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Shantung / Chefoo
Academic
School of Medicine - reports
1920-1921

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MEMORIAL MINUTE REGARDING THE DEATH OF CHARLES K. ROYS, M. D.
Adopted by the Medical Faculty of Shantung Christian University

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STAIRS

Word having been received by cable of the death of Dr. Charles K. Roys on the 23rd September, 1920, the members of the Faculty of the School of Medicine of the Shantung Christian University desire to put on record their sincere sorrow at the loss of a colleague and friend, who in the years of his service in this Institution had endeared himself to all those associated with him. As one of the prime movers in the establishment of this Medical School, Dr. Roys had shown himself a consistent friend of the School all through its first years of struggle, and when later he was invited to become a member of the Staff, he threw himself into the work of his department with energy and was the means of establishing human dissection as a part of the regular curriculum.

Dr. Roys had just completed a year of special study at the University of Minnesota and had just returned to resume his work as head of the Anatomical Department when he was smitten with tumor of the brain and was obliged to return home, where he died within less than a year. His memory as a loyal colleague and faithful worker will long linger in this Institution.

The Faculty would also express its sympathy with Mrs. Roys and her daughters in their loss, and would assure her and them of their constant prayer for them in this time of sorrow.

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**THE SCHOOL OF MEDICINE OF
THE SHANTUNG CHRISTIAN
UNIVERSITY**

When it is remembered that China, with all her ancient civilization and her love of scholarship, is still almost devoid of a qualified medical profession, the suffering and need of her vast population at once becomes evident.

Two hundred years ago medical science in China was not far behind that of any other country in the world; but since that time, owing to the absence of Medical Colleges and Hospitals, or of Government regulations safeguarding the practice of medicine, ignorance and commercialism have hindered all scientific progress, and it is only within very recent years that the Chinese Government has made any attempt to initiate medical education.

Meantime, in connection with the missionary effort that has been carried on in China throughout the past century, a large number of physicians and nurses have opened up mission hospitals in all parts of the country. These hospitals have met with marked success, in relieving the sufferings of hundreds of thousands, in spreading Christianity, and in familiarizing the Chinese people with the benefits of modern medicine. It is however recognized by all today that the true salvation of China can only be brought about, ultimately, by the consecrated efforts of her own trained leaders, and medical missionaries have in consequence been giving increasing attention to the problem of organizing high-grade medical colleges in China, staffed with expert teachers and equipped according to modern standards, and thus able to offer a complete medical course to Chinese students of good education, whilst at the same time attempting to inspire them with the highest ideals of Christian service.

Such a Medical School has now been established at Tsinan,—the capital of the province of Shantung,— as part of the work of the Shantung Christian University, a University in which the representatives of four different countries and ten different Missionary Organizations are now taking a share.

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The first stage in the development of this Medical School consisted in the gathering together of small groups of student-assistants at various hospital centres for instruction, mainly of a practical nature, from the physicians in charge. From that, there gradually sprung up small Union Medical Colleges in some of the larger cities, where a little group of medical missionaries combined their forces in the attempt to give systematic instruction to the students in attendance. These colleges represented a considerable advance on the former stage, but were sparsely equipped and under-manned. Finally, on the recommendation of the Council on Medical Education of the China Medical Missionary Association, endorsed by the British Advisory Board of Medical Missions and by Mission Boards in America, three of these Union Medical Colleges (those at Tsinan, Nanking and Hankow respectively) became amalgamated, and thus formed the School of Medicine of the Shantung Christian University at Tsinan.

The special characteristics of this Medical school are as follows:

1. It is an INTERNATIONAL ORGANIZATION, its faculty and teaching staff, which now consists of twenty-three members, coming from Great Britain, the United States, Canada and China, and including graduates of Oxford, Cambridge, Edinburgh, London, Johns Hopkins, Pennsylvania, Northwestern, Rush, Columbia, Yale, Toronto and McGill.
2. It is essentially a MISSIONARY AGENCY, every member of the staff in addition to being a specialist professionally, being a member of one of the co-operating Missionary Societies, and taking part in the religious work of the School and hospital.
3. It is broadly INTERDENOMINATIONAL, and already includes representatives of eight of the largest religious denominations as co-operating partners.
4. It is endeavoring to maintain MODERN MEDICAL STANDARDS throughout the whole curriculum, every student, after passing the University Matriculation examination, being required to spend at least two years in pre-medical study, (Chemistry, Physics, Biology, etc.), such as can now be secured in the well-equipped laboratories of the School of Arts and Science at Tsinan, fol-

lowed by five years devoted to the medical course proper, the last year of which is given up entirely to clinical work in the wards of the University Hospital.

5. Although English is a compulsory subject at entrance, and throughout the curriculum, so as to facilitate wide collateral reading of English medical literature, THE MEDIUM OF ALL INSTRUCTION IS MANDARIN CHINESE, the language used by three-fourths of the Chinese. This policy has been adopted with a view to enabling students to receive a modern medical education in their own tongue, and thus be the better able to pass on their knowledge to their fellow-countrymen.

The original buildings of the Medical School were erected from funds contributed through the Medical Auxiliary of the English Baptist Mission. These were largely augmented in 1916 by generous grants from the China Medical Board of the Rockefeller Foundation, which at the same time asked the School to receive a number of students from the former Peking Union Medical College, then transferred to the China Medical Board. From these two sources it has been possible to erect a large Medical College and Hospital with well equipped laboratories and wards, in addition to students' quarters, professors' residences, etc., a sum of over \$350,000 having already been expended on these buildings.

The School has received gratifying recognition and assistance from the Chinese authorities. The Governor of Shansi Province, in the summer of 1919, arranged for the graduates of some of the leading High Schools in that province to sit for the Entrance Examinations to the Shantung Christian University, with a view to their entering the School of Medicine, their fees being paid by the provincial government. The Civil Governor of Shantung, also, has recently recommended an annual grant of \$5000 being made from the provincial budget towards the upkeep of the University Hospital.

