPH TUCKER SHIELDS, B.A., M.D., Associate Dean, School of  
Medicine.  
LAN HUA LIU YUI, M.A., Dean of Women.  
HOWELL PORTMAN LAIR, B.A., B.D. S.T.M., D.D., Treasurer.  
FU WEI FANG, Assistant Registrar of University.  
GORDON KING, L.R.C.P., F.R.C.S. (ENG.) F.C.O.G., Superintendent,  
University Hospital.  
FRANCES R. WILSON, R.N., Superintendent, Nurses Training School.  
JESSE B. WOLFE, B.A., Business Manager and Superintendent of Works.

**SCHOOL OF MEDICINE  
FACULTY AND INSTRUCTORS**

- PETER CH'ING KIANG, B.A., (St. John's), M.D., (Univ. of Penn.), Dean  
School of Medicine, Professor of Bio-chemistry.  
\*RANDOLPH TUCKER SHIELDS, B.A., (Washington & Lee) M.D. (Med.  
Coll. Virginia). Associate Dean, School of Medicine, Professor of  
Histology and Embryology, Acting Head of Anatomy Dept.  
CHANG CHUN HUA, B.S. (S.C.U.) Demonstrator in Physiology.  
EUGENE CHAN, B.S., M.D., (Boston Univ.) Dept. of Ophthalmology.  
CHANG HUI CHUAN, M.D. (S.C.U.) Assistant Professor of Histology &  
Embryology.  
CHEN YEN PING, M.D. (S.C.U.) Associate in Physiology.  
CHU CHING SHEN, Instructor in Pharmacy & Materia Medica.



\*PHILIP SAFFERY EVANS, Jr., B.A., (Yale), M.D. (Johns Hopkins). Professor of Physiology.

FAN PEI LU, M.D. (S.C.U.) Instructor in Pediatrics.

ARABELLA SANGSTER GAULT, B.A. (Wooster), M.D. (Johns Hopkins). Assistant Professor of Medicine.

\*MARY P. GELL, M.B., Ch. B., (Sheffield). Associate in Obstetrics & Gynaecology.

THEODORE C. GREENE, B.A., M.D. (Harvard). Assistant Professor of Neurology. Head of Dept. of Radiology.

HOU PAO CHANG, M.D. (P.U.M.C.) Graduate (S.C.U.) Professor of Pathology.

†HSU YIN T'ANG, M.D. (Nat. Med. Coll.) Associate in Pathology.

LAURENCE MANSFIELD INGLE, B.A., M.B. Ch. B. (Cantab.) F.R.C.S. (Eng.), Professor of Surgery.

KAO YUNG EN, M.B., Ch. B. (Mukden), Public Health Department.

GORDON KING, L.R.C.P. (Lond.) F.R.C.S. (Eng.), F.C.O.G. Associate Professor of Obstetrics and Gynaecology, Superintendent of University Hospital.

LANG KUO CHEN, M.D. (S.C.U.). Assistant Professor of Otolaryngology.

†LIANG CHI SHEN, M.D. (S.C.U.) Assistant in Surgery.

LI TSAN WEN, B.S. (Soochow) Assistant Professor of Bio-chemistry.

LI YUAN FU, (Grad. S.C.U.) Instructor in Otolaryngology.

LIN LIEN CHING, M.D. (S.C.U.), Associate in Medicine.

LIU KUO HUA, Assistant in Pharmacy.

WILLIAM MCCLURE, B.A., M.D., C.M. (McGill). Emeritus Professor of Internal Medicine.

JULIA MORGAN, M.A. (Dickinson Coll.), M.D. (Univ. of Penn.) Associate Professor of Internal Medicine.

FRANCIS HENRY MOSSE, M.A. (Oxon.), M.R.C.P. (Lond.). Associate Professor of Internal Medicine.

WILLIAM PERCY PAILING, B.D., M.P.S., Ph. C. (Lond.). Associate Professor of Materia Medica & Pharmacy. Chaplain of the University Hospital.

PHILIP B. PRICE, B. A. (Davidson), M. D. (Johns Hopkins). Associate Professor of Surgery.

ANNIE V. SCOTT, B.S. (Univ. of N. Carolina), M.D. (Women's Med. Coll of Penn.) Associate Professor of Pediatrics.

H. JOCELYN SMYLY, M.A, M.D., Ch.B., F.R.C.S. (Ireland). Professor of Clinical Medicine. Superintendent of the Leper Hospital.

ERNEST B. STRUTHERS, B. A, M. D. (Toronto), D. T. M. H. (Eng.). Professor of Internal Medicine, Acting Head of Public Health Department.

†SUN CHIA CH'I, M.B. (Mukden), Associate in Public Health.

LOIS WITHAM, M.S. (Kansas State Coll.), D.Sc. (Johns Hopkins). Associate Professor of Biochemistry, Acting Head of Bacteriology Department.

YAO HSIN YUAN, M.D. (P.U.M.C.), C.P.H. (Johns Hopkins.) Honorary Associate Professor of Public Health.

YEH LU MING, M.D. (S.C.U.) Instructor in Anatomy.

YEW CHIA-CHUN, M.D. (S.C.U.) Assistant Professor of Dermatology.

YU FU HSIN, Chief Technician.

\* On furlough 1935-36.

† Resigned

### HOSPITAL PROFESSIONAL STAFF

The attending professional staff of the hospital consists of members of the clinical departments of the School of Medicine.

### RESIDENT STAFF

#### Medical Department

Liu Kuei Lin, M.D., Asst. Resident in Medicine

Su Sheng Hui, M.D. " " " "

Resident in Pediatrics

Pi Chin Chao, M.D., " " "

Hsieh Ching Ku'ei, M.D., Asst. Resident in Skin

**Surgical Department**

Liu Yung Yao, M.D., Resident in Surgery & Asst. Hosp. Supt.  
 Liang Ch'i Shen, M.D., Resident in Surgery.  
 Hou Chun Chih, M.D., Asst. Resident in Surgery  
 Li Ch'un Ying, M.D., " " " "  
 Chin Mao Yueh, M.D., Asst. Resident in Obstetrics & Gynaecology  
 Miss T'ang Yu Te, M.D., " " " " "  
 Florence Liang, M.D., " " " " "  
 Dr. Li Yuan Fu, Clinical Asst. in Eye  
 Tsou Chih, M.D., Asst. Resident in Eye

**INTERNE STAFF (5th year students)**

Chang Chao	Kuo Teh Lung
Chang Kuan Ying	Miss Lan Yu Lien
Chang Tun Jen	Liang Ch'i Hsuan
Chao Shih Hsun	Liu Ch'u Fei
*Ch'ien Chao Sheng	Liu Hsi Kung
Miss Chow Mei Lin	Miss Wang Feng Min
Chow Yu San	Wang Wei Tseng
Feng Lan Fen	Miss Wang Yun Fang
Huang Fu Shao	Yang Chung Ta

\*died January 1936

**NURSING STAFF (HOSPITAL & TRAINING SCHOOL FOR NURSES)**

FRANCES R. WILSON B.S., R.N.	Superintendent of Nurses.
ROSA BELL, R.N.	Supervisor & Instructor
CORAL M. BRODIE, R.N.	" "
FLORENCE E. EVANS, B.A., R.N.	" "
MARJORIE ALDERSON, S.R.N.	" "
MOLLIE E. TOWNSEND, R.N.	Anaesthetist "
MISS TAO AI CHU, N.A.C.	Night Supervisor
MISS WANG LI JUNG, N.A.C.	" "
MISS HAN FENG YING, N.A.C.	Operating Room Supervisor

MISS CHANG HSUEH CH'IN, N.A.C.	Head Nurse
*MISS CHANG JUNG AI, N.A.C.	"
*MR. CHANG MING TUNG, N.A.C.	"
MISS CHAO KUN, N.A.C.	"
MISS CH'EN WEN TSENG, N.A.C.	"
MISS HU CHING TZE, N.A.C.	"
*MISS MAO SHU CHUNG, N.A.C.	"
MISS WU HO PAO, N.A.C.	"
MR. CH'I LINN, N.A.C.	"
MISS HSIANG HSIU YING, N.A.C.	Acting Head Nurse
MR. LI CHING PIN, N.A.C.	" "
MISS LI MEI YU, N.A.C.	" "
*MR. YEN CHIEH JEN, N.A.C.	" "
MISS LI HSIANG CHUN, N.A.C.	Relief Head Nurse
MR. CHU CH'IU, N.A.C.	General Staff duty
MR. CHU WEN T'EN, N.A.C.	" "
MISS HAN I TEH, N.A.C.	" "
MISS HSU CH'ING YUN, N.A.C.	" "
MISS HSU YU MEI, N.A.C.	" "
MR. LI YU CHI, N.A.C.	" "
MISS LIU FENG CHEN, N.A.C.	" "
MISS LIU HSIU MEI, N.A.C.	" "
MISS MA YU JUNG, N.A.C.	" "
MISS WAN I CHENG, N.A.C.	" "
MISS WANG CHING AI, N.A.C.	" "
MISS WANG JUI LING, N.A.C.	" "
MISS WANG MEI YU, N.A.C.	" "
MISS HSIANG AI CHEN, N.A.C.	Private Patient Clinic
MR. MA SHENG T'ANG, N.A.C.	O.P.D.
MR. CHANG KU'EI WEN, N.A.C.	General Dietary Department
*MISS KUNG PAO YEN, N.A.C.	Public Health Department
MISS KUO CH'ENG HSIN, N.A.C.	" "
MR. WANG LI PO, N.A.C.	" "
MISS LIU SU CH'IN, N.A.C.,	Hou Tsai Men Maternity Clinic
*Resigned during year	

**Department of Massage and Physiotherapy,**

\*GLADYS V.L. NUNN, (E. Suffolk Hospital, Ipswich; London School of  
 Massage, Westminster Hospital, Reg. Mem. C.S.M.M.G.)  
 LIU LIEN HSI, N.A.C. (S.C.U. Hospital).  
 WANG-LIU CH'ING LAN (S.C.U. Hospital).

**Social Service Department**

\*HAZEL H. MYERS.

MISS WANG WEN CHIANG.

MISS CH' IEN CHIEH HUA

**ADMINISTRATIVE OFFICES**

\*JESSE B. WOLFE, B.A., Business Manager, Medical School & Hospital.

YEN CHAO, Assistant Business Manager, " "

MAIDA MORTON SMITH, Secretary to the Dean, School of Medicine.

†CONNIE WILLIAMSON, Secretary to the Hospital Superintendent. & Private Patient Clinic.

MISS LI HSIU HUI " " " " " "

LIU HUNG YU, Office Assistant.

WANG CHIA SHAN, Store-keeper.

\*On furlough 1936

†Resigned June 1936



*A Group of Staff and Students  
starting for a Refugee Camp*

**REPORT OF THE SCHOOL OF MEDICINE**

*For the Year Ending June 30th, 1936*

**ACADEMIC WORK.** Work has been carried on as usual during the year, though a certain amount of rearrangement of the timetable was necessitated on account of the longer winter vacation ordered by the Ministry of Education. Most of the time thus lost was made up by cutting out the spring holiday and various odd holidays.

The work of the 3rd year was cut short by a month in order to enable the students to attend the military training camp in Nanking from May 27-July 27. This has meant the postponing of some of their examinations until the autumn.

**STUDENTS.** The number of students enrolled during the past year was 99, whom 24 were women.

The graduating class this year consisted of 16, three of whom were women. We regret to report the death, in January, of one of the members of the graduating class. 6 members of the class are remaining in our own hospital, 6 are going to mission hospitals, 1 to the Central Hospital, Nanking, and 2 to the Peiping Union Medical College. As usual, the demand for our graduates, and especially for women, is far greater than the supply.

**SPECIAL COURSES.**

**Pharmacy.** A new class of 21 students, 15 men and 6 women, was admitted last September, for the 2-year course in Pharmacy.

**Laboratory Technique.** Last year's class of 4 students (and 2 special students) completed the course in March and a new class of 4 was admitted. There is always a long waiting list for this course, as, owing to shortage of staff and of accommodation, it is not possible to admit more than 4 students to the regular class each year. It is hoped that, in time, it may be possible greatly to enlarge the scope and usefulness of this course.

**Electro-therapeutics & Massage.** On account of the absence on furlough of Miss Nunn, no class has been held during the past year, but it is hoped to admit a new class in September

**MEDICAL CARE OF FLOOD REFUGEES.** In October last, the China International Famine Relief Commission and the local municipal Government asked Cheeloo Medical School and Hospital to undertake the medical care of the 19000 flood refugees, distributed in 31 camps in and around Tsinan. The whole staff and student body were organised into 11 groups, each of which took charge of 2 or more camps, which they visited at least twice a week, doing vaccinations and treatments of minor ailments. Patients requiring more attention were sent to the out-patient department or admitted to hospital.

This work, which lasted till the end of March, while providing good experience for the students, proved a heavy burden for both staff and students, being in addition to the regular schedule of teaching and hospital work. However, it is felt to have been well worth while.



*Treating Patients in a Refugee Camp*

**STAFF.** Dr. Shields has been on furlough throughout the year and it is hoped that he will return in the winter.

From July to September 1935, Dr. Kiang had leave of absence to attend the International Physiological Congress in Russia.

During the year, Dr. Ingle, as Acting Associate Dean, has helped in the work of the Dean's office. This summer he is taking three months of his furlough, postponing the remainder to a later date, and, during his absence, Dr. Price is taking over his duties in the Dean's Office.

Dr. Smyly also left in June, for six months' furlough.

Mr. Wolfe, whose furlough was due last year, could not be spared until the building of the new hospital wing was completed. He was able to leave in March of this year and expects to return at the end of December.

Dr. Evans left for the United States, on special leave of absence, for family reasons, last November, and it is hoped that he will return before the opening of the autumn term.

Dr. Ch'en Yen Ping has received a fellowship, from the China Foundation, for study in America, and expects to leave this summer for Chicago, where he will do special work in Physiology in Northwestern University.

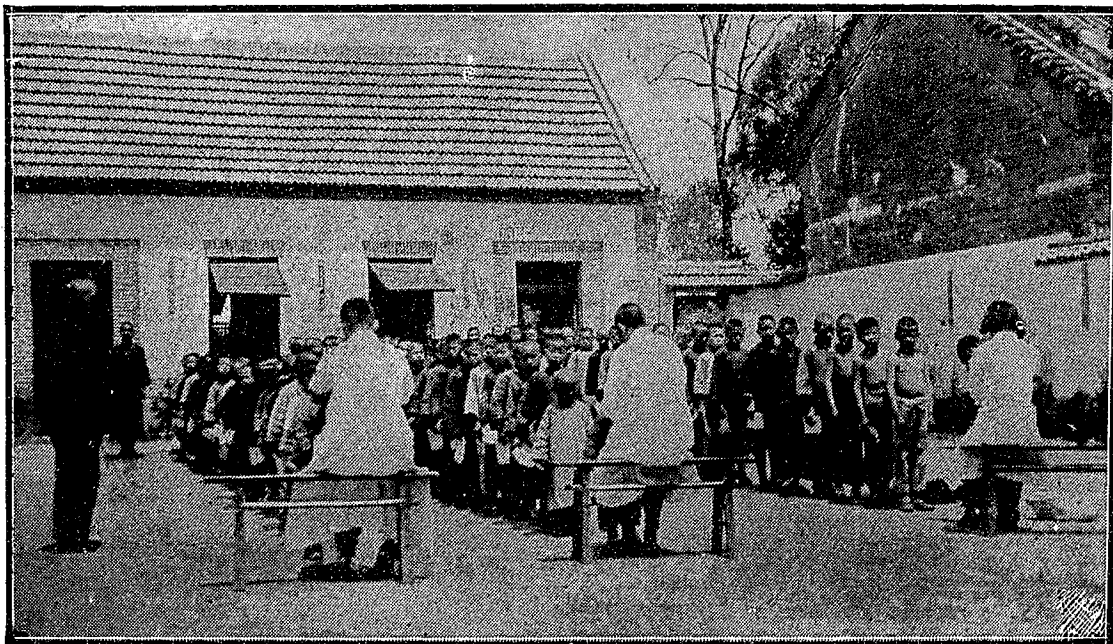
Drs. Lang, Lin and Morgan returned from furlough in the early autumn. Dr. Gell is expected to return in August of this year.

We deeply regret to record the death, in October 1935, of Dr. Susan Waddell Hsu, for many years a member of the faculty of the Medical School. Dr. Waddell's work and influence will long be remembered in Cheeloo with gratitude and affection.

It is with great satisfaction that we are able to report the appointment to the staff of the School of Medicine, by the Methodist Missionary Society, of Mr. Stanley N. Prescott. Mr. Prescott is a physiologist and pharmacologist and has had valuable experience in teaching these subjects in England. It is hoped that Mr. Prescott will arrive on the field in the autumn.