Students from all parts of Mandarin-speaking China have entered the School of Medicine. The enrollment for 1919-20, which amounted to a total of 46 students in the Pre-medical Department and 98 in the Medical School, included representatives of no less than fourteen provinces, eighteen different missions, and over fifty high schools.

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Over fifty graduates have already completed their course, and are to be found today scattered throughout the country. Almost all of them have served in mission hospitals, subsequent to graduation, and over three-fourths of them are still employed in that way, in some instances taking sole charge of hospitals which would otherwise have been closed. The remainder are engaged in private practice or in military service. It is our earnest hope and prayer that these men may not only contribute towards the relief of suffering and prevention of disease in China, but may also do much towards the evangelization and the uplifting of their fellow-countrymen.

There is still an urgent need for further buildings in connection with the School and Hospital, especially for an additional Laboratory Block, extended ward accommodation, and the provision of a Home for Chinese Nurses.

This is No. 4 of a series of eight folders giving detailed information regarding the various departments of work in the Shantung Christian University. The series consists of the following:

1. An International Enterprise in Christian Education.
2. The School of Arts and Science.
3. The School of Theology.
4. The School of Medicine.
5. A Modern Hospital in a Chinese City.
6. A Chinese Nursing Training School.
7. A Unique Experiment in University Extension Work.
8. Creating a Scientific Literature in China.

Copies of any of the above pamphlets, or any other information relative to the University, will gladly be furnished upon application to

SHANTUNG CHRISTIAN UNIVERSITY
156 Fifth Avenue **19 Furnival St.**
New York City **London, EC4**

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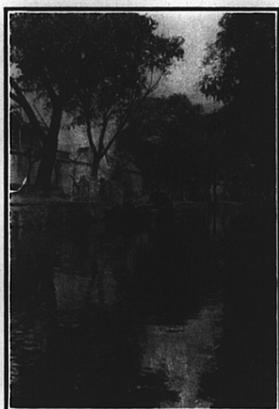
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REPORT of the SCHOOL OF MEDICINE of
the SHANTUNG CHRISTIAN UNIVERSITY



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THE DEAN AND FACULTY



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THE SCHOOL OF MEDICINE

REPORT
OF THE
SCHOOL OF MEDICINE
OF THE
SHANTUNG CHRISTIAN UNIVERSITY

FOR THE YEAR ENDING JUNE 30TH

TSINAN, SHANTUNG, CHINA
1920

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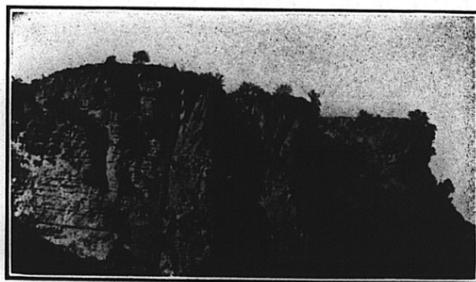
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 CHARLES KIRKLAND ROYS, A.B. (Princeton), M.A. (University of Minnesota), M.D. (College of Physicians and Surgeons, New York) Anatomy
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LI-CHENG TING Demonstrator of Histology
PAO-CHANG HOU Demonstrator of Bacteriology
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MRS. JEANNETTE C. RATCLIFFE (York, Pennsylvania, Hospital)
ACTING SUPERINTENDENT
MISS BERTHA L. DINKELACKER (Methodist Episcopal Hospital, Phila-
delphia)
MISS EFFIE I. DINKELACKER (Methodist Episcopal Hospital, Phila-
delphia)
MISS ETHEL POLLARD (Royal United Hospital, Bath)
MISS WEI (University Hospital, Tsinan)

Hospital Staff

KING-REN CHAI	Surgical Assistant
CHI-HSIEN CHANG	Interne
LIEN-FENG CHAO	Interne
HUNG-TEH HAN	Interne
FU-LUNG TSUI	Interne
HAN-TSING WANG	Interne



REPORT OF THE SCHOOL OF MEDICINE

FOR THE YEAR ENDING JUNE 30, 1920

The work of higher education, in a country where the student body is just developing a consciousness of corporate power and a sense of national importance, is always full of interest and not without its problems, and the experience of the past year has amply borne this out.

The Chinese Student Movement, which had its inception at the publication of the Treaty of Versailles and the refusal of the Chinese delegates to subscribe to its terms, soon developed into a patriotic movement of national dimensions. Commencing in Peking in May, 1919, it rapidly spread to the provinces, naturally assuming special significance in the province of Shantung, regarding which the whole fight was being waged. This led to a cessation of work in all the more important colleges and schools—including the Shantung Christian University—with the result that the schools had to be closed early for the summer vacation, and opened at a correspondingly early date in the autumn. The same course of events occurred towards the end of the following term, and again in April last. These stoppages necessarily involved a serious loss of time and work, and as the students did not see their way to resume their studies at the conclusion of the period for which university classes had been suspended—one

week—the Academic Board decided very regretfully that the only course to adopt was to close the University for the summer, and to require that the work of the spring term should be repeated during the autumn of 1920.

It is most unfortunate that a whole term should thus be sacrificed, but the students did not see their way to do what in their judgment would amount to a desertion of their fellow students, both in Tsinan and in distant cities, whilst the University authorities, on the other hand, felt that it was imperative to remind them that their diploma represented, not a period of time expended, but a standard of work done, and that without the accomplishing of such work it is bound to be withheld.

The students of China are tasting new powers today, and their patriotic movement is an encouraging step towards that national cohesion and sense of national responsibility which has previously been so lacking in the country. At the same time, it has to be recognized that it includes some dangerous features, in that it tends to take "direct action" in what are purely political matters. China today, as her friends know so well, is sorely in need of self-sacrificing patriotism, and it is of great significance that it is the students of the country, and particularly the Christian students, who are voicing this need, and taking so prominent a share in this national protest against that official corruption which has brought about the political weakness of China.