Several years ago an invitation was extended to Dr. Lois Witham to join the staff of the Medical School. For various reasons, the Methodist Episcopal Mission (W.F.M.S.), under which Dr. Witham was working, was unable to arrange for her transfer to Cheeloo then, but it was hoped that she would come at a later date. This hope has now materialised

and, in June, we were glad to welcome Dr. Witham to Cheeloo. Dr. Witham has taught for a number of years in Hua Nan College, Foochow, in the Women's Christian Medical College and at St. John's University, Shanghai. It is hoped that she will help during the coming year in the departments of Bacteriology and Biochemistry.



*Field Work in Public Health  
(Physical Examination of Country School Children by Students)*

**PUBLIC HEALTH DEPARTMENT.** There have been several changes in the staff of the Public Health Department during the year. As Dr. Yao Hsin Yuan expected to be away in the northwest during the greater part of the year, on work connected with the National Economic Council, Dr. Sun Chia Ch'i was appointed, in September, to take charge of the work of the department. Dr. Sun rendered valuable service in connection with the flood relief work during the winter. He left in March, to take up another appointment. Dr. Ch'en Chi Li also served for a short time in the department during the spring.

In March, Dr. Struthers was appointed Acting Head of the Department and he has been endeavouring to secure an assistant to take charge of School Health work, which the Medical School has undertaken in the Experimental Rural Education Area for Shantung province (6th area of Li Ch'eng Hsien). Visits were recently made to this district by the Public Health staff and students of the third year, and 2500 children in 54 schools were examined. As this report goes to press, we are glad to announce the arrival of Dr. Kao Yung En to take charge of this work. Dr. Kao has until recently served on the staff of Mukden Medical College.

The Public Health Department has also taken charge of the clinic at Lungshan during the past year.

At the request of the Wei Sheng Shu, lectures on public health and military hygiene were given by Dr. Kiang to the students in the military training camp at Hsinchuang during May and June.

**VISITING LECTURERS.** During the year, Dr. J. P. Maxwell, of the P.U.M.C., gave his annual course of lectures to the students and staff of the Medical School.

**POST-GRADUATE COURSE.** On account of the extra work entailed by the care of the refugee camps during the winter, no post-graduate course was given this year.



*Vaccination of Refugees by Students*

**COUNCIL ON PUBLICATION.** The work of the Council has been carried on as usual in its headquarters in the School of Medicine. The resignation of Dr. McAll from the position of Editorial Secretary and from the faculty of the School of Medicine was received last autumn with great regret. Mr. T.C. Leo, who had been acting as Editorial Secretary of the Council during Dr. McAll's absence on furlough, was appointed Editorial Secretary of the Council, Dr. Ingle continuing to act as Treasurer.

The following books have been published by the Council during the past year:—

Practical Anatomy (Cunningham) Vol. 2	Mr. Leo
Physiotherapy . . . . .	Miss Nunn & Dr. Ingle
Hare's Therapeutics (revised & enlarged)	Dr. Ingram & Mr. Leo
Pathology, (Stengel) (reprint) . . . .	Dr. McAll
Clinical Methods (Hutchison & Rainy) (reprint) . . . . .	Dr. McAll
Care & Feeding of Infants & Children (revised & enlarged) . . . . .	Dr. Scott & Mr. Leo
Laboratory Manual of Bacteriology . .	Drs. C. E. Lim & T. Li
Venereal Diseases; Surgeon General, U. S. Army (revised) . . . . .	Dr. T. Stearns & Mr. Leo

The following books are at present in the press,—

Medicine (Wheeler & Jack) 1st half . .	Dr. McAll
Materia Medica (Bruce & Dilling) . .	Mr. Pailing & Mr. Liu Kuo Hua

Practical Anatomy (Cunningham) Vol. 3	Mr. Leo
Halliburton's Physiology (revised) . .	Dr. Y.P. Chen & Dr. Evans
Operative Surgery (Miles & Wilkie) . .	Dr. Ingle

The following books are at present in process of translation or preparation:—

Pathology (Delafield & Prudden) . . .	Dr. Hou
Synopsis of Medicine (Tidy) . . . . .	
Human Parasitology, A Guide to (Blacklock & Southwell)	
Surgical Diagnosis (Shattock) . . . . .	

Ear, Nose & Throat (Turner) . . . . .
Embryology & Developmental Anatomy
Bacteriology (Zinsser) (revision) . . .
Appendix to May's Eye Diseases . . . .
Appendix to Medical Lexicon . . . . .

**NEW HOSPITAL & OUT-PATIENT DEPARTMENT.** The new out-patient department was opened to patients in September 1935, and the hospital a few weeks later, and both are proving very satisfactory. As yet, the income from the increased accommodation does not equal the expenditure, but it is hoped that this will gradually improve until the hospital becomes self-supporting.

Dr. Price's term of office as Hospital Superintendent expired at the end of February and, as he did not wish to continue in this position for a further term of service, Dr. King was appointed Superintendent for the period from March to December. A committee was appointed to make recommendations in regard to a permanent Hospital Superintendent.

Various alterations have been made in the old hospital and out-patient department, the Pathology Department having been moved to the east lower ward of the old hospital, thus giving larger and more convenient accommodation for the Pathological Museum, while the Public Health Department is now housed in part of the east wing of the old O.P.D. Other minor alterations will be made in the Medical School during the summer.

**FINANCIAL STATEMENT.** Thanks mainly to grants of \$6000, from the Rockefeller Foundation, and \$14,000, from the China Foundation, to the Medical School, and by the exercise of very careful economy, we were able to reach the end of the year without a deficit in the Medical School budget. The Hospital receipts have shown a satisfactory increase, so that the deficit on hospital account will probably not be more than \$7000. Though this result is gratifying, so far as it goes, it means that all departments of the Medical School have been running on skeleton budgets, and proper expansion has not been possible.



Efforts to raise an endowment fund have, so far, met with small success. \$11,000 has been collected in China. Dr. Shields has spent a year in America doing promotional work, so far with no very tangible results.

It is with very great gratitude that we record the renewal of the grants from the Rockefeller Foundation and the China Foundation, for the year 1936-37.

A special grant of \$3,000 gold from the Women's Committee in America towards the upkeep of the hospital during the ensuing year should mean that the hospital will not need any grant from the Medical School. Even so, however, the budget for the next year shows a deficit of \$9,000. A permanent increase of at least \$20,000 over our present annual resources is urgently needed. We cannot rely on the continuation of the two emergency grants from the Rockefeller and China Foundations. Our Chinese staff is relatively underpaid, and it should be our ideal to obtain on the field a sum of \$50,000 per annum, to pay the salaries of 20 Chinese members of staff. If this were achieved, then we might appeal to the mission boards for further additions to our foreign staff, in order to bring the total number of staff up to 40. A staff of this size should be adequate to cover the work of the Medical School, the enlarged hospital and the various outside activities in connection with Public Health.

## FINANCIAL REPORT FOR THE YEAR

July 1, 1935—June 30, 1936.

### SCHOOL OF MEDICINE

#### RECEIPTS

Missions	Mex.
American Presbyterian Mission, North . . . . .	\$5,000.00
" " " " substitute salary . . . . .	3,000.00
" " " South . . . . .	257.95
Baptist Missionary Society . . . . .	3,145.00
British Section Board of Governors . . . . .	660.00
London Missionary Society . . . . .	1,500.00
" " " substitute salary . . . . .	2,000.00
Methodist Missionary Society (English) . . . . .	5,651.79
Society for the Propagation of the Gospel . . . . .	2,100.00
United Church of Canada Mission . . . . .	1,326.49
" " " (Women's Missionary Society) . . . . .	2,600.00
Women's Foreign Missionary Society (Meth. Epis. Church) . . . . .	5,226.66
Federated Women's Boards, Day of Prayer Offering . . . . .	1,950.77
	<u>34,418.66</u>
<b>Other Sources</b>	
Rockefeller Foundation Grant . . . . .	6,000.00
China Foundation Grant . . . . .	14,000.00
Government Grant for Public Health . . . . .	1,400.00
Students' Fees . . . . .	11,735.00
Rents . . . . .	3,036.18
Endowment Fund Interest . . . . .	320.00
Reserves . . . . .	3,810.19
	<u>40,301.37</u>
	<u>\$74,720.03</u>

#### EXPENDITURES

a. Administration . . . . .	9,603.53
b. Salaries paid by Medical School . . . . .	36,594.65
c. Departmental . . . . .	13,371.90
d. Maintenance . . . . .	9,753.06
e. Transfer to Hospital . . . . .	5,396.89
	<u>\$74,720.03</u>

**HOSPITAL** (details in separate Hospital Report)

Local Receipts . . . . .	116,097.55
Transfer from Medical School . . . . .	5,396.89
Subsidy from China International Famine Relief Commission . . . . .	4,405.97
	<u>125,900.41</u>
Expenditures . . . . .	<u>125,900.41</u>



*The Mothers' Club, run by the Public Health Department, in co-operation with the Pediatrics Department*

**BOARD OF GOVERNORS CHEELOO UNIVERSITY**

(1935—1936)

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DR. C.B. McAFFEE, "	MISS S. STURTEVANT, "
MR. E.F. WILLIS, A.P.M.S.	DR. J.G. VAUGHAN, Corresp. Member
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DR. E.H. HUME, "	
MRS. J.M. AVANN, W.F.M.S. of M.E. Church	
MRS. C.K. CECIL, "	
MRS. FRANKLIN L. REED "	

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REV. E.W. BURT, "	DR. H.W.S. WRIGHT, "
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MISS HILDA PORTER "	MISS E.G. KEMP, "
REV. H.B. RATTENBURY, "	SIR ALFRED LEWIS, "
	MR. W.B. SLOAN, "

Secretary;— Dr. H. H. WEIR

**CHINESE SECTION**

DR. CH'ENG CH'ING YI	DR. Y. Y. TSU
DR. Y. T. TSUR	THE PRESIDENT (ex officio)



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MISS E. STUDLEY

**ALUMNI**

MR. KUO CHIN-NAN  
MR. CHANG TA-CHEN  
MR. WU K'E-MING

**CHURCH OF CHRIST IN CHINA**

DR. H.H. TS'UI

**CO-OPTED**

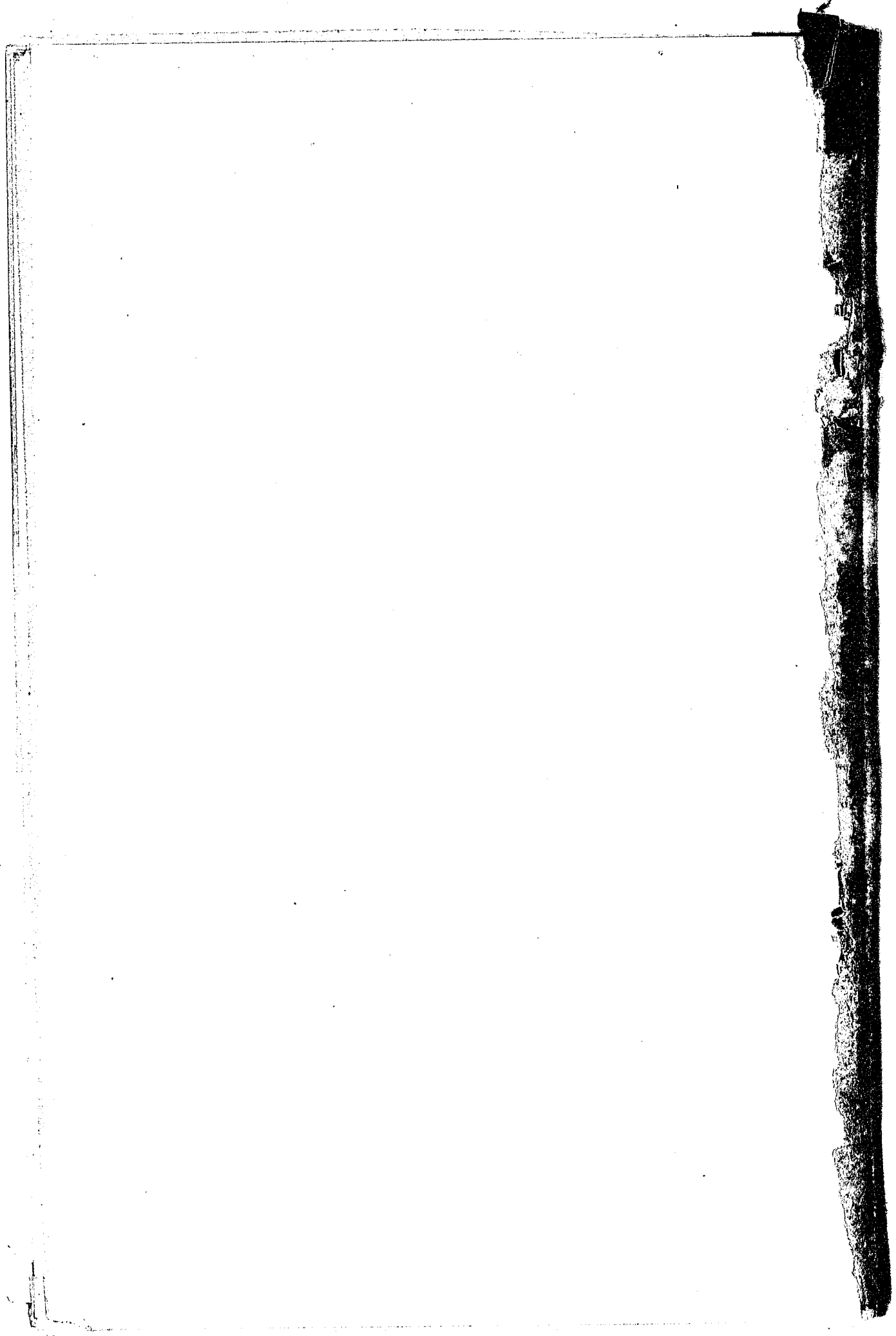
DR. H.H. K'UNG  
MR. Z.V. LEE  
DR. Y.Y. TSU  
DR. Y.T. TSUR

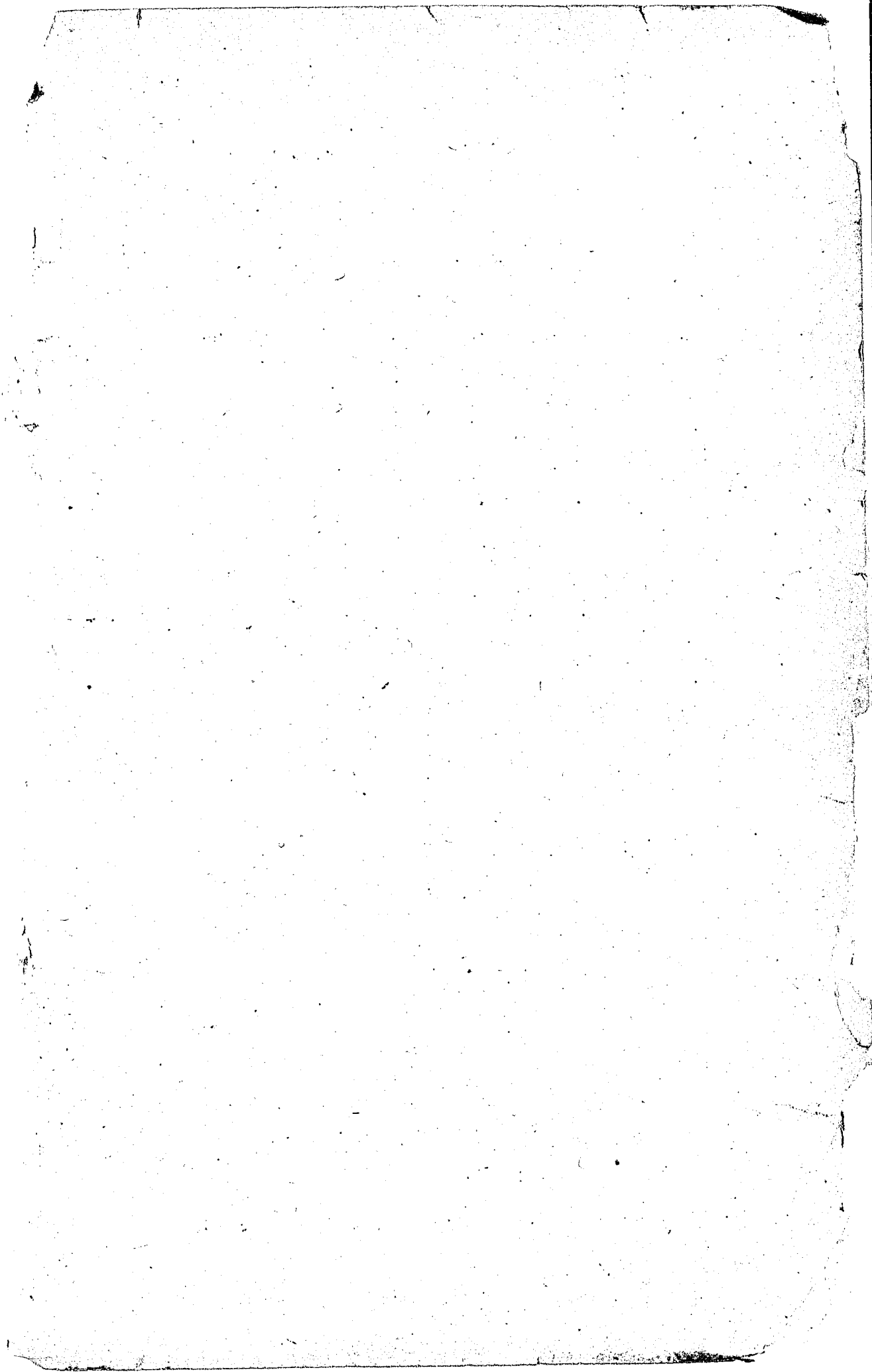
**PRESIDENT**

MR. S.T. LIU



*Refugees at the Cheefoo Delousing Station  
(Distribution of clean under-garments after bathing)*





**CHEELOO UNIVERSITY**

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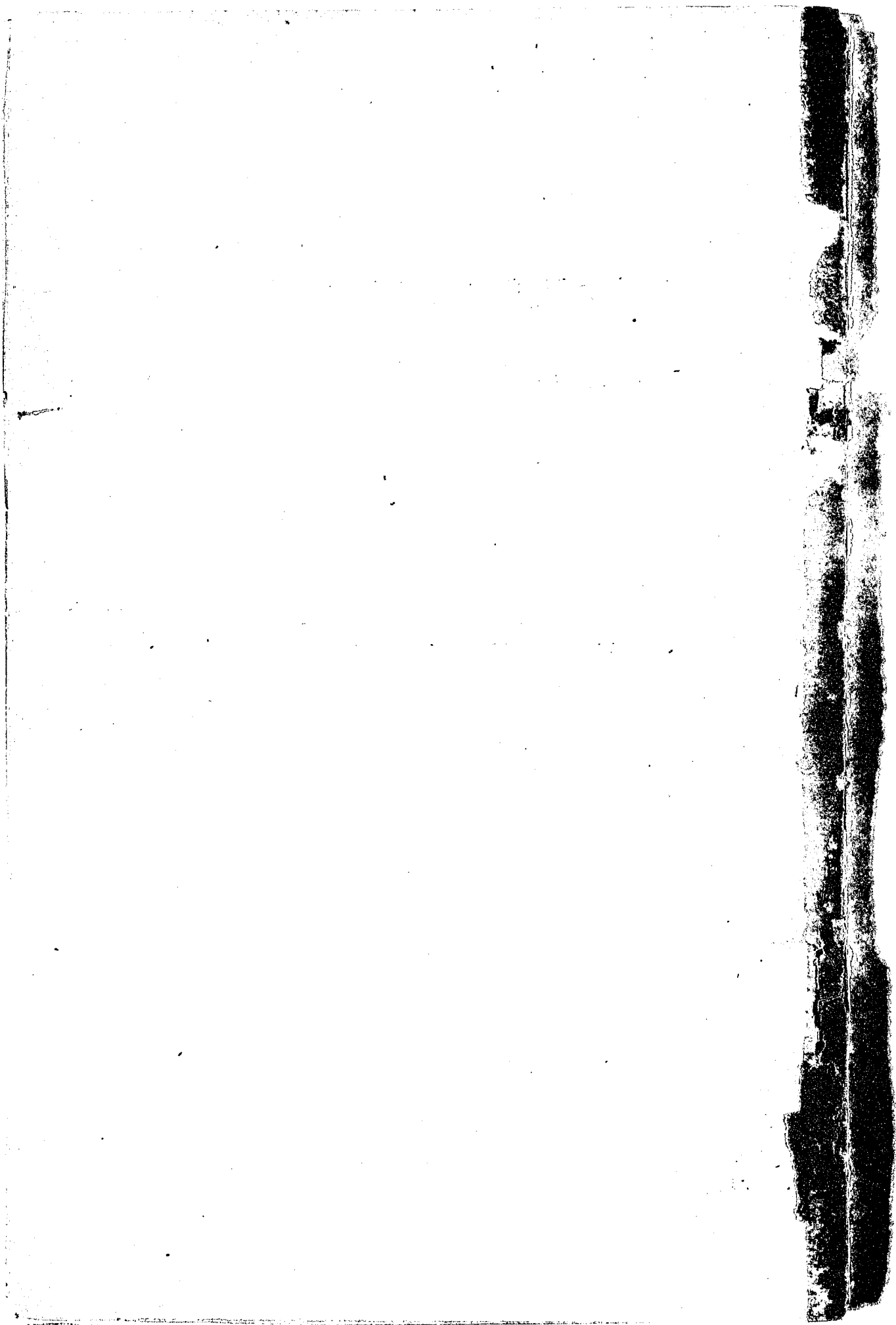
**TSINAN**

**SPECIAL COURSES**

**Entrance Regulations and Outline of Courses.**

**1940**

**Bulletin No. 102.**



University Calendar 1940-41.

1940

June 21 Fri.	Last day for receiving applications for First Entrance Examination.
July 8, 9 Mon, Tues.	Special Courses First Entrance Examination.
Aug. 10 Sat.	Last day for receiving applications for Second Entrance Examination.
Aug. 22, 23 Thur, Fri.	Special Courses Second Entrance Examination.
Sept. 10 Tues.	Autumn Term begins Freshmen report arrival.
Sept. 11-14. Wed.-Sat.	Freshmen Week.
Sept. 13, 14 Fri, Sat.	Registration and Payment of Fees.
Sept. 16 Mon.	Autumn Term Classes begin.
Oct. 10 Thur.	Holiday.
Dec. 25 Wed.	Holiday.

1941

Jan 1-3 Wed.-Fri.	New Year Holiday.
Jan. 13-17 Mon.-Fri.	Autumn Term Examinations.
Jan. 18 Sat.	Autumn Term ends
Feb. 6 Thur.	Spring Term begins.
Feb. 7 Fri.	Registration and Payment of Fees.
Feb. 10 Mon.	Spring Term Classes begin.
Apr. 7-12 Mon.-Sat.	Spring Holiday.
June 9-14 Mon.-Sat.	Spring Term Examinations.
June 15 Sun.	Baccalaureate Sermon.
June 16 Mon.	Commencement Spring Term ends.

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Other holidays, if any, will be announced by the Associate President's Office as occasion arises.

**CHEELOO UNIVERSITY  
TSINAN**

**SPECIAL COURSES 1940**

**NURSING** (four years)

**HOSPITAL LABORATORY TECHNIQUE** (three years)

**PHARMACY** (two years)

**MEDICAL SOCIAL CASE WORK** (three years)

**SOIL SCIENCE AND AGRICULTURAL SANITATION** (three years)

**RURAL SERVICE** (three years)

**ENTRANCE REGULATIONS**

**ADMISSION.** Graduates of recognised Senior Middle Schools are eligible as candidates for admission to any of the Special Courses except Nursing. Nursing Course candidates must, in addition, be women over the age of eighteen. Admission is dependent on the successful passing of the Entrance Examination.

**APPLICATION FOR ENTRANCE.** Intending candidates for admission to any of the Special Courses should apply to the Registrar for the necessary application forms. The following points in the application procedure should be noted carefully:—

- (1) **Application Form.** This is to be filled in by the candidate. The Special Course to which the candidate wishes to be admitted, and the Centre at which he or she wishes to sit the Examination should be clearly indicated.
- (2) **Medical Certificate.** This must be filled in and signed by a qualified physician.
- (3) **Certificate of Scholastic Grade and Moral Character.** This certificate is to be completed and signed by the principal of the candidate's middle school.
- (4) **Senior Middle School Graduation Certificate.**
- (5) **Photographs of Candidate.** Four two-inch photographs (head and shoulders) of the candidate are required, one of them attached to the Application Form. These are to be certified by the candidate's middle school principal.
- (6) **Application Fee.** This is two dollars.

(1), (2), (5), (6) above should be sent to the Registrar so as to arrive not later than the date given in the University Calendar. On receipt of these in good order, the Registrar will issue an Examination Pass which must be shown by the candidate at his or her Examination Centre. Under no circumstances will the above documents or fee be returned to the candidate.

Certificates (3) and (4) above should be sent to the Registrar as soon as possible after the candidate has completed his or her middle school course.

**ENTRANCE EXAMINATION DATES.** Two Entrance Examinations for the Special Courses will be held this year, one in July and the second in August. For exact dates see the University Calendar.

**EXAMINATION CENTRES.** The Examination Centres in 1940 will be as follows:—

**First Entrance Examination.** Tsinan, Tsingtao, Peking, Tientsin, Tongshan, Yungtsing, Changli, Shanghai.

**Second Entrance Examination.** Tsinan and Peking only.

Details of the exact place and hour of the Examination will be sent to each candidate with his or her Examination Pass. This Pass must be taken by the candidate to the Examination Centre, otherwise he or she will not be admitted to the examination.

Women candidates, who intend to sit the Entrance Examination in Tsinan and who wish the University to make arrangements for their accommodation for the period of the examination, should inform the Registrar. Men candidates are responsible for their own arrangements.

#### **EXAMINATION SYLLABUS**

Candidates for Nursing, Medical Social Case Work, and Rural Service Courses are required to take the following papers:

1. Chinese
2. English
3. Mathematics (Geometry, Algebra, Trigonometry)
4. General Science.

Candidates for the Hospital Laboratory Technique, Pharmacy, and Soil Science and Agricultural Sanitation Courses are required to take the following papers:—

1. Chinese
2. English
3. Mathematics (Geometry, Algebra, Trigonometry)
4. Chemistry.

#### **EXAMINATION RULES**

Except in the Chinese and English papers, the examination questions will be given in both Chinese and English.

Except in the English paper, candidates should write their papers in Chinese. The English form of technical terms may be added if desired.

Detailed regulations will be sent to each candidate with the Examination Pass.

**ACCEPTANCE OF CANDIDATES** All candidates, whether accepted or not, will be notified by letter. No candidate can be finally accepted until his or her Certificate of Scholastic Grade and Moral Character has been received.

On receipt of the Notice of Acceptance, each successful candidate should send to the Registrar, by registered post, his or her General Deposit of ten dollars. A Certificate of Admission will then be issued by the University. If this Deposit is not paid before the date specified on the Notice of Acceptance, the candidate's standing as an accepted student will be cancelled.

**GUARANTORS' CERTIFICATE** The Registrar will send a blank form for the Guarantors' Certificate to each admitted candidate. This form should be filled in by two guarantors of good standing, one of whom must be a Tsinan resident not on the University staff. The Certificate is to be presented at the University on arrival at the beginning of term.

#### **INFORMATION FOR NEW STUDENTS.**

1. New students should report at the Registrar's Office on the date indicated in the Calendar. Each should bring his or her Certificate of Admission and Guarantors' Certificate.
2. For purposes of record, each student is required to have a Medical Examination at the University before he or she registers. No fee is payable for this on the dates announced by the University. At other times a fee of one dollar is charged.
3. Students should register and pay fees on the dates announced in the University Calendar. The University Medical Certificate must be presented on registering.
4. Any student registering late must pay an additional fee of one dollar per day up to a maximum of three dollars. Registration more than three days late is allowed only on the approval of the Director of Studies, and a late registration fee of three dollars must be paid. No student will be allowed to register later than fifteen days after the announced date for registration.
5. Detailed announcements regarding registration and payment of fees procedure will be made on the University notice boards.
6. Any student found to have falsified his or her application forms or other documents will be dismissed immediately.



**NURSING  
FOUR YEAR CURRICULUM**

**First Year**

<i>First Term</i>		<i>Second Term</i>	
	<i>Credits</i>		<i>Credits</i>
Chinese . . . . .	3	Chinese . . . . .	3
English . . . . .	3	English . . . . .	3
Mathematics . . . . .	2	Elem. Math. Statistics . . . . .	2
General Biology . . . . .	3	General Biology . . . . .	3
Applied Chemistry . . . . .	3	Applied Chemistry . . . . .	3
General Psychology . . . . .	3	Intro. to Sociology . . . . .	3
Personal Hygiene . . . . .	1	Personal Hygiene . . . . .	1
	<hr/> 18		<hr/> 18
Physical Education . . . . .	2	Physical Education . . . . .	2

*Note:* One credit is granted for either (a) one lecture period per week per term. or (b) three hours of laboratory work per week per term.

**Second Year**

<i>Summer Term</i>	<i>Total Hours</i>
Practical Nursing . . . . .	80
Personal Hygiene . . . . .	8
English . . . . .	8
Nursing Practice in Hospital . . . . .	224
	<hr/> 320
 <i>Regular School Year</i>	
Anatomy and Physiology . . . . .	108
Bacteriology and Urinalysis . . . . .	48
Drugs and Solutions . . . . .	12
Ethics and History of Nursing . . . . .	20
Nursing Theory . . . . .	218
	<hr/> 406

with Practical Work in Hospital

**Third Year**

Materia Medica . . . . .	48
Ear, Nose, and Throat . . . . .	15
Eye . . . . .	15
Surgery . . . . .	24
Medical Diseases . . . . .	48
Pediatrics . . . . .	24
Dermatology . . . . .	12
Obstetrics and Gynecology . . . . .	48
Dietetics and Nutrition . . . . .	45
	<hr/> 279

with Practical Work in Hospital.

**Fourth Year**

Practical Nursing Procedures . . . . .	10
Nursing Problems . . . . .	20
Public Health . . . . .	36
Case Studies . . . . .	30
	<hr/> 96

Obstetrical Practice . . . . . one month  
(Nursing care during delivery of average of twenty cases)

with Practical Work in Hospital.

*Note:* *Physical Education* (two hours per week) is required for all first year students. In the second and following years all students are expected to take part in the arranged programme of games and athletics.

*Japanese* is offered regularly as an elective course of two hours per week.

First year students are required to spend an average of thirty minutes daily in supervised training in projects related to cooperative living: e.g. gardening and household tasks in the dormitory such as laundering, food preparation, cleaning etc.,

**NURSING  
FEES AND DEPOSITS**

**First Year**

Excluding the cost of books, etc., and returnable deposits, the first year's expenses amount to approximately \$222. Fees and Deposits, payable in local currency, are as follows:

<b>Fees</b>	Tuition . . . . .	per term	\$30.00
	Laboratory: Chemistry . . . . .	" "	5.00
	Biology . . . . .	" "	5.00
	Library . . . . .	" "	3.00
	Athletics . . . . .	" "	2.00
	Medical Attention . . . . .	" "	2.00
	Dormitory . . . . .	" "	14.00
	Board . . . . .	" "	approx. 50.00
	<b>Total</b> . . . . .	" "	<b>111.00</b>

**Deposits**

General . . . . .	10.00
(payable on receipt of Notice of Acceptance)	
Laboratory Breakage . . . . .	10.00
(payable at the beginning of the first term)	
Key ( " " " " " " " " )	2.00

**Special Fees**

Late Registration . . . . .	per day	1.00
(maximum \$3.00)		
Make-up Examination . . . . .	per subject	2.00

**Second, Third, and Fourth Years**

No Fees are payable during these years, with the exception of the Graduation Fee of \$3.00 at the beginning of the second term of the fourth year.

Students are required, however, to provide their own text-books and first six uniforms. Replacements of the latter will be provided by the University Hospital.

**NURSING  
HOSPITAL BURSARIES**

In order to help defray the increased expense involved in the longer Nursing Course, for the benefit of students with less ample means the University Hospital awards a maximum of fifteen Bursaries each year for the second term of pre-nursing studies.

These are

Five Bursaries of One Hundred Dollars each.  
and Ten Bursaries of Fifty Dollars each.

The Hospital will award these Bursaries to promising First Year students at the end of the Autumn Term. Entrance Examination results and Autumn Term grades will be taken into consideration.

Application should be made to the Hospital Superintendent during the Autumn Term.

**HOSPITAL LABORATORY TECHNIQUE  
THREE YEAR CURRICULUM**

**First Year**

<i>First Term</i>	<i>Credits</i>	<i>Second Term</i>	<i>Credits</i>
Chinese . . . . .	3	Chinese . . . . .	3
English . . . . .	3	English . . . . .	3
Mathematics . . . . .	2	Elem. Math. Statistics . . . . .	2
General Biology . . . . .	3	General Biology . . . . .	3
General Physics . . . . .	3	General Physics . . . . .	3
General Chemistry . . . . .	4	Analytical Chemistry . . . . .	4
Personal Hygiene . . . . .	1	Personal Hygiene . . . . .	1
	<u>19</u>		<u>19</u>
Physical Education . . . . .	2	Physical Education . . . . .	2

*Note:* One credit is granted for either (a) one lecture period per week per term. or (b) three hours of laboratory work per week per term.