In spite of the difficulties above referred to, the relationship between the student body and Faculty of the School of Medicine has been of the most cordial and loyal character throughout, and with the exception of those occasions when classes were suspended by University action, the work of the School and Hospital has been carried on in a most satisfac-



THE LABORATORY OF NORMAL HISTOLOGY

tory manner. There have been 98 students in attendance (in addition to 46 in the Pre-Medical Department); and as the teaching staff included twelve whole-time teachers and five lecturers and demonstrators, it has been possible to organize class and laboratory work on a far more efficient and adequate basis than has hitherto been found practicable. The higher standard of entrance, and the excellent laboratory facilities of the Pre-Medical Department, are producing better prepared students each year,

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A LABORATORY OF BIOLOGY



ONE OF THE LABORATORIES OF CHEMISTRY

WHERE SOME OF THE PRE-MEDICAL WORK IS DONE
IN THE SCHOOL OF ARTS AND SCIENCE

and their work in the Medical School is correspondingly improved.

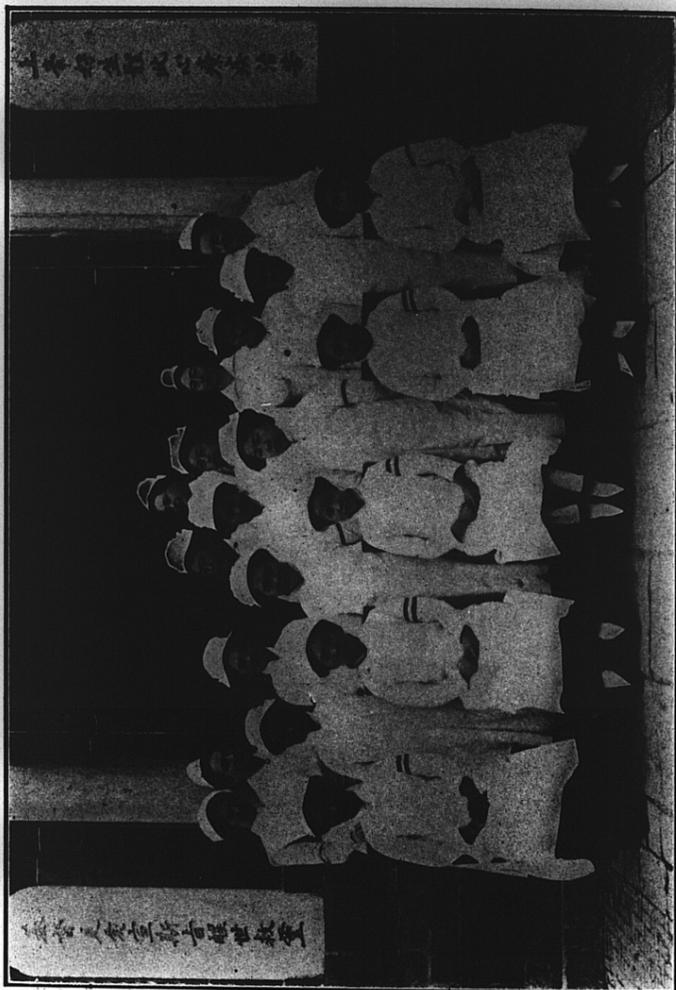
THE STAFF

Various changes in personnel have occurred during the year, the chief of which has been the resignation of Dr. J. B. Neal from his position as Dean of the School, and his new appointment as President of the Shantung Christian University. Dr. Neal has been Dean of the School of Medicine ever since its first establishment as the Tsinan Union Medical College in 1909, and to his sympathetic and able leadership and wise counsel the School owes a large debt of gratitude. In spite of his new and heavy responsibilities, Dr. Neal remains a member of the Faculty and Teaching Staff, where it is hoped that he may yet be spared for many years.

Dr. Harold Balme has been appointed Dean of the Medical School in Dr. Neal's place, Dr. E. R. Wheeler succeeding him as Superintendent of the University Hospital.

Dr. Randolph Shields was appointed Acting Dean of the School of Arts and Science during the autumn term of 1919, in addition to his arduous work in his own department, and is now Acting Dean of the School of Medicine during Dr. Balme's furlough.

Dr. William Fleming, who has been a member of the staff since 1913, left last year in order to carry on temporary work in a mission hos-



THE HOSPITAL TRAINING SCHOOL FOR WOMEN NURSES

pital in the province, and has since proceeded to England on furlough.

Dr. Charles K. Roys, who returned to the School last autumn after a year of special work in the Department of Anatomy of the University of Minnesota, was unfortunately obliged to go back to America a few months later, owing to the development of serious cerebral symptoms. These symptoms have now been entirely relieved by a surgical operation, but Dr. Roys has been advised not to resume his heavy teaching duties at Tsinan, and will return to general hospital work in another city. He will be followed to his new sphere by the good wishes of the whole Faculty, who can never forget the efficient services he rendered in the surgical department of the hospital, and his valuable work for the School.

Dr. Samuel Cochran has been away throughout the year, engaged on special post-graduate work in Bacteriology with Professor Zinsser at Columbia University, New York; whilst Mr. W. P. Pailing has been detained in France, in connection with the work of the Chinese Labour Battalion.

Whilst we have thus been deprived of the services of some of the oldest members of our staff, we have had the pleasure of welcoming six additional members during the year, a brief record of whom may be of interest:

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Peter C. Kiang, A.B. (St. John's University); M.D. (Univ. of Penn.). After taking full collegiate course at St. John's University, Dr. Kiang completed his medical studies in the United States, at Harvard Medical School and the University of Pennsylvania, followed by two years' post-graduate study at Johns Hopkins Medical School. Dr. Kiang has specialized in Physiological Chemistry, and is now teaching in that department at Tsinan.

P. Lonsdale McAll, B.A. (Cambridge); M.B., Ch.B. (Edinburgh). Honours in Classics Tripos in University of Cambridge. Graduate in medicine in University of Edinburgh. Formerly on staff of Union Medical College, Hankow. Translator of various medical textbooks into Chinese.