**Second Year**

Anatomy and Physiology . . . . .	3	Anatomy and Physiology . . . . .	3
Physical Chemistry . . . . .	4	Organic Chemistry . . . . .	4
General Microbiology . . . . .	5	Immunology and Serology . . . . .	4
Invertebrate Zoology and Parasitology . . . . .	5	Histo-Pathology . . . . .	2
	<u>17</u>	Clinical Microscopy . . . . .	4
			<u>17</u>

**Third Year**

Clinical Chemistry . . . . .	2	Clinical Chemistry . . . . .	2
Hospital Laboratory Practice		Hospital Laboratory Practice	
Out-patient Department . . . . .	3	Out-patient Department . . . . .	3
In-patient Department . . . . .	3	In-patient Department . . . . .	3
Serology . . . . .	3	Serology . . . . .	3
Bacteriology . . . . .	3	Bacteriology . . . . .	3
Clinical Chemistry . . . . .	3	Clinical Chemistry . . . . .	3
	<u>17</u>		<u>17</u>

*Note:* *Physical Education* (two hours per week) is required for all first year students. In the second and following years all students are expected to take part in the arranged programme of games and athletics.

*Japanese* is offered regularly as an elective course of two hours per week.

Women students are required to spend an average of thirty minutes daily in supervised training in projects related to cooperative living: e.g. gardening and household tasks in the dormitory such as laundering, food preparation, cleaning etc.,

**HOSPITAL LABORATORY TECHNIQUE  
FEES AND DEPOSITS**

**First Year**

Excluding the cost of books, etc., and returnable deposits, the first year's expenses amount to approximately \$242. Fees and Deposits, payable in local currency, are as follows:

<b>Fees</b>		<b>per term</b>	
Tuition . . . . .			\$30.00
Laboratory: Chemistry . . . . .			10.00
Biology . . . . .			5.00
Physics . . . . .			5.00
Library . . . . .			3.00
Athletics . . . . .			2.00
Medical Attention . . . . .			2.00
Dormitory . . . . .			14.00
Board . . . . .		approx.	50.00
	<b>Total</b>		<b>121.00</b>

**Deposits**

General . . . . .	10.00
(payable on receipt of Notice of Acceptance)	
Laboratory Breakage . . . . .	10.00
(payable at the beginning of the first term)	
Key ( " " " " " " " " ) . . . . .	2.00

**Special Fees**

Late Registration . . . . .	per day	1.00
(maximum \$3.00)		
Make-up Examination . . . . .	per subject	2.00

**Second Year**

Second year fees amount to approximately \$252.00. In detail they are the same as those payable in the first year, except for the Laboratory Fees which are as follows:—

General Microbiology . . . . .	first term	\$10.00
Zoology and Parasitology . . . . .	" "	10.00
Chemistry . . . . .	per term	10.00
Immunology and Serology . . . . .	second term	5.00
Clinical Microscopy . . . . .	" "	5.00

**Third Year**

Third year fees include only Medical Attention, Dormitory and Board, with the addition of the Graduation Fee of \$3.00 which is payable at the beginning of the second term. The total amount is approximately \$135.00. The Key Deposit is also payable this year.

**PHARMACY  
TWO YEAR CURRICULUM**

		<i>First Term</i>	<i>Second Term</i>
		<i>Credits</i>	<i>Credits</i>
<b>First Year</b>			
English . . . . .	3	English . . . . .	3
General Biology . . . . .	3	General Biology . . . . .	3
General Chemistry . . . . .	4	Analytical Chemistry . . . . .	4
Organic Pharmaceutical Chemistry . . . . .	3	Organic Pharmaceutical Chemistry . . . . .	3
Inorganic Materia Medica . . . . .	2½	Inorganic Materia Medica . . . . .	2½
Prescription Reading . . . . .	1	Prescription Reading . . . . .	1
Practical Dispensing . . . . .	2	Practical Dispensing . . . . .	2
Personal Hygiene . . . . .	1	Personal Hygiene . . . . .	1
	<u>19½</u>		<u>19½</u>
Physical Education . . . . .	2	Physical Education . . . . .	2

*Note:* One credit is granted for either (a) one lecture period per week per term. or (b) three hours of laboratory work per week per term.

<b>Second Year</b>			
English . . . . .	2	English . . . . .	2
Organic Pharmaceutical Chemistry . . . . .	3	Organic Pharmaceutical Chemistry . . . . .	3
Organic Materia Medica . . . . .	3½	Organic Materia Medica . . . . .	3½
Prescriptions and Incompatibility . . . . .	1	Prescriptions and Incompatibility . . . . .	1
Physiology . . . . .	1	Physiology . . . . .	1
Pharmacy . . . . .	4	Pharmacy . . . . .	4
Practical Dispensing . . . . .	2	Practical Dispensing . . . . .	2
Book-keeping and Accountancy . . . . .	3	Book-keeping and Accountancy . . . . .	3
	<u>19½</u>		<u>19½</u>

*Note:* *Physical Education* (two hours per week) is required for all first year students. In the second and following years all students are expected to take part in the arranged programme of games and athletics.

*Japanese* is offered regularly as an elective course of two hours per week.

Women students are required to spend an average of thirty minutes daily in supervised training in projects related to cooperative living: e.g. gardening and household tasks in the dormitory such as laundering, food preparation, cleaning etc.,

**PHARMACY  
FEES AND DEPOSITS**

**First Year**

Excluding the cost of books, etc., and returnable deposits, the first year's expenses amount to approximately \$242.00.

Fees and Deposits, payable in local currency, are as follows:

<b>Fees</b>	Tuition . . . . .	per term	\$30.00
	Laboratory: Chemistry . . . . .	" "	10.00
	Biology . . . . .	" "	5.00
	Dispensing . . . . .	" "	5.00
	Library . . . . .	" "	3.00
	Athletics . . . . .	" "	2.00
	Medical Attention . . . . .	" "	2.00
	Dormitory . . . . .	" "	14.00
	Board . . . . .	" " approx.	50.00
	<b>Total</b>	" " "	<b>121.00</b>

**Deposits**

General . . . . .	10.00
(payable on receipt of Notice of Acceptance)	
Laboratory Breakage . . . . .	10.00
(payable at the beginning of the first term)	
Key ( " " " " " " " " )	2.00

**Special Fees**

Late Registration . . . . .	per day	1.00
(maximum \$3.00)		
Make-up Examination . . . . .	per subject	2.00

**Second Year**

Second year fees amount to approximately \$215.00. In detail they are the same as those payable in the first year except for the following:—

Laboratory: Materia Medica . . . . .	per term	\$5.00
Graduation Fee . . . . .	second term	3.00

**MEDICAL SOCIAL CASE WORK  
THREE YEAR CURRICULUM**

**First Year**

	<i>First Term</i>	<i>Second Term</i>
	<i>Credits</i>	<i>Credits</i>
Chinese . . . . .	3	Chinese . . . . . 3
English . . . . .	3	English . . . . . 3
Mathematics . . . . .	2	Elem. Math. Statistics . . . . . 2
General Biology . . . . .	3	General Biology . . . . . 3
General Psychology . . . . .	3	General Psychology . . . . . 3
Intro. to Social Sciences . . . . .	3	Intro. to Sociology . . . . . 3
Personal Hygiene . . . . .	1	Personal Hygiene . . . . . 1
	<u>18</u>	<u>18</u>
Physical Education . . . . .	2	Physical Education . . . . . 2

*Note:* One credit is granted for either (a) one lecture period per week per term. or (b) three hours of laboratory work per week per term.

**Second Year**

English . . . . .	3	English . . . . . 3
Anatomy and Physiology . . . . .	3	Anatomy and Physiology . . . . . 3
Economics . . . . .	3	Public Health . . . . . 3
Child Psychology . . . . .	3	Educational Psychology . . . . . 3
Principles of Sociology . . . . .	3	Principles of Sociology . . . . . 3
Intro. to Social Work . . . . .	1	Social Case Work . . . . . 1
	<u>16</u>	<u>16</u>

**Third Year**

English . . . . .	3	Social Case Work . . . . . 3
Social Case Work . . . . .	3	Philosophy . . . . . 3
Mental Hygiene . . . . .	2	Practice . . . . . 12
Social Pathology . . . . .	3	
Practice . . . . .	4	
	<u>15</u>	<u>15</u>

*Note:* *Physical Education* (two hours per week) is required for all first year students. In the second and following years all students are expected to take part in the arranged programme of games and athletics.

*Japanese* is offered regularly as an elective course of two hours per week.

Women students are required to spend an average of thirty minutes daily in supervised training in projects related to cooperative living: e.g. gardening and household tasks in the dormitory such as laundering, food preparation, cleaning etc.,

**MEDICAL SOCIAL CASE WORK  
FEES AND DEPOSITS**

**First Year**

Excluding the cost of books, etc., and returnable deposits, the first year's expenses amount to approximately \$212. Fees and Deposits, payable in local currency, are as follows:

<b>Fees</b>	Tuition . . . . .	per term	\$30.00
	Laboratory: Biology . . . . .	" "	5.00
	Library . . . . .	" "	3.00
	Athletics . . . . .	" "	2.00
	Medical Attention . . . . .	" "	2.00
	Dormitory . . . . .	" "	14.00
	Board . . . . .	" "	approx. 50.00
	<b>Total</b> . . . . .	" "	<b>106.00</b>

**Deposits**

General . . . . .	10.00
(payable on receipt of Notice of Acceptance)	
Laboratory Breakage . . . . .	10.00
(payable at the beginning of the first term)	
Key ( " " " " " " " ) . . . . .	2.00

**Special Fees**

Late Registration . . . . .	per day	1.00
(maximum \$3.00)		
Make-up Examination . . . . .	per subject	2.00

**Second Year**

Second year students pay the same fees as in the First year, with the exception of the Laboratory Fee. Fees for the year amount to approximately \$202.00. No Laboratory Breakage Deposit is paid.

**Third Year**

Third year fees include only Medical Attention, Dormitory and Board, with the addition of the Graduation Fee of \$3.00 which is payable at the beginning of the second term. The total amount is approximately \$135.00. The Key Deposit is also payable this year.

**SOIL SCIENCE AND AGRICULTURAL SANITATION  
THREE YEAR CURRICULUM**

**First Year**

<i>First Term</i>		<i>Second Term</i>	
	<i>Credits</i>		<i>Credits</i>
Chinese . . . . .	3	Chinese . . . . .	3
English . . . . .	3	English . . . . .	3
Mathematics . . . . .	2	Elem. Math Statistics . . . . .	2
General Biology . . . . .	3	General Biology . . . . .	3
General Physics . . . . .	3	General Physics . . . . .	3
General Chemistry . . . . .	4	Analytical Chemistry . . . . .	4
Personal Hygiene . . . . .	1	Personal Hygiene . . . . .	1
	<u>19</u>		<u>19</u>
Physical Education . . . . .	2	Physical Education . . . . .	2

*Note:* One credit is granted for either (a) one lecture period per week per term. or (b) three hours of laboratory work per week per term.

**Second Year**

English . . . . .	3	English . . . . .	3
Invertebrate Zoology and Parasitology . . . . .	5	Agriculture 1 . . . . .	4
Geology . . . . .	3	Pedology 1 . . . . .	3
General Microbiology . . . . .	5	Geology . . . . .	3
Organic Chemistry . . . . .	2	Public Health . . . . .	3
	<u>18</u>	Popular Education and Extension Methods . . . . .	2
			<u>18</u>

**Summer**

Practical Work with Plants.

**Third Year**

English Journals . . . . .	2	English Journals . . . . .	2
Agriculture 2 . . . . .	3	Agriculture 3 . . . . .	3
Pedology 2 . . . . .	7	Pedology 3 . . . . .	7
Economics . . . . .	3	Intro. to Sociology . . . . .	3
Agricultural Sanitation . . . . .	2	Agricultural Sanitation . . . . .	2
	<u>17</u>		<u>17</u>

*Note:* *Physical Education* (two hours per week) is required for all first year students. In the second and following years all students are expected to take part in the arranged programme of games and athletics.

*Japanese* is offered regularly as an elective course of two hours per week.

Women students are required to spend an average of thirty minutes daily in supervised training in projects related to cooperative living: e.g. gardening and household tasks in the dormitory such as laundering, food preparation, cleaning etc.

### SOIL SCIENCE AND AGRICULTURAL SANITATION FEES AND DEPOSITS

#### First Year

Excluding the cost of books, etc., and returnable deposits, the first year's expenses amount to approximately \$242.00.

Fees and Deposits, payable in local currency, are as follows:

<b>Fees</b>	Tuition . . . . .	per term	\$30 00
	Laboratory: Chemistry . . . . .	" "	10 00
	Biology . . . . .	" "	5 00
	Physics . . . . .	" "	5 00
	Library . . . . .	" "	3 00
	Athletics . . . . .	" "	2 00
	Medical Attention . . . . .	" "	2 00
	Dormitory . . . . .	" "	14 00
	Board . . . . .	" "	approx 50 00
	<b>Total</b>	" "	<b>121.00</b>

#### Deposits

General . . . . .	10 00
(payable on receipt of Notice of Acceptance)	
Laboratory Breakage . . . . .	10.00
(payable at the beginning of the first term)	
Key ( " " " " " " " " ) . . . . .	2.00

#### Special Fees

Late Registration . . . . .	per day	1.00
(maximum \$3.00)		
Make-up Examination . . . . .	per subject	2.00

#### Second Year

Second year fees amount to approximately \$237.00. In detail they are the same as those payable in the first year, except for the Laboratory Fees which are as follows:—

General Microbiology . . . . .	first term .	\$10 00
Zoology and Parasitology . . . . .	" "	10 00
Geology . . . . .	per term .	5 00
Agriculture 1 . . . . .	second term	5.00

#### Summer

No fees are payable for the Practical Work in the summer of this year, except those for Board and Dormitory.

#### Third Year

Third year fees amount to approximately \$245.00. They differ from first year fees in the following two respects:—

Laboratory: Pedology . . . . .	per term	\$20 00
Graduation Fee . . . . .	second term	3.00

### RURAL SERVICE THREE YEAR CURRICULUM

	<i>First Term</i>	<i>Credits</i>	<i>Second Term</i>	<i>Credits</i>
<b>First Year (All Divisions)</b>				
Chinese . . . . .	3		Chinese . . . . .	3
English . . . . .	3		English . . . . .	3
Mathematics . . . . .	2		Elem. Math. Statistics . . . . .	2
General Biology . . . . .	3		General Biology . . . . .	3
Applied Chemistry . . . . .	3		Applied Chemistry . . . . .	3
General Psychology . . . . .	3		History . . . . .	3
Personal Hygiene . . . . .	1		Personal Hygiene . . . . .	1
	<u>18</u>			<u>18</u>
Physical Education . . . . .	2		Physical Education . . . . .	2
<i>Note: One credit is granted for either (a) one lecture period per week per term. or (b) three hours of laboratory work per week per term.</i>				
<b>Second Year (All Divisions except Home Economics)</b>				
Chinese . . . . .	2		Chinese . . . . .	2
English . . . . .	2		English . . . . .	2
Economics . . . . .	3		Intro. to Sociology . . . . .	3
Applied Physics . . . . .	2		Public Health . . . . .	3
General Microbiology . . . . .	5		Agriculture 1 . . . . .	4
Theory of Rural Reconstruction . . . . .	3		Economic Entomology . . . . .	3
Practical Work . . . . .	2		Practical Work . . . . .	2
	<u>19</u>			<u>19</u>
<b>Third Year (Extension Division)</b>				
English . . . . .	2		English . . . . .	2
Educational Methods . . . . .	3		Extension Methods . . . . .	3
Social Surveys . . . . .	3		More Advanced Sociology . . . . .	3
Rural Problems Seminar . . . . .	2		Rural Problems Seminar . . . . .	2
Visual Education . . . . .	2		Visual Education . . . . .	2
Practical Work . . . . .	4		Practical Work . . . . .	4
Home Economics . . . . .	2		Elective . . . . .	2
	<u>18</u>			<u>18</u>

<i>First Term</i>		<i>Second Term</i>	
	<i>Credits</i>		<i>Credits</i>
<b>Third Year (Mass Education Division)</b>			
English . . . . .	2	English . . . . .	2
Principles of Education	3	Teaching Methods . . . . .	3
Educational Psychology	2	Visual Education . . . . .	2
Rural Problems Seminar	2	Rural Problems Seminar	2
Social Surveys . . . . .	3	Extension Methods . . . . .	3
Practical Work . . . . .	4	Practical Work . . . . .	4
Recreation . . . . .	2	Elective . . . . .	2
	<u>18</u>		<u>18</u>
<b>Third Year (Livelihood Division)</b>			
English . . . . .	2	English . . . . .	2
Educational Methods	3	Extension Methods . . . . .	3
Rural Problems Seminar	2	Rural Problems Seminar	2
Agronomy . . . . .	3	Horticulture . . . . .	3
Village Industries . . . . .	3	Nutrition . . . . .	3
Animal Husbandry . . . . .	2	Poultry Raising . . . . .	2
Practical Work . . . . .	4	Practical Work . . . . .	4
	<u>19</u>		<u>19</u>
<b>Third Year (Cooperatives Division)</b>			
English . . . . .	2	English . . . . .	2
Educational Methods	3	Extension Methods . . . . .	3
Rural Problems Seminar	2	Rural Problems Seminar	2
Cooperative Organisations	3	Cooperative Organisations	3
Book-keeping . . . . .	2	Economic Surveys . . . . .	2
Practical Work . . . . .	4	Practical Work . . . . .	4
Markets . . . . .	2	Elective . . . . .	2
	<u>18</u>		<u>18</u>
<b>Third Year (Health Division)</b>			
English . . . . .	2	English . . . . .	2
Educational Methods	3	Extension Methods . . . . .	3
Rural Problems Seminar	2	Rural Problems Seminar	2
Social Surveys . . . . .	3	Visual Education . . . . .	2
Public Health Problems	3	Public Health Problems	3
Agricultural Sanitation	2	Nutrition . . . . .	3
Practical Work . . . . .	4	Practical Work . . . . .	4
	<u>19</u>		<u>19</u>

<i>First Term</i>		<i>Second Term</i>	
	<i>Credits</i>		<i>Credits</i>
<b>Second Year (Home Economics Division)</b>			
Chinese . . . . .	2	Chinese . . . . .	2
English . . . . .	2	English . . . . .	2
Organic Chemistry . . . . .	2	Public Health . . . . .	3
General Microbiology	5	Agriculture 1 . . . . .	4
Economics . . . . .	3	Intro. to Sociology . . . . .	3
Theory of Rural Reconstruction . . . . .	3	Clothing . . . . .	3
	<u>17</u>		<u>17</u>
<b>Third Year (Home Economics Division)</b>			
English . . . . .	2	English . . . . .	2
Rural Problems Seminar	2	Rural Problems Seminar	2
Educational Methods	3	Extension Methods . . . . .	3
Nutrition . . . . .	5	Foods and Cookery . . . . .	3
Home Care of the Sick	2	Problems of the Home Today . . . . .	2
Practical Work . . . . .	4	Practical Work . . . . .	4
	<u>18</u>	Elective . . . . .	2
			<u>18</u>

*Note: Physical Education* (two hours per week) is required for all first year students. In the second and following years all students are expected to take part in the arranged programme of games and athletics.

*Japanese* is offered regularly as an elective course of two hours per week.

Women students are required to spend an average of thirty minutes daily in supervised training in projects related to cooperative living: e.g. gardening and household tasks in the dormitory such as laundering, food preparation, cleaning etc.



**RURAL SERVICE  
FEES AND DEPOSITS**

**First Year**

Excluding the cost of books, etc., and returnable deposits, the first year's expenses amount to approximately \$222.00. Fees and Deposits, payable in local currency, are as follows:

<b>Fees</b>	Tuition . . . . .	per term	\$80 00
	Laboratory: Chemistry . . . . .	" "	5.00
	Biology . . . . .	" "	5.00
	Library . . . . .	" "	3.00
	Athletics . . . . .	" "	2.00
	Medical Attention . . . . .	" "	2.00
	Dormitory . . . . .	" "	14 00
	Board . . . . .	" " approx.	50.00
	<b>Total</b> . . . . .		<b>111.00</b>

**Deposits**

General . . . . .	10.00
(payable on receipt of Notice of Acceptance)	
Laboratory Breakage . . . . .	10.00
(payable at the beginning of the first term)	
Key ( " " " " " " " " ) . . . . .	2.00

**Special Fees**

Late Registration . . . . .	per day	1.00
(maximum \$3.00)		
Make-up Examination . . . . .	per subject	2.00

**Second Year**

Second year fees amount to approximately \$222.00 for all Divisions of the Course except Home Economics. For this the total is \$217. Second year Laboratory Fees are as follows:

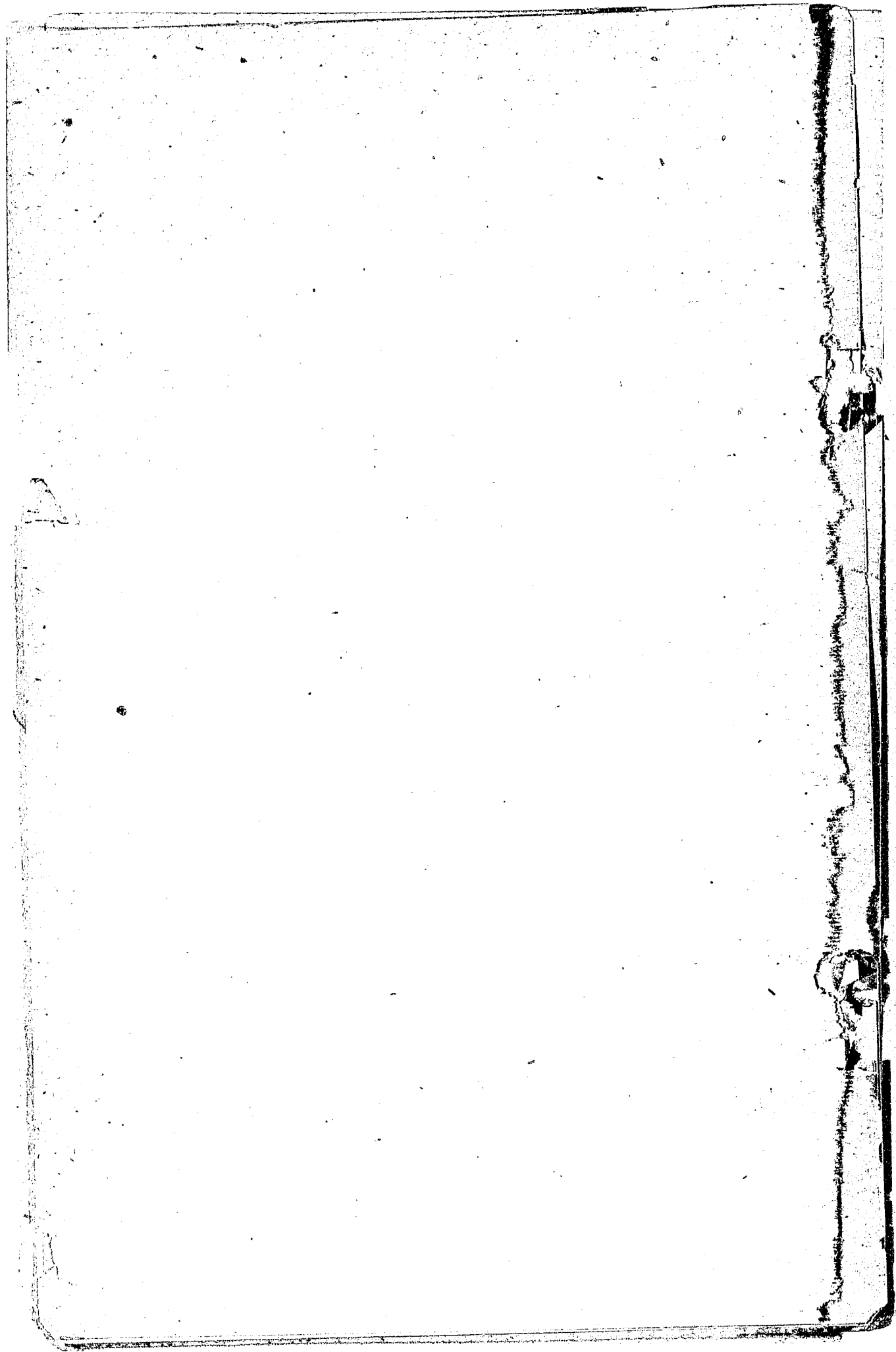
General Microbiology . . . . .	first term	\$10 00
Agriculture 1 . . . . .	second term	5 00
Entomology . . . . .	" "	5.00
(not Home Economics Division)		

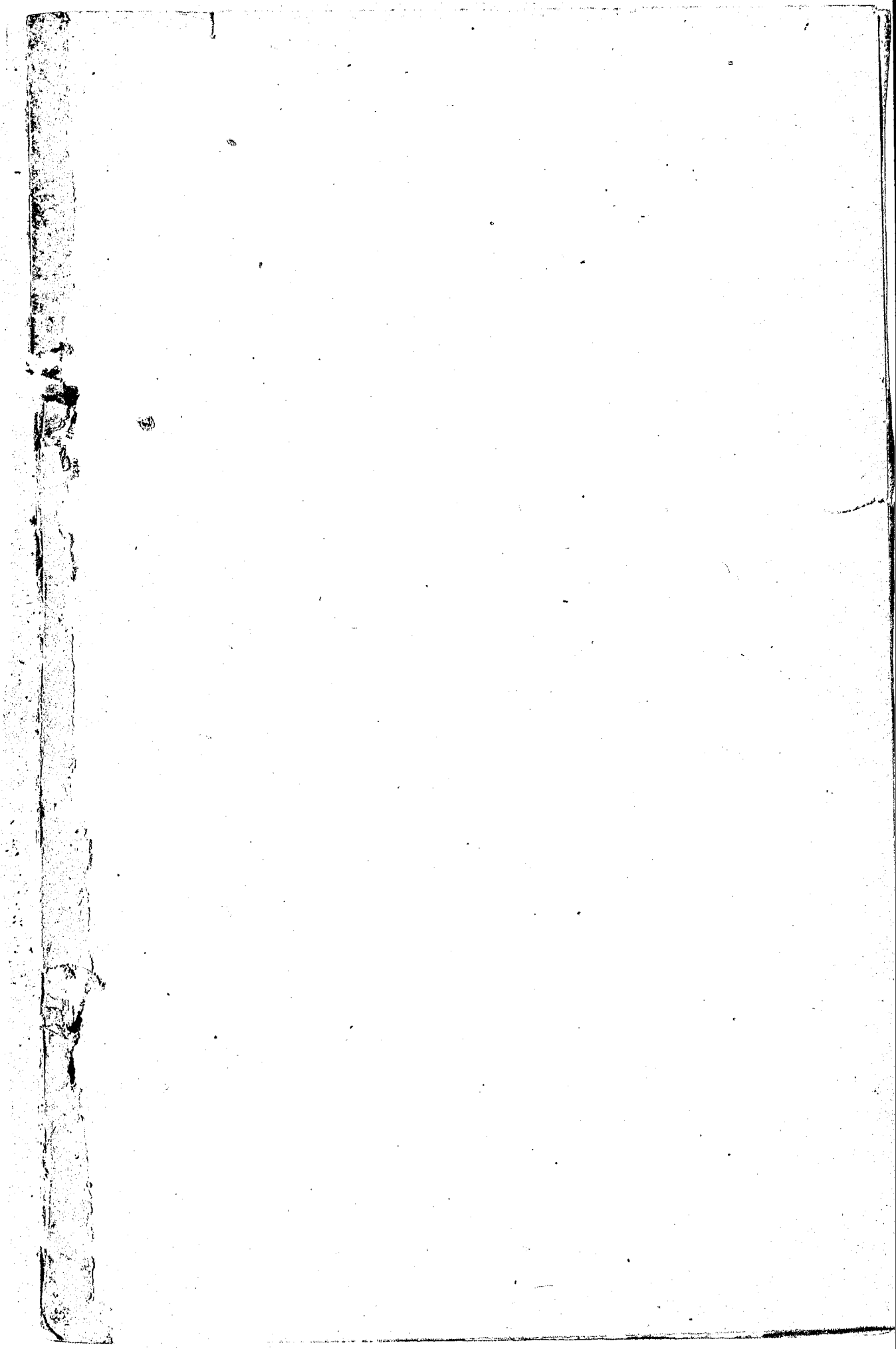
**Third Year**

A Graduation Fee of \$3 00 is payable at the beginning of the second term of this year. Excluding Laboratory and Practical Work Fees (listed below), the third year fees amount to approximately \$205.00.

**Laboratory and Practical Work Fees:**

Livelihood Division . . . . .	per term	\$10.00
Home Economics Division . . . . .	" "	10.00
Other Divisions . . . . .	" "	5.00





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## CHEELOO UNIVERSITY

TSINAN

### SPECIAL COURSES 1940

The following paragraphs summarise the six Special Courses offered by Cheeloo University. A general entrance requirement for all Courses is graduation from a recognised senior middle school.

The Chinese language is the main medium of instruction in each Course. The use of English textbooks and reference books is in some cases necessary, however, and English is therefore a required subject in the Entrance Examination and in the curriculum.

#### **NURSING** (four years)

In 1939 the University School of Nursing took advantage of the newly organised group of Special Courses to give its students the benefit of a full year of pre-nursing studies. This results in the Nursing Course being six months longer than hitherto.

Women of nineteen years of age or over, who hold senior middle school certificates, are eligible as candidates for admission.

The first, or pre-nursing year gives students a background of the fundamental sciences so that they may more fully understand the scientific side of nursing. Those who themselves have been nursing students or instructors are very conscious of this lack in the education formerly given to nurses. The allocation of a full year to pre-nursing studies also gives opportunity for the students to reach greater mental and physical maturity before entering upon the arduous training in hospital.

The last three years of the Nursing Course are devoted to practical work in the University Hospital, with a programme of instruction as detailed in the curriculum. No fees are payable in these years.

The best nurses are not necessarily those who are most brilliant either on the academic or the practical side of life. A good nurse needs to have all-round talents combined with a sound character and a healthy body. It is on these lines that the Admissions Committee makes its selection from applicants.

Those who successfully complete the Course receive the Cheeloo Nursing Diploma, and may sit for the National Nursing Certificate. With the better foundation which the longer Course provides, the graduates should be able to take greater responsibility in the wards and in the administrative work of hospitals. The experience of the Nursing School reveals that this is the present need of the Chinese nursing profession.

In order to help defray the expenses of students with less ample means, the University Hospital offers a number of bursaries for promising students in the second half of the pre-nursing year.

#### **HOSPITAL LABORATORY TECHNIQUE (three years)**

This Course is designed to give a thorough grounding in the basic technical procedures used in the laboratory diagnosis of disease. Sufficient theoretical knowledge is taught to enable the student to understand the methods employed and to interpret the results.

The Course is an extension of the original one-year course offered up to the end of 1936. In the revised course, now extending over three years, a more adequate training in the fundamental sciences is given in the first year to enable the student to pass more readily to the second year of applied science and technology. The final year consists of technical practice in all the routine laboratory procedures, together with a strictly limited amount of advanced study. No tuition fees are payable in this year.

Graduates of the Course will receive the Cheeloo Diploma. They should be able to fill a real need for well-qualified and skilful technical assistants in hospitals, besides becoming technicians whose knowledge of fundamentals is such that they can easily keep abreast of the yearly advance in laboratory diagnosis.

#### **PHARMACY (two years)**

After a lapse of three years the Pharmacy Course re-opens in September 1940. The Course as designed to train students in the principles and practice of Pharmacy so as to equip them to take charge of hospital dispensaries, to enter business firms, or engage in other pharmaceutical work.

The Cheeloo Diploma in Pharmacy is awarded to students on graduation.

#### **MEDICAL SOCIAL CASE WORK (three years)**

Until the opening of this Course in 1939, Social Case Work, now recognised as a profession, had no schools in North China training recruits for its ranks. The University Hospital had hitherto given a year of supervised practice to college graduates before recognising them as regular social case workers.

The first two years of the present Course are devoted to studies providing a general foundation in theory, with a small amount of practice. The final year is given very largely to supervised practical work in connection with the University Hospital's Social Service Department. No tuition fees are payable in this year.

Students successfully completing the Course are awarded the Cheeloo Diploma in Medical Social Case Work. They will be qualified to become junior workers in an organised Hospital Social Service Department or to take a position as case worker in a smaller hospital where there is no organised department.

#### **SOIL SCIENCE AND AGRICULTURAL SANITATION (three years)**

Two of the basic needs of China are improved agriculture and environmental sanitation. The curriculum of this Course gives three years of practical training with a sound scientific foundation in methods of solving the problem of environmental sanitation and in advancing agriculture through the improved use of fertilisers. In the final year considerable time is given to laboratory work in soil analysis.

On graduation from this Course students will receive the Cheeloo Diploma in Soil Science and Agricultural Sanitation. They should be capable of serving as competent soil analysts or of doing for China what the sanitary engineer does in other countries.

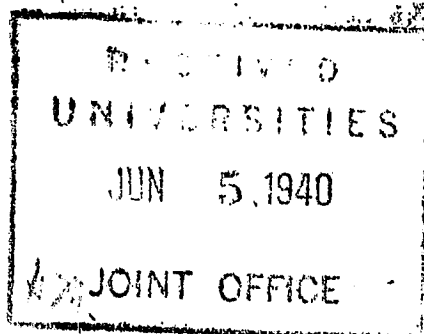
#### **RURAL SERVICE (three years)**

On the control of the disintegrating forces created by poverty, ignorance, disease, and the like among the rural population and on the rebuilding of rural society hangs the future of the area which this University seeks particularly to serve. The serious situation is growing steadily worse among a large proportion of the population. This Course has been planned to train leaders to help meet the needs of the hour.