Ernest Black Struthers, B.A., M.D. (Toronto). Formerly assistant in the London Hospital, Hongkong, and subsequently in Chinese Labour Hospital, France. Has been appointed to department of Clinical Medicine.

J. Stanley Ellis, M.A. (Cambridge), M.R.C.S., L.R.C.P. Formerly Demonstrator of Anatomy in the University of Cambridge; Radiologist to Guy's Hospital, London, Royal Naval and Military Hospitals, and East London Hospital for Children. Dr. Ellis has joined the staff as head of the Department of Radiology and Electro-Therapeutics.



THE UNIVERSITY HOSPITAL

Laurence M. Ingle, B.A., M.B., B.Ch. (Cambridge). Formerly Demonstrator of Anatomy in the University of Cambridge; House Surgeon and Physician, London Hospital; Captain, Royal Army Medical Corps, etc. Dr. Ingle will be attached to the Department of Anatomy.

Francis Henry Mosse, M.A. (Oxon.), M.R.C.P. (London). Studied at Oxford University and Kings College Hospital, London. Held internships at Kings College Hospital, Radcliffe Infirmary, etc. Was Resident Medical Officer to King Edward's Hospital, Ealing; Captain, Royal Army Medical Corps in Egypt, Palestine, etc. Dr. Mosse will be attached to the Department of Medicine.

Of these new workers, Dr. Kiang and Dr. McAll will, for the present, be supported from China Medical Board Funds; Dr. Struthers by the Canadian Presbyterian Board; Dr. Ellis by the Wesleyan Missionary Society and English Presbyterian Mission; Dr. Ingle by the Baptist Missionary Society, and Dr. Mosse, by the Society for the Propagation of the Gospel.

VISIT OF HOME SECRETARIES

It has been our privilege, during the past year, to receive welcome visits from the Secretaries of both our Home Joint Boards—Dr. R. Fletcher Moors-

head, accompanied by Mrs. Moorshead, and Dr. Arnold Ingle, from London, and the Rev. G. T. Scott, accompanied by Rev. and Mrs. W. P. Schell, from New York. Their counsel has been most helpful, and has served to strengthen the links which connect the School with the Joint Boards and supporting constituencies in Great Britain and North America.

CHINESE CO-OPERATION

One of the most gratifying developments of the past year has been the increase of interest and sympathy which have been shown by the Chinese officials and gentry,

During the summer of 1919 a representative of the Governor of Shansi visited the School, bringing the welcome news that the Governor was anxious to send students from his province to study medicine at Tsinan, in the hope that they might ultimately take the lead in the establishment of a Medical College in Shansi. About seventy graduates of Government High Schools in Shansi were subsequently gathered together in Taiyuanfu, to sit for the entrance examination to Shantung Christian University; but unfortunately the time of examination coincided with the Student Movement, to which reference has already been made, with the result that the best students were mostly away. The result was that only five succeeded in passing the examination, but these five have now joined the Preparatory Department, their fees

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being paid by the Governor, and it is fully hoped that many others will follow them in ensuing years.

Another encouraging step has been the formation of an Advisory Board, mostly composed of Chinese Christian business men, in connection with the hospital. One of their first acts was to forward a



ONE OF THE STUDENT DORMITORIES

petition to the Civil Governor of Shantung, Mr. Chu Ing-kwang, asking for an annual grant from the provisional budget towards the upkeep of the hospital. The following reply was received by the Chairman of the Board, Mr. Chang Shou-chen, from the Governor:

"Your petition noted. On inquiry, I have pleasure to learn of the complete medical equipment and the enthusiasm of the University Hospital in their successful medical service to the public here. Your petition applying for \$5,000 as a subsidy to the yearly expenditure of the said hospital came just when I was taking steps to do something of the kind. I have the pleasure therefore to sanction your request to insert the said five thousand dollars in the year's budget, to be allotted from the allowance for local expenditure, in order that their benevolent undertakings may thus be appreciated and assisted.

"You are hereby requested to notify the authorities of the University Hospital.

(signed) CHU ING-KWANG.

WORK OF GRADUATES

The only true test of the success of any school is to be found in the life and work of its graduates, and though, owing to the inadequacy of staff and equipment, none of our former students have received the kind of instruction, nor the personal attention, which it is hoped that future students will secure, it is very gratifying to hear from time to time of the work that many of them are able to do.

Owing to the early closing of the University last term, this year's graduating class, who number thirty in all, will not sit for their final examinations until next October, so that it is impossible to include them in this report. Of those who graduated last year, eleven have been serving as internes at Tsinan or Peking; one has gone to America, for post-graduate work in Bacteriology, and almost all of the re-

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mainder have been assisting in mission hospitals in various parts of the country.

A glance at the list which is given at the end of this report reveals the fact that the great majority of our graduates are still employed in mission hospital service, in some cases taking sole charge of hospitals which would otherwise be closed. The large Men's Hospital of the English Baptist Mission at Taiyuanfu, Shansi, and the Methodist Hospital at Taian, Shantung, are two of such instances, and the missionaries at those stations, and at others, have borne gratifying testimony to the medical and spiritual work which has been done by these old students. Of one such graduate the doctor in charge recently wrote: "Dr. ——— is just now practically running the hospital. I am glad indeed to have so splendid a young man at the head of our staff."

We thank God for such men, and hope to see them making a fuller contribution, year by year, to the relief of the physical and spiritual needs of their fellow-countrymen, and the prevention of disease in China.

TRANSLATION DEPARTMENT

Dr. T. Gillison, with his associates, Mr. Chao and Mr. Leo, have given their whole time during the past year to the important work of translation, ably assisted by Dr. Neal and Dr. Shields, and some of the medical students, notably Mr. Ting li-cheng and Mr. Hou pao-chang.

Through their joint efforts, Cunningham's Manual of Practical Anatomy and two small books on Embryology and Helminthology have been almost completed, and Fuch's Ophthalmology and Gray's Essentials of Anatomy revised, and the translation and revision of several other books commenced.



THE LABORATORY OF BACTERIOLOGY

With the coming of Dr. McAll, and two additional Chinese translators, this department will be greatly strengthened, and it is hoped to make an increasing use of our own students, and thus accustom them to the important work of preparing medical articles and textbooks for the use of their own countrymen.

The generous financial assistance which the China Medical Board is giving to translation work has proved a great impetus, whilst the Chinese Government has not only appointed its own representatives on the special committee, which is translating all modern scientific terms into Chinese, but has promised to make these terms compulsory in government colleges, and to subscribe \$400 per month towards the expense of publishing them.

This important action is of the greatest value, for it gives Government recognition to the translation and publication work hitherto carried on by such agencies as the China Medical Missionary Association; it insures the widespread use of the new Chinese medical literature that is being built up; and it prepares the way for the development of a modern Chinese medical profession, able to appreciate medical science in their own language, and prepared to disseminate up-to-date scientific ideas throughout the country.

The further strengthening of the Translation Department is one of the most important matters connected with our School, for, without a better supply of current literature, those of our students and graduates who do not read English books with freedom are unable to keep abreast of the times in their medical studies.

RELIGIOUS LIFE OF THE STUDENTS

It can never be forgotten that the prime object for which the School of Medicine and Hospital exist,

and for which its large staff has been assembled, is not merely the spread of knowledge, nor is it solely for the demonstration of Christian philanthropy and western science. Its main and essential purpose is



EVANGELISTIC SERVICE IN THE ASSEMBLY ROOM OF THE DISPENSARY

the cultivation of Christian character, and the training of Christian leadership in the professions of medicine and nursing. It is for that reason that everything which is connected with the religious life of the students is a matter of supreme importance.

At present almost all the students are professing Christians, though in some cases their adherence is but lukewarm in character. An effort is made to enlist every one of them in definite religious work, and

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the great majority of them are voluntary members of the various Bible study groups which meet each Sunday under the leadership of members of the Faculty, whilst a large number also take regular part in the evangelistic work of the hospital, or in similar activities connected with their own Y. M. C. A., or elsewhere.

Two former students, previously non-Christians, have been baptized during the past year, and many of those who have left us are taking a prominent part in Church work at the various centers where they are now stationed.

WORK OF THE HOSPITAL

A separate report is now published annually, giving technical details and statistics of the work of the University Hospital, but a few facts with regard to it may not be out of place in this report also.

Summary of Hospital Statistics:

<i>In-Patients:</i>		
Total for year ending June 30, 1920		1,262
Total for year ending June 30, 1919		1,003
	<i>Increase</i>	259
<i>Out-Patients:</i>		
Total for year ending June 30, 1920:		
New cases		13,098
Old cases		30,071
	<i>Total</i>	43,169
Total for year ending June 30, 1919		29,970
	<i>Increase</i>	13,199

The out-patient attendance of the past year has been much greater than that of the year preceding, and the same proportion of increase would have been

true of the in-patients also, if only there had been sufficient accommodation for the numbers who have sought admission. It has been a most pitiable sight to see a group of ten, twenty or even thirty patients waiting at the hospital front door, with their admission papers filled in, guarantors secured and their food money ready, eager to take the place of the one



THE HOSPITAL LABORATORY OF CLINICAL PATHOLOGY

or two patients who may be leaving the hospital on that particular day. Our greatest need is for extension, but unfortunately there are at present no funds in hand to purchase land and put up the necessary buildings, and meanwhile valuable sites are passing out of the market, and prices steadily rising.

The medical work of the hospital has been carried on mainly by Dr. McClure and Dr. Braafladt, who are now welcoming a new addition in the person of Dr. E. B. Struthers, of the Canadian Presbyterian

Mission. On the surgical side, Dr. Wheeler and Dr. Stearns have borne the chief responsibility, ably assisted by a former student, Dr. Chai. Dr. Neal has continued to take charge of the ophthalmic clinic, pending the appointment of a new ophthalmologist, whilst Dr. Shields has added the care of the obstetrical patients to his many other duties.

Five of last year's graduates have been acting as internes throughout the year, and have rendered good service, a sixth unfortunately proving unsatisfactory, and being obliged to leave.

During the summer a serious epidemic of cholera broke out in Tsinan, attended by heavy mortality. The lower wards of the hospital were given over to these cases, and several members of the medical and nursing staffs and the student body, under the leadership of Dr. Braafladt, volunteered their services both day and night. This made it possible for patients to receive skilled attention immediately on arrival, with the result that only fourteen deaths occurred amongst more than 100 patients admitted, the mortality amongst those who were brought to the hospital on the first day of disease being reduced to two per cent. A full account of this epidemic was published in the China Medical Journal for May, 1920.

Mrs. Ratcliffe, of the Canadian Presbyterian Mission, has kindly acted as Nursing Superintendent, in the absence of Miss Logan, until forced by ill health to resign her post, to the great regret of all. Over thirty Chinese nurses have been in training,

three of whom were graduated last June, making a total of nine who have now completed their training and received their certificates. Almost all of these are now assisting in hospital work, either in Tsinan or elsewhere, and excellent reports have been received of those who have taken posts in other institutions.



ONE OF THE WOMEN'S WARDS

Pastor Nieh, Mr. Ching and Mrs. Ren have continued their faithful evangelistic work in the wards and out-patient department, and several members of the medical and nursing staff, as well as many of the ladies resident in Tsinan, have assisted them in the conducting of services in the wards, the bedside instruction of the patients, and the social entertainment of those who are well enough to enjoy the Victrola or Magic Lantern.