Students entering this Course should, along with scholastic ability, possess qualities of leadership and a real desire to serve. The Course is primarily practical throughout. It will provide students with natural sciences enabling them to interpret nature to country folk, human sciences for the understanding of human behaviour and society, and a study of the problems of rural service and practice in their solution. The project method will be used extensively throughout the Course and particularly in the third year.

On the completion of the first year of general foundation studies, students will be required to choose which of the Course Divisions they wish to enter. These Divisions are Extension, Mass Education, Livelihood, Cooperatives, Health, and Home Economics. All except the last have a common curriculum in the second year, but different emphases in the third year programme.

Students successfully completing the Course will be awarded the Cheeloo Rural Service Diploma. They should be prepared to give leadership in Church rural service programmes, such as might be initiated in a rural parish or similar organisation, or in any other public or private organisations promoting such programmes.



齊魯大學

CHEELOO UNIVERSITY

TSINAN, SHANTUNG

CHINA COLLEGES  
150 FIFTH AVENUE  
NEW YORK 11, N. Y.

SPECIAL COURSES

1941-42

CHINA COLLEGES  
150 FIFTH AVENUE  
NEW YORK 11, N. Y.

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UNIVERSITIES  
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University Bulletin No. 105.





CHEELOO UNIVERSITY  
TSINAN

CATALOGUE  
OF  
SPECIAL COURSES  
1941—42

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NURSING  
HOSPITAL LABORATORY TECHNIQUE  
PREMEDICAL SCIENCES  
PHARMACY  
SOCIAL CASE WORK  
RURAL SERVICE  
SOIL SCIENCE AND AGRICULTURAL SANITATION

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University Bulletin No. 105.

April 1941

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## University Calendar 1941-42

1941

June 25		Last day for applications for Special Courses Entrance Examination
July 14, 15	Mon. Tues.	Special Courses Entrance Examination
Sept. 9	Tues.	Autumn Term begins. Freshmen report arrival
Sept. 10-13	Wed-Sat.	Freshmen Week
Sept. 12-13	Fri, Sat.	Registration and Payment of Fees
Sept. 15	Mon.	Autumn Term Classes begin
Oct. 10	Fri	National Holiday
Dec. 24, 25	Wed, Thur.	Christmas Holiday

1942

Jan. 1-3	Thur-Sat.	New Year Holiday
Jan. 15-23		Autumn Term Examination
Jan. 24	Sat.	Autumn Term ends
Feb. 23	Mon.	Spring Term begins
Feb. 23, 24	Mon, Tues.	Registration and Payment of Fees
Feb. 25	Wed.	Spring Term Classes begin
Apr. 20-25	Mon-Sat.	Spring Holiday
June 12-20		Spring Term Examinations
June 21	Sun.	Baccalaureate Sermon
June 22	Mon.	Commencement
		Spring Term ends

Other holidays, if any, will be announced by the Associate President's Office as occasion arises.

Administrative Officers

賴恩源	Howell P. Lair S.T.M., D.D.	Associate President
施爾德	Randolph T. Shields, B.A.M.D.	Dean of Medicine
楊道林	Yang Dao-lin, Ph. D.	Dean of Men Students
貴淑英	Kathleen F. Greaves,	Dean of Women Students
賴恩源	Howell P. Lair, S.T.M., D.D.	Treasurer
杜儒文	R. Gordon Struthers, M.D.	Hospital Superintendent
安美麗	Marjorie Alderson, S.R.N., S.R.M., R.C.N.	Director of Nursing Service
斐禮伯	Edward L. Phillips, B.A.	Registrar
胡延鈞	Hu Yen-Chün B.A.	Librarian
丁爾泰	R.H.P. Dart	Hospital Business Manager,
劉鴻業	Liu Hung-Yeh, B.A.	Assistant Business Manager
孟克廉	Kenneth McAll, M.B., Ch. B.	Public Health Officer
孟夫人	Frances M. McAll, M.B., Ch. B.	Asst. Public Health Officer
單路得	Ruth Danner, R.N.	Exec. Sec. Public Health & Welfare Committee
范銘德	Donald K. Faris, B.A.	Director Rural Institute
溫福立	Gerald F. Winfield, Sc. D.	Director Agricultural Sanitation Research Division
張惜辰	Shilton Chang B.A.	Assistant Treasurer
徐文奎	Hsü Wen-K'uei	Assistant Registrar
司美德	Maida Morton Smith	Secretary to Associate President
刁瑞義	Tiao Jui-I	Secretary to Associate President

Officers of Special Courses

梅理堅	Geneva E. Miller, B.A., R.N., M.S.	Director of Nursing Education
于復新	Yü Fu-Hsin	Chairman Hospital Laboratory Technique Course
楊道林	Yang Dao-lin, Ph. D.	Chairman Pre-Medical Sciences Special Class
裴偉廉	William P. Pailing B.D., M.P.S., Ph. C.	Chairman Pharmacy Course

麥爾士	Hazel H. Myers A.B.	Chairman Social Case Work Course
溫福立	Gerald F. Winfield, Sc. D.	Chairman Soil Science and Agricultural Sanitation Course
范銘德	Donald K. Faris, B.A.	Chairman Rural Service Course
斐禮伯	Edward L. Phillips B.A.	Director of Studies

TEACHING STAFF

安美麗	Marjorie Alderson, S.R.N., S.R.M., R.C.N.	Nursing
貝美芳	Rosa Bell, R.N.	Dietetics
步樂陸	Clifford V. Bloom, B.A., M.B., B.S.	Anatomy
陳德亮	*Horace E. Chandler, B.Sc., S.T.M.	Physics
張立志	Chang Li-Chih M.A.	History
趙常林	Chao Ch'ang-Lin, M.D.	Surgery
趙修復	Chao Hsiu-Fu, B.S.	Biology
趙錕	Chao K'un, N.A.C.	Nursing
程廷芳	Ch'eng T'ing-Fang, B.Sc.	Astronomy, Physics
周光普	Chou Kuang-P'u, M.S.	Soil Science
鐘士毅	Chung Shih-Yi	Japanese
克愛華	Albert E. Clayton, L.T.H.	English
單路得	Ruth Danner, R.N.	Public Health
葉鳳英	E. Florence Evans, B.A., R.N.	English
范迪瑞	Fan Ti-Jui, B.A.	Sociology
房精粹	Grace Fang, B.A.	Psychology, Religion
范銘德	Donald K. Faris, B.A.	Rural Service
葛格菲	L. Godfrey Gale, M.B., Ch. B.	Otolaryngology
高愛瑞	Arabella S. Gault, B.A., M.D.	Laboratory Technique
蓋美瑞	Mary P. Gell, M.B., Ch.B.	Obstetrics, Gynecology
貴淑英	Kathleen F. Greaves	English, Religion
奚夫人	+Edith W. Heeren	English
管純武	Kuan Ch'un-Wu, B.S.	Biology
龔泉生	Kung Ch'uan-Sheng, N.A.C.	Nursing
郭一崙	Kuo Lun, B.A.	Physical Education
賴恩源	Howell P. Lair, S.T.M., D.D.	Religion
李寶珍	Li Pao-Chen, N.A.C.	Nursing
梁昌民	Liang Ch'ang-Min, B.A., M.S.	Economics, Sociology

劉國華	Liu Kuo-Hua	<i>Pharmacy</i>
樂調甫	Luan T'iao-Fu	<i>Chinese</i>
梅理堅	Geneva E. Miller, B.A., R.N., M.S.	<i>Nursing</i>
馬珠麗	*Julia Morgan, M.A., M.D.	<i>Medicine</i>
麥爾士	Hazel H. Myers, A.B.	<i>Social Case Work</i>
裴偉廉	William P. Pailing, B.D., M.P.S., Ph.C.	<i>Pharmacy</i>
斐禮伯	Edward L. Phillips, B.A. Hons.	<i>Mathematics,</i> <i>Astronomy</i>
		<i>Home Economics,</i> <i>Nutrition</i>
任清玉	Mary K. Russell, M.S.	<i>Pediatrics</i>
		<i>Geology, Soil Science</i>
史安納	†Annie V. Scott, B.S., M.D.	<i>Anatomy, Physiology</i>
司克德	James C. Scott, M.A., B.Sc. Hons.	<i>Pediatrics</i>
施爾德	Randolph T. Shields, B.A., M.D.	<i>Medicine</i>
石雪筠	Shih Hsueh-Chün, M.B.	<i>Medicine</i>
司美禮	H. Jocelyn Smyly, M.A., M.D., B.Ch., B.A.O., F.R.C.S.	<i>Home Economics</i>
		<i>Agriculture</i>
孫銘廉	Sun Ming-Lien, M.D.	<i>Clinical Chemistry</i>
孫素錦	Sun Su-Chin, B.S.	<i>Chemistry</i>
孫崇信	Sun Tsong-Hsin, B.S.	<i>Chinese</i>
田君藩	T'ien Chün-Fan,	<i>Nursing</i>
王明德	Wang Ming-Te, B.Sc.	<i>Biology, Agricultural</i>
王敦化	Wang Tun-Hua, B.A.	<i>Sanitation</i>
宋芳溪	†Frances R. Wilson, B.A., R.N.	<i>Nutrition</i>
溫福立	Gerald F. Winfield, Sc.D.	<i>Chemistry</i>
		<i>Horticulture</i>
張羅以	*Lois Witham, Sc.D.	<i>Dermatology</i>
楊道林	Yang Dao-Lin, Ph.D.	<i>Bacteriology</i>
閻克烈	Yen K'e-Lieh	
尤家駿	Yew Chia-Chün, M.D.	
于復新	Yü Fu-Hsin	

\*on furlough 1941—42  
†on furlough 1940—41

### ENTRANCE REGULATIONS

**ADMISSION.** With the two exceptions mentioned, all the Special Courses will admit new students in September 1941. The Pharmacy Course and the Social Case Work Course will admit their next classes in September 1942.

Graduates of recognised Senior Middle Schools are eligible as candidates for admission to any of the Special Courses except Nursing. Nursing Course candidates must, in addition, be women, over the age of eighteen. Men candidates only are admitted to the Soil Science and Agricultural Sanitation Course. Admission is dependent on the successful passing of the Entrance Examination.

**APPLICATION FOR ENTRANCE.** Intending candidates for admission to any of the Special Courses should apply to the Registrar for the necessary application forms. The following points in the application procedure should be noted carefully:—

- (1) **Application Form.** This is to be filled in by the candidate. The Special Course to which the candidate wishes to be admitted, and the Centre at which he or she wishes to sit the Examination should be clearly indicated.
- (2) **Medical Certificate.** This must be filled in and signed by a qualified physician.
- (3) **Certificate of Scholastic Grade and Moral Character.** This certificate is to be completed and signed by the principal of the candidate's middle school.
- (4) **Senior Middle School Graduation Certificate.**
- (5) **Photographs of Candidate.** Four two-inch photographs (head and shoulders) of the candidate are required, one of them attached to the Application Form. These are to be certified by the candidate's middle school principal.
- (6) **Application Fee.** This is three dollars.

(1), (2), (5), (6) above should be sent to the Registrar so as to arrive not later than the date given in the University Calendar. On receipt of these in good order, the Registrar will issue an Examination

Pass which must be shown by the candidate at his or her Examination Centre. Under no circumstances will the above documents or fee be returned to the candidate.

Certificates (3) and (4) above should be sent to the Registrar as soon as possible after the candidate has completed his or her middle school course.

**ENTRANCE EXAMINATION DATE.** One Entrance Examination for the Special Courses will be held this year. This will be in July. For exact date see the University Calendar.

**EXAMINATION CENTRES.** Tsinan, Tsingtao, Peking, Tientsin, Changli, Tongshan, Shanghai.

Details of the exact place and hour of the Examination will be sent to each candidate with his or her Examination Pass. This Pass must be taken by the candidate to the Examination Centre, otherwise he or she will not be admitted to the examination.

Women candidates, who intend to sit the Entrance Examination in Tsinan and who wish the University to make arrangements for their accommodation for the period of the examination, should inform the Registrar when making application for entrance. Men candidates are responsible for their own arrangements.

#### EXAMINATION SYLLABUS

Candidates for Nursing and Rural Service Courses are required to take the following papers.

1. Chinese
2. English
3. Mathematics A. (Geometry, Algebra, Trigonometry).
4. General Science.

Candidates for the Social Case Work Course are required to take the following papers:

1. Chinese
2. English
3. Mathematics B. (Geometry, Algebra, Trigonometry, Coordinate Geometry)
4. General Science.

Candidates for the Hospital Laboratory Technique, Pre-Medical Sciences, Pharmacy, and Soil Science and Agricultural Sanitation Courses are required to take the following papers:—

1. Chinese
2. English
3. Mathematics B. (Geometry, Algebra, Trigonometry, Coordinate Geometry)
4. Chemistry.

#### EXAMINATION RULES.

Except in the Chinese and English papers, the examination questions will be given in both Chinese and English.

Except in the English paper, candidates should write their papers in Chinese. The English form of technical terms may be added if desired.

Detailed regulations will be sent to each candidate with the Examination Pass.

**ACCEPTANCE OF CANDIDATES** All candidates, whether accepted or not, will be notified by letter. No candidate can be finally accepted until his or her Certificate of Scholastic Grade and Moral Character has been received.

On receipt of the Notice of Acceptance, each successful candidate should send to the Registrar, by registered post, his or her General Deposit of twenty dollars. A Certificate of Admission will then be issued by the University. If this Deposit is not paid before the date specified on the Notice of Acceptance, the candidate's standing as an accepted student will be cancelled.

**GUARANTORS' CERTIFICATE.** The Registrar will send a blank form for the Guarantors' Certificate to each admitted candidate. This form should be filled in by two guarantors of good standing, one of whom must be a Tsinan resident not on the University staff. The Certificate is to be presented at the University on arrival at the beginning of term.

### INFORMATION FOR NEW STUDENTS.

1. New students should report at the Registrar's Office on the date indicated in the Calendar. Each should bring his or her Certificate of Admission and Guarantors' Certificate.
2. For purposes of record, each student is required to have a Medical Examination at the University before he or she registers. No fee is payable for this on the dates announced by the University. At other times a fee of one dollar is charged.
3. Students should register and pay fees on the dates announced in the University Calendar. The University Medical Certificate must be presented on registering.
4. Any student registering late must pay an additional fee of one dollar per day up to a maximum of three dollars. Registration more than three days late is allowed only on the approval of the Director of Studies, and a late registration fee of three dollars must be paid. No student will be allowed to register later than fifteen days after the announced date for registration.
5. Detailed announcements regarding registration and payment of fees procedure will be made on the University notice boards.
6. Any student found to have falsified his or her application forms or other documents will be dismissed immediately.

### ACADEMIC REGULATIONS

**Graduation** A student who satisfactorily completes the prescribed curriculum, theoretical and practical, of a Special Course will receive the Cheeloo Diploma for that Course.

#### Medium of Instruction

The Chinese language is the main medium of instruction in all Courses.

**Scholarship Grades** (a) These are indicated by percentages.

90—100%	Excellent
80—89	Good
70—79	Satisfactory
60—69	Pass, but rather poor.
below 60	Fail

N.B. These standards apply to all years of each Special Course with the exception of the Second, Third, and Fourth Years of the Nursing Course. These conform with the regulations of the Nursing Association of China, and the passing grade is accordingly 70%.

- (b) 'Inc' indicates that, with the permission of the Director of Studies and the Registrar, either the term work or examinations have not yet been completed. In this case, subject to the approval of the Director of Studies and the Registrar, the course in question may be completed later and a grade awarded. Otherwise the grade zero shall be given.
- (c) A student who obtains a grade of less than 60% in any course is required either to sit a Make-up Examination or to repeat the course. This will be decided by the Promotion Committee concerned at the end of the current term.
- (d) A Make-up Examination may be taken not less than two months and not more than one year after the completion of the course concerned. The grade given for a pass in a Make-up Examination shall not exceed 65%.

A student who wishes to sit a Make-up Examination on a date other than that announced by the University shall pay a Make-up Examination Fee of \$2.00. Otherwise no fee shall be paid



- (e) If, in any one term, a student fails in a number of courses with a total of eight or more credits, no Make-up Examination shall be permitted, and the courses concerned shall be repeated.

#### Year Courses

- (a) In the case of year courses, the final examination in June shall cover the whole year's work.
- (b) In the case of year courses, should the second term's work not be completed, the first term's credits shall, save in exceptional circumstances, be cancelled.

#### Merit Points and Grade Ratio

- (a) A student's scholarship standing each term is determined in part by a system of Merit Points and Grade Ratio.