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NEEDS OF THE INSTITUTION

In spite of the encouraging progress which has been recorded during the past few years, and for which the generous support of the China Medical Missionary Association and of the China Medical Board has been so largely responsible, the Medical School has still to chronicle several urgent needs, which may be tabulated as follows:

STAFF:

Two Surgeons
One Physician
Specialist in Ophthalmology
Specialist in Diseases of Ear, Nose and Throat
Pharmacologist
Obstetrician and Gynecologist
Specialist in Preventive Medicine
Dentist
Two Nurses

LAND AND BUILDINGS:

New Laboratory Block
Hospital Extension
Home for Chinese Nurses
Land and Residences

ANNUAL UPKEEP:

Annual subscriptions towards the general upkeep of the School and Hospital, and the provision of scholarships and prizes for students anxious to engage in post-graduate and research work.

An earnest appeal is made to all who are interested in the attempt to establish and maintain the School of Medicine and Hospital, to remember these needs continually, and to co-operate with us in our endeavor to meet them.

FINANCES

The Financial Statement of the School and Hospital combined, for the year ending June 30, 1920, follows:

Expenditure

School	
Domestic	M\$110.86
Fuel	1,242.33
Laboratories	2,230.04
Library	280.48
Lighting	1,297.13
Miscellaneous	211.60
Office Expenses	268.32
Printing, Stationery	920.66
Repairs	685.21
Salaries and Wages	3,463.67
Water	524.17
Total for School	11,234.47
Hospital	
Administration	999.83
Bandages and Dressings	2,201.05
Contingent	31.10
Domestic	1,159.33
Drugs and Disinfectants	6,437.78
Equipment and Furniture	835.89
Heating	4,205.56
Kitchen	5,289.93
Lighting	680.90
Renewal of Instruments	912.68
Rent	310.00
Repairs and Additions	864.84
Salaries and Wages	8,166.27
Samaritan Fund	321.37
Water	361.04
Nursing Department, Miscellaneous	46.91
Total for Hospital	32,774.48
School and Hospital share of General University Administration	2,130.64
	M\$46,139.59

Receipts

Appropriations	
English Baptist Mission	M\$6,886.00
American Presbyterian Mission, North,	6,550.00
Anglican Mission	999.53
American Presbyterian, South	1,600.00
London Missionary Society	2,064.49
Canadian Presbyterian Mission	688.10
Wesleyan Methodist Mission	79.25
China Medical Board	12,084.25
Total for Appropriations	30,946.62
Field Receipts	
School Tuition and other fees	1,827.50
School and Hospital Subscriptions	1,374.10
Hospital Fees, including Food Fees	11,709.63
School Miscellaneous	27.64
Hospital Miscellaneous	254.10
Total for Field Receipts	15,192.97
	M\$46,139.59

The above does not include grants for the salaries of foreign members of the staff, nor a number of items chargeable to the China Medical Board Funds.



GRADUATES OF THE SCHOOL OF MEDICINE AND AMALGAMATED COLLEGES

Graduates of the former Union Medical College, Tsinan

<i>Name.</i>	<i>Year of graduation.</i>	<i>Present location and work.</i>
Gao Deng Ying	1915	Army service, Tsinan
Gia Yu Siu	"	Methodist Hospital, Changli
Gwo Hao Ling	"	American Board Hospital, Tehchow, Shantung
Hou En Cheng	"	British Government Hospital, Weihaiwei
Wang Kei Min	"	Army service
Wang Hsun	"	Private practice, Tengchow
Yang Ming Ting	"	Army service
Chen Hsueh Ling	1916	Presbyterian Hospital, Chefoo
Djou Hung Lieh	"	Baptist Hospital, Hwanghsien
Djou Djeng Lieh	"	Private practice
Sun Hsiao Kung	"	Army service
Giang Chwan Liang	"	Died in 1918
Wang Hwei Wen	"	Demonstrator of Anatomy, Tsinan
Lo Dung Ping	"	Presbyterian Hospital, Weihsien
Chai Ging Ren	1917	University Hospital, Tsinan
Liu Gwang Cheng	"	Private practice
Wang Hsi Gwang	"	Army service
Yang Teh En	"	Methodist Hospital, Taian, Shantung
Yuan Lien Fang	"	Baptist Hospital, Taiyuan, Shansi

Graduates of former Medical Department, University of Nanking

<i>Name.</i>	<i>Year of graduation.</i>	<i>Present location and work.</i>
Du Ru Feng	1914	Private hospital, Hsiashih
Hsiang In Hsing	"	Private practice, Nanking
Mao Bah	"	Private hospital, Bingwu
Chang Yu Nong	"	Died, 1916
Chang Chi Pei	"	Baptist Hospital, Shaohsing
Shen I Bing	"	Baptist Hospital, Kinhwa
Chang Wei Hsin	"	Died
Chen Chao En	"	Private hospital, Chekiang
Swen Lung Giang	"	Presbyterian Hospital, Tsingkiangpu
Tang Ren Shen	"	Private practice
Chang Feng I	1917	University Hospital, Nanking
Chen Teh Hwai	"	Presbyterian Hospital, Liling
Chien Chi Suen	"	Presbyterian Hospital, Kashing
Djeng Hwai Ren	"	Disciples Hospital, Nantungchow
Li Shu Hwa	"	Methodist Hospital, Nanchangfu
Nyi Len Yuen	"	Presbyterian Hospital, Kiangyin
Shen Tsai	"	Baptist Hospital, Shanghai
Sie Wei Rin	"	Presbyterian Hospital, Hwaiyuan
Sie Shi Hwei	"	Presbyterian Hospital, Siangtan
Sung Teh Tsuen	"	Disciples Hospital, Chuchow
Wang Yuen Ling	"	Private Hospital, Chekiang
Wu Chi Tang	"	Private Hospital, Chekiang

Graduates of former Union Medical College, Hankow

Name.	Year of graduation.	Present location and work.
Tsou Hou Ngan	1908	Red Cross Hospital, Hankow
Tang Yuen Chang	"	Died 1914
Pao Wei Liang	"	Presbyterian Hospital, Changteh, Hunan
Hsiao Ki Ngan	1909	Yangtse Engineering Works, Hankow
Kung Keh Ting	"	Presbyterian Hospital, Taoyuen, Hunan
Hu Kia Hsing	"	London Missionary Hospital, Hankow
Sung Hsi Keng	"	Wu Chow Dispensary, Hankow
Tai Pao Hwa	1910	Presbyterian Hospital, Shengchow, Hunan
Lei Chen Han	1911	London Mission Hospital, Tientsin
Tsiang Ming Ching	1912	London Mission Hospital, Shanghai
Tan Mow Tung	"	Anglican Hospital, Hokienfu, Chihli
Wu Wei Chang	1913	London Mission Hospital, Tsaoshih, Hupeh
Kiang Wen Po	"	University Hospital, Nanking
Yeh Ching Yao	1914	London Mission Hospital, Wuchang
Tsou Shao Lien	"	Army service, Kaifengfu, Honan
Wang Kwoh Chiang	"	Wesleyan Hospital, Teh Ngan, Hupeh
Li Ren	"	Baptist Mission Hospital, Sianfu
Ho Kien Hsuin	"	Swedish Mission Hospital, Shiangyang
Shih Ching Chuin	"	Private practice, Sianfu
Sheng Hsi Yen	"	Private practice, Wusi
Yang Huai Pang	1915	Mission Hospital, Laungking, Swatow
Yu Teh Fu	"	Private practice, Kingshih, Hunan
Chang Ping Hui	"	Baptist Hospital, Yenafu, Shensi
Sung Hsing Chuan	1916	Tung Ki Hospital, Shiang Yang, Hupeh
Yao Teh Hwa	"	Reformed Church Hospital, Yochow
Hsiao Ta Tsen	"	Wesleyan Hospital, Anlu, Hupeh
Chou Tze Ren	1917	Mission Hospital, Chiao Shan, Honan
Tan Yak Sek	"	Baptist Hospital, Swatow
Li Ching Heng	"	Swedish Hospital, Shashih, Hupeh
Lei Teh Tao	"	Reformed Church Hospital, Yochow
Tsen Tsong Lieh	"	Wesleyan Hospital, Ping Kiang
Pen Ya Tong	"	Private practice, Wuchang
Tsen Mong Chien	1918	Baptist Hospital, Kityang, Swatow
Tsen Tze Pin	"	Baptist Hospital, Swatow
Li Lan Tien	"	Presbyterian Hospital, Hengchow
Pan Wen Pin	"	Private practice, Nanking
Sao Peh Tang	1919	London Mission Hospital, Hankow
Chang Tsen Tze	"	American Church Hospital, Wuchang

Graduates of School of Medicine, Tsinan, Subsequent to Amalgamation

Name.	Year of graduation.	Present location and work.
Chang Ying Keng	1919	Private practice
Deng Tsing Shan	"	Nanking Hospital
Djan Gin Tao	"	Private practice, Newchwang
Djang Gi Hsien	"	University Hospital, Tsinan
Djang Tien Djang	"	Presbyterian Hospital, Tsining, Shantung
Djang Tung Hsin	"	Presbyterian Hospital, Weihsien
Djang Yang Tsing	"	Methodist Hospital, Kiukiang

Graduates of former Union Medical College, Hankow

Name.	Year of graduation.	Present location and work.
Djao Djen Ming	"	Private practice, Manchuria
Djao Lien Feng	"	University Hospital, Tsinan
Djao Lien Ko	"	South Presbyterian Hospital, Tsingkiangpu
Djou Wen Yuan	"	American Board Hospital, Tehchow
Djao Yu No	"	Nanking Hospital
Djung Gwang Hsiang	"	Presbyterian Hospital, Ichowfu
Gao Ming Djih	"	Presbyterian Hospital, Tengchowfu
Gao Shih En	"	Union Medical College Hospital, Peking
Gai Yu Ko	"	South Presbyterian Hospital, Hsuehchowfu
Han Djung Hsin	"	Union Medical College Hospital, Peking
Han Hung Deh	"	University Hospital, Tsinan
Hsu Li Hwa	"	Presbyterian Hospital, Chefoo
Hsuen Wei Kun	"	South Presbyterian Hospital, Kashing
Hu Ying Teh	"	Union Medical College Hospital, Peking
Kung Ching Yun	"	Yale Hospital, Changsha
Li Chi Yuan	"	Nanking Hospital
Li Dji Chwen	"	Church of Scotland Hospital, Ichang
Li Ging Heng	"	Private practice
Liu Gwo Djih	"	Union Medical College Hospital, Peking
Meng Hsien Ching	"	South Presbyterian Hospital, Kiangyin
Pan Dao Yung	"	Baptist Hospital, Taiyuanfu
Pan Fu Yin	"	Rush Medical College, Chicago
Shi Tsing Sheng	"	Union Medical College Hospital, Peking
Sung Gwo Ben	"	Methodist Hospital, Wuhu
Sung Lien Yuan	"	Presbyterian Hospital, Hwaiyuan
Tien Shu Ping	"	Presbyterian Hospital, Paotingfu
Tsui Fu Lung	"	University Hospital, Tsinan
Wang Han Tsing	"	University Hospital, Tsinan
Wu Yung Pin	"	South Presbyterian Hospital, Kashing

SUMMARY OF ABOVE STATISTICS

Graduates of School of Medicine and Amalgamated Colleges.....	115
Have acted as Internes or Assistants in Mission Hospitals.....	110

Present Employment:	
Mission Hospitals	81
Government and Private Hospitals	7
Military Service	5
British Government Service	1
Private practice	16
Post-graduate study in America	1
Died since graduation	4
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	115