One credit with grade 90—100	receives merit point	2.0
80— 89		1.5
70— 79		1.0
60— 69		0.5
50— 59		0.0
Under 50		—0.5

- (b) The Grade Ratio of a student is computed, term by term, by dividing the total number of Merit Points by the total number of Credits studied in the term considered.

- (c) The grade of a repeated course shall be computed in the term of repetition and shall not affect the grade ratio of the term in which the student failed to pass the course.

#### Disqualification

- (a) A student who obtains in any one term the equivalent of twelve credits of grade 50—59% shall be disqualified from further attendance in his or her Course. One credit of grade below 50% shall be considered equivalent to two credits of grade 50—59%.

- (b) A student who, in his or her first or second year, obtains an average grade ratio of less than 0.80 shall be disqualified from further attendance.

### General Regulations

#### Attendance at Classes

##### 1. Leave of Absence

Leave of absence from class is granted only for adequate reasons. A student should make application beforehand to the Office of the Dean of Men (or Women) Students for a certificate of leave of absence. In special cases the approval of the Director of Studies may also be required.

On expiry of the period of leave, the certificate shall be returned to the Dean of Students.

2. If, for unavoidable reasons, a student is unable to make application in person, an explanation in writing by the student's guardian or guarantor is required.

3. In case of application for leave on account of the death or funeral of a relative, a letter or telegram from the student's family shall be required.

##### 4. Sick Leave of Absence

A student applying for leave of absence on account of sickness must present the University Public Health Officer's Recommendation for Sick Leave of Absence.

##### 5. Limit of Absence with Leave

Absence with Leave in any one term shall not exceed two weeks. In the case of sickness or bereavement this may, with special permission, be extended to three weeks. If this limit is exceeded the student shall not be permitted to take the term's final examination and must repeat the term's work.

##### 6. Absence without Leave

One hour's Unapproved Absence shall be reckoned equivalent to two hours' Approved Absence.

If, in any one term, a student be absent without leave from the classes of a given course on four occasions, his or her term grade shall be reduced by 10%. If the number of such absences exceed four, the student's grade for the term shall be a failure.

##### 7. Absence from Examination without Leave

A student shall be failed in any examination from which he or she is absent without leave.



### 8. Late Attendance

A student entering class more than ten minutes late shall be considered as absent without leave.

### Dormitory Regulations

1. Students' rooms in the Dormitories shall be allocated at the beginning of term by the Dean of Men or Women Students and the University Business Office.
2. Rooms must be kept clean and in good order. Students are expected to cooperate in maintaining a high standard of public health in the Dormitories.
3. Students are expected to avoid careless use of Dormitory furniture and fittings. Breakages should be reported immediately to the Dean. The cost of repairs or replacement shall be charged to those responsible.
4. Quiet must be observed in the Dormitories during specified hours.
5. Inflammable materials and other prohibited articles must not be kept in the bedrooms. Cooking in the bedrooms is not permitted.
6. Any case of sickness must be reported immediately to the Health Officer.
7. Overnight absence from the Dormitories is permitted only with the approval of the Deans. Permission to leave Tsinan during the day should also be obtained from the Deans.
8. Guests of the opposite sex may be received only in the Dormitory Guest Room. Hours for receiving guests are announced in the detailed regulations.
9. Residence in the Dormitories during the winter or summer vacation is permitted only in exceptional cases and with the approval of the Deans.
10. Detailed Regulations for the Men Students Dormitory and the Women Students Dormitory are placed in the hands of new students on arrival at the University. These Regulations are designed to promote an attitude of consideration for others and to educate students in cooperative living.

### Regulations for Student Organisations

1. Students wishing to hold a meeting or organise a society must first submit a statement of its aims, constitution, and programme to the University authorities for approval.
2. After any society or meeting has been organised, the names of its officers and its programme must be reported to the University authorities.
3. Every meeting of students, whether regular or occasional, must first be approved by the Dean of Students concerned.
4. Meetings may be held only outside class hours.
5. At every meeting there must be present a Staff or Faculty member, appointed by the University authorities, with power to advise and guide.
6. Every meeting, of whatever kind, must have adjourned by 10 p.m.
7. Whatever meetings are held must not be to the detriment of the students' studies.

### Religious Life

Religious activities in the University are on a voluntary basis. Students are invited to join with members of staff in morning worship from 9.00 to 9.20 a.m. each week-day except Monday, and in the Sunday morning and afternoon services in Kumler Chapel.

Study circles are organised and lecture courses offered for the benefit of students wishing to study Christianity and its relation to modern life.

Students are invited to become members of Tsinan Union Church. This Church is not a part of the University organisation. It is an association of believers in Jesus Christ and includes both Chinese and foreigners. Members are of two kinds; full members, who have joined the Tsinan Union Church on first becoming Christians; and associate members, who are members of churches elsewhere but who wish to be associated with the Tsinan Union Church while they are in Tsinan. Among the activities of Church members are the choir, Sunday Schools, and evening classes for University employees.

**NURSING  
FOUR YEAR CURRICULUM**

**First Year:**

<i>First Term</i>		<i>Second Term</i>	
	Credits		Credits
Chinese . . . . .	3	Chinese . . . . .	3
English . . . . .	3	English . . . . .	3
Maths. and Astronomy Survey . . . . .	2	Maths. and Astronomy Survey . . . . .	2
General Biology . . . . .	3	General Biology . . . . .	3
Applied Chemistry . . . . .	3	Applied Chemistry . . . . .	3
General Psychology . . . . .	3	Intro. to Sociology . . . . .	3
Religion or Social Science . . . . .	2	Religion or Social Science . . . . .	2
Personal Hygiene . . . . .	1	Personal Hygiene . . . . .	1
	<hr/>		<hr/>
	20		20
Physical Education . . . . .	2	Physical Education . . . . .	2

*Note:* One credit is granted for either (a) one lecture period per week per term. or (b) three hours of laboratory work per week per term.

**Second Year:**

History of Nursing . . . . .	15 hours
Professional Adjustments. I . . . . .	15
Drugs and Solutions . . . . .	15
Materia Medica . . . . .	35
Bacteriology . . . . .	50
Anatomy and Physiology . . . . .	70
English . . . . .	20
Surgical Nursing . . . . .	40
Medical Nursing . . . . .	50
Dietetics and Nutrition . . . . .	50
Nursing Arts and Classroom Practice . . . . .	160
Organized Instruction . . . . .	Total 520 hours
Supervised Nursing Experience . . . . .	Varies

**Third Year:**

Obstetrical Nursing . . . . .	40 hours
Gynecological Nursing . . . . .	10
Pediatric Nursing . . . . .	50
Dermatology and Syphilology . . . . .	15
Ear, Nose and Throat Nursing . . . . .	15
Eye Nursing . . . . .	15
Operating Room Technique . . . . .	10
Nursing Care Studies . . . . .	8
Organized Instruction . . . . .	Total 163 hours
Supervised Nursing Experience . . . . .	Varies

**Fourth Year:**

Social Problems in Nursing Service . . . . .	15 hours
First Aid . . . . .	10
Public Health Nursing . . . . .	30
Professional Adjustments II . . . . .	15
Organized Instruction . . . . .	Total 70 hours
Nursing Experience . . . . .	Varies

*Note:* *Physical Education* (two hours per week) is required for all first year students. In the second and following years all students are expected to take part in the arranged programme of games and athletics.

*Japanese* is offered regularly as an elective course of two hours per week.

First year students are required to spend an average of thirty minutes daily in supervised training in projects related to cooperative living: e.g. gardening and household tasks in the dormitory, such as laundering, food preparation, cleaning etc.,

**NURSING  
FEES AND DEPOSITS**

**First Year**

Excluding the cost of books, etc., and returnable deposits, the first year's expenses amount to approximately \$342. Fees and Deposits, payable in local currency, are as follows:

<b>Fees</b>	Tuition	per term	\$40.00
	Laboratory: Chemistry	" "	5.00
	Biology	" "	5.00
	Library	" "	3.00
	Athletics	" "	2.00
	Medical Attention	" "	2.00
	Dormitory	" "	14.00
	Board	" "	approx. 100.00
	<b>Total</b>	" "	<b>171.00</b>

**Deposits**

General	20.00
(payable on receipt of Notice of Acceptance)	
Laboratory Breakage	10.00
(payable at the beginning of the first term)	
Key ( " " " " " " " " )	2.00

**Special Fees**

Late Registration	per day	1.00
(maximum \$3.00)		
Make-up Examination	per subject	2.00

**Second, Third, and Fourth Years**

No Fees are payable during these years, with the exception of the Graduation Fee of \$3.00 at the beginning of the second term of the fourth year.

Students are required, however, to provide themselves with a reliable watch (with seconds hand), fountain pen, text-books, and first six uniforms. Replacements of uniforms will be provided by the University Hospital.

**NURSING  
HOSPITAL BURSARIES**

In order to help defray the increased expense involved in the longer Nursing Course, for the benefit of students with less ample means the University Hospital awards a maximum of fifteen Bursaries each year for the second term of pre-nursing studies.

These are

Five Bursaries of One Hundred Dollars each.  
and Ten Bursaries of Fifty Dollars each.

The Hospital will award these Bursaries to promising First Year students at the end of the Autumn Term. Entrance Examination results and Autumn Term grades will be taken into consideration.

Application should be made to the Hospital Superintendent during the Autumn Term.

### HOSPITAL LABORATORY TECHNIQUE TWO YEAR CURRICULUM

First Year			Second Term	
	<i>First Term</i>	Credits		Credits
English . . . . .		3	English . . . . .	3
General Biology . . . . .		3	General Biology . . . . .	3
Clinical Microscopy . . . . .		5	Clinical Chemistry . . . . .	4
Bacteriology . . . . .		4	Immunology and Serology . . . . .	2
			Protozoology . . . . .	2
Laboratory Practice . . . . .		2	Laboratory Practice . . . . .	2
Personal Hygiene . . . . .		1	Personal Hygiene . . . . .	1
Elective . . . . .		2	Elective . . . . .	2
		<hr/> 20		<hr/> 19
Physical Education . . . . .		2	Physical Education . . . . .	2
<b>Second Year</b>				
Invertebrate Zoology and Parasitology . . . . .		5	Histo-pathology . . . . .	3
Hospital Laboratory Practice			Hospital Laboratory Practice	
Out-patient Dept. . . . .		2	Out-patient Dept. . . . .	3
In-patient Dept. . . . .		2	In-patient Dept. . . . .	3
Serology . . . . .		3	Serology . . . . .	3
Bacteriology . . . . .		3	Bacteriology . . . . .	3
Clinical Chemistry . . . . .		3	Clinical Chemistry . . . . .	3
Elective . . . . .		2	Elective . . . . .	2
		<hr/> 20		<hr/> 20

The course consists of a twenty-four month period, which includes a two-week holiday during each year, to be assigned to the students individually by the Chairman of the Course. All the rest of the students' time during the two years is allocated either to class work or to practice work. Commencement will be held in June of the second year, in connection with graduation exercises for other Courses, but diplomas will not be given until the close of the two-year period, in September.

*Note:* First year women students are required to spend an average of thirty minutes daily in supervised training in projects related to cooperative living: e.g. gardening and household tasks in the dormitory, such as laundering, food preparation, cleaning etc.,

### HOSPITAL LABORATORY TECHNIQUE FEES AND DEPOSITS

**First Year**

Excluding the cost of books, etc., returnable deposits, and winter and summer vacation board, the first year's expenses amount to approximately \$ 385. Fees and deposits, payable in local currency, are as follows:

<b>Fees</b>	Tuition . . . . .	per term	\$ 40.00
	Laboratory: Biology . . . . .	" "	5.00
	Microscope Fee . . . . .	" "	20.00
	Chemistry . . . . .	second term	5.00
	Library . . . . .	per term	3.00
	Athletics . . . . .	" "	2.00
	Medical Attention . . . . .	" "	2.00
	Dormitory . . . . .	half year	18.00
	Board . . . . .	per term approx.	100.00
		<b>Total for year</b>	<b>385.00</b>

**Deposits**

General . . . . .	20.00
(payable on receipt of Notice of Acceptance)	
Laboratory Breakage . . . . .	10.00
(payable at the beginning of the first term)	
Key ( " " " " " " " " ) . . . . .	2.00
<b>Special Fees</b>	
Late Registration . . . . .	1.00
(maximum \$3.00)	
Make-up Examination . . . . .	2.00
per subject	

**Second Year**

Second year fees amount to approximately \$253. (excluding summer and winter board). They include the following:

<b>Fees</b>	Laboratory: Zoology and Parasitology first term . . . . .	\$ 10.00
	Medical Attention . . . . .	2.00
	Dormitory . . . . .	18.00
	Board . . . . .	100.00
	Graduation Fee (payable at the beginning of the second term) . . . . .	3.00
	<b>Total for year</b>	<b>253.00</b>

**PREMEDICAL SCIENCES  
TWO YEAR CURRICULUM**

**First Year**

	<i>First Term</i>		<i>Second Term</i>
	Credits		Credits
Chinese . . . . .	3	Chinese . . . . .	3
English . . . . .	3	English . . . . .	3
Mathematics . . . . .	2	Elem. Math. Statistics . . . . .	2
General Biology . . . . .	3	General Biology . . . . .	3
General Physics . . . . .	3	General Physics . . . . .	3
General Chemistry . . . . .	4	Qualitative Analysis . . . . .	4
Personal Hygiene . . . . .	1	Personal Hygiene . . . . .	1
	<u>19</u>		<u>19</u>
Physical Education . . . . .	2	Physical Education . . . . .	2

*Note:* One credit is granted for either (a) one lecture period per week per term. or (b) three hours of laboratory work per week per term.

**Second Year**

English . . . . .	3	English . . . . .	3
Invertebrate Zoology and Parasitology . . . . .	5	Vertebrate Zoology . . . . .	4
Organic Chemistry . . . . .	4	Physical Chemistry . . . . .	4
General Psychology . . . . .	3	Intro. to Sociology . . . . .	3
Elective (Religion, Social Sciences, or Chinese) . . . . .	3	Elective (Religion, Social Sciences, or Chinese) . . . . .	3
	<u>18</u>		<u>17</u>

*Note:* *Physical Education* (two hours per week) is required for all first year students. In the second and following years all students are expected to take part in the arranged programme of games and athletics.

*Japanese* is offered regularly as an elective course of two hours per week.

Women students are required to spend an average of thirty minutes daily in supervised training in projects related to cooperative living: e.g. gardening and household tasks in the dormitory, such as laundering, food preparation, cleaning etc.,

**PREMEDICAL SCIENCES  
FEES AND DEPOSITS**

**First Year**

Excluding the cost of books, etc., and returnable deposits, the first year's expenses amount to approximately \$362. Fees and Deposits, payable in local currency, are as follows:

Fees	Tuition	per term	
			\$40.00
Laboratory:	Chemistry	" "	10.00
	Biology	" "	5.00
	Physics	" "	5.00
Library		" "	3.00
Athletics		" "	2.00
Medical Attention		" "	2.00
Dormitory Board		" "	14.00
		approx.	100.00
	<b>Total</b>	" "	<b>181.00</b>

**Deposits**

General	20.00
(payable on receipt of Notice of Acceptance)	
Laboratory Breakage	10.00
(payable at the beginning of the first term)	
Key ( " " " " " " " " )	2.00

**Special Fees**

Late Registration	per day	1.00
(maximum \$3.00)		
Make-up Examination	per subject	2.00

**Second Year**

Second year fees amount to approximately \$362.00. In detail they are the same as those payable in the first year, except for the Laboratory Fees which are as follows:—

Chemistry . . . . .	per term	\$10.00
Zoology . . . . .	" "	10.00

**PHARMACY  
TWO YEAR CURRICULUM**

First Year		Second Term	
<i>First Term</i>		<i>Second Term</i>	
	Credits		Credits
English . . . . .	3	English . . . . .	3
General Biology . . . . .	3	General Biology . . . . .	3
General Chemistry . . . . .	4	Analytical Chemistry . . . . .	4
Organic Pharmaceutical Chemistry . . . . .	3	Organic Pharmaceutical Chemistry . . . . .	3
Inorganic Materia Medica . . . . .	2½	Inorganic Materia Medica . . . . .	2½
Prescription Reading . . . . .	1	Prescription Reading . . . . .	1
Practical Dispensing . . . . .	2	Practical Dispensing . . . . .	2
Personal Hygiene . . . . .	1	Personal Hygiene . . . . .	1
	<hr/> 19½		<hr/> 19½
Physical Education . . . . .	2	Physical Education . . . . .	2

*Note:* One credit is granted for either (a) one lecture period per week per term, or (b) three hours of laboratory work per week per term.

**Second Year:**

English . . . . .	2	English . . . . .	2
Organic Pharmaceutical Chemistry . . . . .	3	Organic Pharmaceutical Chemistry . . . . .	3
Organic Materia Medica . . . . .	2½	Organic Materia Medica . . . . .	2½
Prescriptions and Incompatibility . . . . .	1	Prescriptions and Incompatibility . . . . .	1
Physiology . . . . .	2	Physiology . . . . .	2
Pharmacy . . . . .	4	Pharmacy . . . . .	4
Practical Dispensing . . . . .	2	Practical Dispensing . . . . .	2
Book-keeping and Accountancy . . . . .	3	Book-keeping and Accountancy . . . . .	3
	<hr/> 19½		<hr/> 19½

*Note:* *Physical Education* (two hours per week) is required for all first year students. In the second and following years all students are expected to take part in the arranged programme of games and athletics.

*Japanese* is offered regularly as an elective course of two hours per week.

Women students are required to spend an average of thirty minutes daily in supervised training in projects related to cooperative living: e.g. gardening and household tasks in the dormitory, such as laundering, food preparation, cleaning etc.,

**PHARMACY  
FEES AND DEPOSITS**

**First Year**  
Excluding the cost of books, etc., and returnable deposits, the first year's expenses amount to approximately \$ 362. Fees and deposits, payable in local currency, are as follows:

Fees		per term	\$
Tuition . . . . .			40.00
Laboratory: Chemistry . . . . .		" "	10.00
Biology . . . . .		" "	5.00
Dispensing . . . . .		" "	5.00
Library . . . . .		" "	3.00
Athletics . . . . .		" "	2.00
Medical Attention . . . . .		" "	2.00
Dormitory . . . . .		" "	14.00
Board . . . . .		per term approx.	100.00
		Total " " "	<hr/> 181.00

**Deposits**

General . . . . .	20.00
(payable on receipt of Notice of Acceptance)	
Laboratory Breakage . . . . .	10.00
(payable at the beginning of the first term)	
Key ( " " " " " " " " ) . . . . .	2.00

**Special Fees**

Late Registration . . . . .	per day	1.00
(maximum \$3.00)		
Make-up Examination . . . . .	per subject	2.00

**Second Year**  
Second year fees amount to approximately \$335.00. In detail they are the same as those payable in the first year except for the following:

Laboratory: Materia Medica . . . . .	per term	\$5.00
Graduation Fee . . . . .	second term	3.00



**SOCIAL CASE WORK  
THREE YEAR CURRICULUM**

**First Year**

<i>First Term</i>		<i>Second Term</i>	
	Credits		Credits
Chinese . . . . .	3	Chinese . . . . .	3
English . . . . .	3	English . . . . .	3
Mathematics . . . . .	2	Mathematics . . . . .	2
General Biology . . . . .	3	General Biology . . . . .	3
General Psychology . . . . .	3	General Psychology . . . . .	3
Intro. to Social Sciences . . . . .	3	Intro. to Sociology . . . . .	3
Religion or Social Science . . . . .	2	Religion or Social Science . . . . .	2
Personal Hygiene . . . . .	1	Personal Hygiene . . . . .	1
	<u>20</u>		<u>20</u>
Physical Education . . . . .	2	Physical Education . . . . .	2

*Note:* One credit is granted for either (a) one lecture period per week per term. or (b) three hours of laboratory work per week per term.

**Second Year**

English . . . . .	3	English . . . . .	3
Anatomy and Physiology . . . . .	3	Anatomy and Physiology . . . . .	1
Economics . . . . .	3	Public Health . . . . .	3
Child Psychology . . . . .	3	Adolescent Psychology . . . . .	3
Principles of Sociology . . . . .	3	Principles of Sociology . . . . .	3
		Comparative Religion . . . . .	2
Intro. to Social Work . . . . .	1	Social Case Work . . . . .	1
	<u>16</u>		<u>16</u>

**Third Year**

English . . . . .	3	Social Case Work . . . . .	3
Social Case Work . . . . .	3	Philosophy . . . . .	3
Mental Hygiene . . . . .	2	Practice . . . . .	12
Social Pathology . . . . .	3		
Practice . . . . .	4		
	<u>15</u>		<u>15</u>

*Note:* *Physical Education* (two hours per week) is required for all first year students. In the second and following years all students are expected to take part in the arranged programme of games and athletics.

*Japanese* is offered regularly as an elective course of two hours per week.

Women students are required to spend an average of thirty minutes daily in supervised training in projects related to cooperative living: e.g. gardening and household tasks in the dormitory, such as laundering, food preparation, cleaning etc.

**SOCIAL CASE WORK  
FEES AND DEPOSITS**

**First Year**

Excluding the cost of books, etc., and returnable deposits, the first year's expenses amount to approximately \$332. Fees, and deposits, payable in local currency, are as follows:

Fees	Tuition . . . . .	per term	\$ 40.00
	Laboratory: Biology . . . . .	" "	5.00
	Library . . . . .	" "	3.00
	Athletics . . . . .	" "	2.00
	Medical Attention . . . . .	" "	2.00
	Dormitory . . . . .	" "	14.00
	Board . . . . .	per term approx.	100.00
	<b>Total</b> " " "		<u>166.00</u>

**Deposits**

General . . . . .	20.00
(payable on receipt of Notice of Acceptance)	
Laboratory Breakage . . . . .	10.00
(payable at the beginning of the first term)	
Key ( " " " " " " " " ) . . . . .	2.00

**Special Fees**

Late Registration . . . . .	per day	1.00
(maximum \$3.00)		
Make-up Examination . . . . .	per subject	2.00

**Second Year**

Second year students pay the same fees as in the First year, with the exception of the Laboratory Fee. Fees for the year amount to approximately \$322.00. No Laboratory Breakage Deposit is paid.

**Third Year**

In their first term, Third year students pay the same fees as in the Second Year. The second term's fees include only Medical Attention, Dormitory, and Board, with the addition of the Graduation Fee of \$3.00. The total for the year is approximately \$280.00. The Key Deposit is also payable this year.

### RURAL SERVICE THREE YEAR CURRICULUM

**First Year (All Divisions)**

Chinese . . . . .	3	Chinese . . . . .	3
English . . . . .	3	English . . . . .	3
Maths. & Astronomy Survey	2	Maths. & Astronomy Survey	2
General Biology . . . . .	3	General Biology . . . . .	3
Applied Chemistry . . . . .	3	Applied Chemistry . . . . .	3
General Psychology . . . . .	3	History . . . . .	3
Rural Problems Seminar	2	Service Motives . . . . .	2
Personal Hygiene . . . . .	1	Personal Hygiene . . . . .	1
	<hr/>		<hr/>
	20		20

Physical Education . . . . .	2	Physical Education . . . . .	2
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*Note:* One credit is granted for either (a) one lecture period per week per term. or (b) three hours of laboratory work per week per term.

**Second Year (All Divisions except Home Economics)**

Chinese . . . . .	2	Chinese . . . . .	2
English . . . . .	2	English . . . . .	2
Economics . . . . .	3	Intro. to Sociology . . . . .	3
Applied Physics . . . . .	2	Public Health . . . . .	3
Bacteriology . . . . .	4	Agriculture 1 . . . . .	4
Theory of Rural Reconstruction . . . . .	3	Economic Entomology . . . . .	3
Practical Work . . . . .	2	Practical Work . . . . .	2
	<hr/>		<hr/>
	18		19

**Third Year (Extension Division)**

English . . . . .	2	English . . . . .	2
Educational Methods . . . . .	3	Extension Methods . . . . .	3
Social Surveys . . . . .	3	More Advanced Sociology . . . . .	3
Rural Problems Seminar . . . . .	2	Rural Problems Seminar . . . . .	2
Visual Education . . . . .	2	Visual Education . . . . .	2
Practical Work . . . . .	4	Practical Work . . . . .	4
Home Economics . . . . .	2	Elective . . . . .	2
	<hr/>		<hr/>
	18		18

*First Term*

*Second Term*

**Third Year (Mass Education Division)**

	Credits		Credits
English . . . . .	2	English . . . . .	2
Principles of Education . . . . .	3	Teaching Methods . . . . .	3
Educational Psychology . . . . .	2	Visual Education . . . . .	2
Rural Problems Seminar . . . . .	2	Rural Problems Seminar . . . . .	2
Social Surveys . . . . .	3	Extension Methods . . . . .	3
Practical Work . . . . .	4	Practical Work . . . . .	4
Recreation . . . . .	2	Elective . . . . .	2
	<hr/>		<hr/>
	18		18

**Third Year (Livelihood Division)**

English . . . . .	2	English . . . . .	2
Educational Methods . . . . .	3	Extension Methods . . . . .	3
Rural Problems Seminar . . . . .	2	Rural Problems Seminar . . . . .	2
Agromony . . . . .	3	Horticulture . . . . .	3
Village Industries . . . . .	3	Nutrition . . . . .	3
Animal Husbandry . . . . .	2	Poultry Raising . . . . .	2
Practical Work . . . . .	4	Practical Work . . . . .	4
	<hr/>		<hr/>
	19		19

**Third Year (Cooperatives Division)**

English . . . . .	2	English . . . . .	2
Educational Methods . . . . .	3	Extension Methods . . . . .	3
Rural Problems Seminar . . . . .	2	Rural Problems Seminar . . . . .	2
Cooperative Organisations . . . . .	3	Cooperative Organisations . . . . .	3
Book-keeping . . . . .	2	Economic Surveys . . . . .	2
Practical Work . . . . .	4	Practical Work . . . . .	4
Markets . . . . .	2	Elective . . . . .	2
	<hr/>		<hr/>
	18		18

**Third Year (Health Division)**

English . . . . .	2	English . . . . .	2
Educational Methods . . . . .	3	Extension Methods . . . . .	3
Rural Problems Seminar . . . . .	2	Rural Problems Seminar . . . . .	2
Social Surveys . . . . .	3	Visual Education . . . . .	2
Public Health Problems . . . . .	3	Public Health Problems . . . . .	3
Agricultural Sanitation . . . . .	2	Nutrition . . . . .	3
Practical Work . . . . .	4	Practical Work . . . . .	4
	<hr/>		<hr/>
	19		19



<i>First Term</i>		<i>Second Term</i>	
	Credits		Credits
<b>Second Year (Home Economics Division)</b>			
Chinese . . . . .	2	Chinese . . . . .	2
English . . . . .	2	English . . . . .	2
Organic Chemistry . . . . .	3	Public Health . . . . .	3
Bacteriology . . . . .	4	Agriculture 1 . . . . .	4
Economics . . . . .	3	Intro. to Sociology . . . . .	3
Theory of Rural Reconstruction . . . . .	3	Clothing . . . . .	3
	<hr/> 17		<hr/> 17
<b>Third Year (Home Economics Division)</b>			
English . . . . .	2	English . . . . .	2
Rural Problems Seminar . . . . .	2	Rural Problems Seminar . . . . .	2
Educational Methods . . . . .	3	Extension Methods . . . . .	3
Nutrition . . . . .	5	Foods and Cookery . . . . .	3
Home Care of the Sick . . . . .	2	Problems of the Home Today . . . . .	2
		Elective . . . . .	2
Practical Work . . . . .	4	Practical Work . . . . .	4
	<hr/> 18		<hr/> 18

*Note: Physical Education (two hours per week) is required for all first year students. In the second and following years all students are expected to take part in the arranged programme of games and athletics.*

*Japanese is offered regularly as an elective course of two hours per week.*

*Women students are required to spend an average of thirty minutes daily in supervised training in projects related to cooperative living: e.g. gardening and household tasks in the dormitory, such as laundering, food preparation, cleaning etc.,*

### RURAL SERVICE FEES AND DEPOSITS

#### First Year

Excluding the cost of books, etc., and returnable deposits, the first year's expenses amount to approximately \$342. Fees and Deposits, payable in local currency, are as follows:

Fees	Tuition	per term	
	Laboratory: Chemistry	" "	\$40.00
	Biology	" "	5.00
	Library	" "	3.00
	Athletics	" "	2.00
	Medical Attention	" "	2.00
	Dormitory	" "	14.00
	Board	" "	approx. 100.00
	<b>Total</b>	" "	<hr/> 171.00

#### Deposits

General	20.00
(payable on receipt of Notice of Acceptance)	
Laboratory Breakage	10.00
(payable at the beginning of the first term)	
Key ( " " " " " " " " )	2.00

#### Special Fees

Late Registration	per day 1.00
(maximum \$3.00)	
Make-up Examination	per subject 2.00

#### Second Year

Second year fees amount to approximately \$342.00 for all Divisions of the Course except Home Economics. For this the total is \$337.00. Second year Laboratory Fees are as following:

Bacteriology . . . . .	first term	\$10.00
Agriculture 1 . . . . .	second term	5.00
Entomology . . . . .	" "	5.00

**Third Year**

A Graduation Fee of \$3.00 is payable at the beginning of the second term of this year. Excluding Laboratory and Practical Work Fees (listed below), the third year fees amount to approximately \$325.00.

**Laboratory and Practical Work Fees:**

Livelihood Division . . . . .	per term	\$10.00
Home Economics Division . . . . .	" "	10.00
Other Divisions . . . . .	" "	5.00

**SOIL SCIENCE AND AGRICULTURAL SANITATION  
THREE YEAR CURRICULUM**

**First Year**

<i>First Term</i>		<i>Second Term</i>	
	Credits		Credits
Chinese . . . . .	3	Chinese . . . . .	3
English . . . . .	3	English . . . . .	3
Mathematics . . . . .	2	Elem. Math. Statistics . . . . .	2
General Biology . . . . .	3	General Biology . . . . .	3
General Physics . . . . .	3	General Physics . . . . .	3
General Chemistry . . . . .	4	Analytical Chemistry . . . . .	4
Personal Hygiene . . . . .	1	Personal Hygiene . . . . .	1
	<u>19</u>		<u>19</u>
Physical Education . . . . .	2	Physical Education . . . . .	2

*Note:* One credit is granted for either (a) one lecture period per week per term. or (b) three hours of laboratory work per week per term.

**Second Year**

English . . . . .	3	English . . . . .	3
Invertebrate Zoology and Parasitology . . . . .	5	Agriculture 1 . . . . .	4
Geology . . . . .	3	Soil Science 1 . . . . .	3
Bacteriology . . . . .	4	Geology . . . . .	3
Organic Chemistry . . . . .	3	Public Health . . . . .	3
		Popular Education and Extension Methods . . . . .	2
	<u>18</u>		<u>18</u>

**Summer  
Third Year**

**Practical Work with Plants.**

English Journals . . . . .	2	English Journals . . . . .	2
Agriculture 2 . . . . .	3	Agriculture 3 . . . . .	3
Soil Science 2 . . . . .	7	Soil Science 3 . . . . .	7
Economics . . . . .	3	Intro. to Sociology . . . . .	3
Agricultural Sanitation . . . . .	2	Agricultural Sanitation . . . . .	2
	<u>17</u>		<u>17</u>

*Note:* Physical Education (two hours per week) is required for all first year students. In the second and following years all students are expected to take part in the arranged programme of games and athletics.

Japanese is offered regularly as an elective course of two hours per week.

Women students are required to spend an average of thirty minutes daily in supervised training in projects related to cooperative living: e.g. gardening and household tasks in the dormitory, such as laundering, food preparation, cleaning etc.

**SOHL SCIENCE AND AGRICULTURAL SANITATION  
FEES AND DEPOSITS**

**First Year**

Excluding the cost of books, etc., and returnable deposits, the first year's expenses amount to approximately \$ 362.00 Fees and deposits, payable in local currency, are as follows:

<b>Fees</b>	Tuition . . . . .	per term	\$ 40.00
	Laboratory: Chemistry . . . . .	" "	10.00
	Biology . . . . .	" "	5.00
	Physics . . . . .	" "	5.00
	Library . . . . .	" "	3.00
	Athletics . . . . .	" "	2.00
	Medical Attention . . . . .	" "	2.00
	Dormitory . . . . .	" "	14.00
	Board . . . . .	per term approx.	100.00
	<b>Total</b> " " "		<b>181.00</b>

**Deposits**

General . . . . .	20.00
(payable on receipt of Notice of Acceptance)	
Laboratory Breakage . . . . .	10.00
(payable at the beginning of the first term)	
Key ( " " " " " " " " ) . . . . .	2.00

**Special Fees**

Late Registration . . . . .	per day	1.00
(maximum \$3.00)		
Make-up Examination . . . . .	per subject	2.00

**Second Year**

Second year fees amount to approximately \$357.00. In detail they are the same as those payable in the first year, except for the Laboratory Fees which are follows:—

Bacteriology . . . . .	first term	\$10.00
Zoology and Parasitology . . . . .	" "	10.00
Geology . . . . .	per term	5.00
Agriculture 1 . . . . .	second term	5.00

**Summer**

No fees are payable for the Practical Work in the summer of this year, except those for Board and Dormitory.

**Third Year**

Third year fees amount to approximately \$365.00. They differ from first year fees in the following two respects:—

Laboratory: Soil Science . . . . .	per term	\$20.00
Graduation Fee . . . . .	second term	3.00