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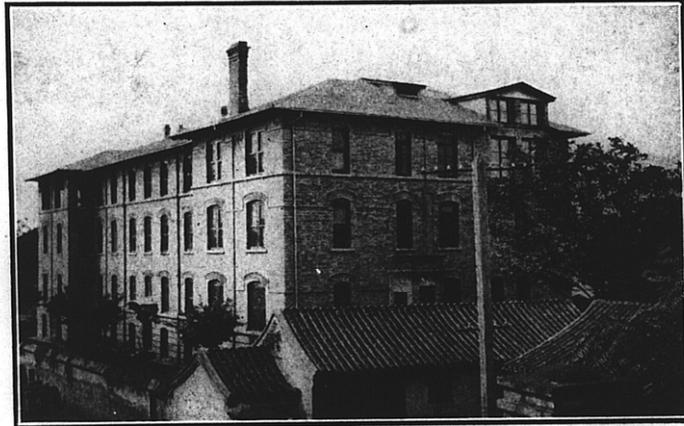
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ROCKEFELLER MEMORIAL GIFT DOES NOT APPLY TO
NORTH CHINA MEDICAL COLLEGE

*The North China Union
Medical College for
Women*

Federation of Women's
of Foreign Missions of 1
419 FOURTH AVENUE, NEW YORK



Peking, China

Founded
1908

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*"God had an only Son and He was a
Missionary and a Physician."
—Dr. Livingstone*

1921

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This booklet is one of a series of seven describing the Women's Union Christian Colleges in the Orient and published by the Joint Committee on these colleges. The ten cooperating Women's Boards of Foreign Missions in America provide the maintenance but are unable to secure land and buildings which rapid growth has made necessary. All are in temporary crowded quarters.

If the story of this adventure in International Friendship and the appeal for aid seem important to you will you not send your check or pledge to the Assistant Treasurer of the Joint Committee, Miss Hilda L. Olson, 300 Ford Building, Boston, Mass., or to the Treasurer of your own Woman's Board of Foreign Missions, designating a special college or building if you desire.

Joint Committee on Women's Union Christian Colleges in
the Orient—1921
300 Ford Building, Boston, Mass.

**The North China Union
Medical College
for Women**

PEKING : : : : : CHINA

1908 ——— 1921

*In this booklet is briefly depicted
the urgent need for medical train-
ing for Chinese women, and the
manner in which this need can
be met by the North China Union
Medical College, now in its four-
teenth year.*

JOINT COMMITTEE OF THE
WOMEN'S UNION CHRISTIAN COLLEGES
IN THE ORIENT
1921

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Students of North China Union Medical College for Women on the School Steps

The Woman Physician in China



WHEN the Christian women of the West saw their high destiny of world service, like the Wise Men of old, they followed the Gleam, and gave to the women of the East, their choicest gifts. They gave no gift so rich, so sweet, so welcome, as the gift of the woman physician. The woman physician came to China, hoary, vast, teeming China. See what she saw!

WASTE OF BABY LIFE

A little child gazes at her with speaking eyes and dumb lips. She is the victim of acupuncture. The native doctor has thrust into the larynx a great, unclean needle.

This soft baby head is a mass of festering blisters. Burning is the remedy of the so-called Chinese physician. Those heavy eyes mean dope. The baby has an agonizing ear abscess. Unable to bear the crying, the helpless mother has given opium.

The woman doctor passes through a Peking street, and notes how it overflows with laughing boys and girls. A little later, she finds the street mute as death. "Throats not good," she is told. Diphtheria came, saw, conquered, till not a child victim is left. Who knows about contagion? Who has ever heard of antitoxin?

She sees superstition take the sick child from the heated *kang* and lay it on the cold floor, destroying its last chance of life. From the doorway, the desolate mother waves the child's coat, trying to call back the departing spirit.

Cholera rages, sweeping off entire villages, while children play on decaying filth heaps, piled at the very house-door,

The North China Union Medical College for Women

and devour cut melons, exposed on open stands in dirty streets. Who knows about the deadly fly? Did not one of their own poets say,

“Oh, spare the busy morning fly!
Spare the mosquitoes of the night.”

Who understands the alphabet of the laws of sanitation?

WOES OF MOTHERHOOD

The woman doctor sees the pitiable woes of the women. The prospective mother patiently (no woman so patient as the Chinese woman) lies down on her bed of pain. Her bed has been prepared by placing several inches of dirt over the brick bed. Who knows anything of septicaemia? Surely not the ignorant, unclean midwife. Mother and babe are poisoned.

WHY THE WASTE?

“It need not have been,” was the poignant cry of one of them, Dr. Rachel Benn. That cry is echoed over and over again in the hearts of her sister physicians. “Why, why this unutterable waste of baby life, of mothers?” Why?

“So much to do, so few to do it. What are we among so many—250,000,000 Chinese women and children?”

A WAY OUT

Then to these worn, but dauntless women doctors, standing at their posts in the Battalion of Life, God sent a dream—a dream of a medical college to train Chinese women, women deft of hand, quick of brain, stanch of heart—the very material for a woman doctor.

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The North China Union Medical College for Women

THE DREAM REALIZED

“It was not all a dream,” for these women of faith knew how to make their dream come true.

February,—birth month of liberators like Washington and Lincoln,—February, 1908, marks the birth month in Peking of the North China Medical College for Women, an institution to proclaim release to the captives of filth, ignorance and superstition, the recovering of sight to the blind, to set at liberty them that are bruised.

THE BEGINNING

Only two young women formed the student body. There was no college building and classes met in two small rooms of the Mary Porter Gamewell School, one of which was used as a lecture room, and the other as a laboratory.

PRESENT GROWTH

From this insignificant beginning, the school has grown to its present proportions. Seventeen professors and instructors, American and Chinese, compose the faculty and represent the three co-operating missions, Methodist Episcopal, Presbyterian, and Congregational. The administration building, located in the Methodist compound, is a substantial two story structure, provided with electricity, steam heat and running water. The equipment is meagre, but is receiving yearly additions. Funds for an X-ray machine have been appropriated. Two adjoining buildings are used as dormitories. Plans have been made for a departmental teaching dispensary and staff residence.

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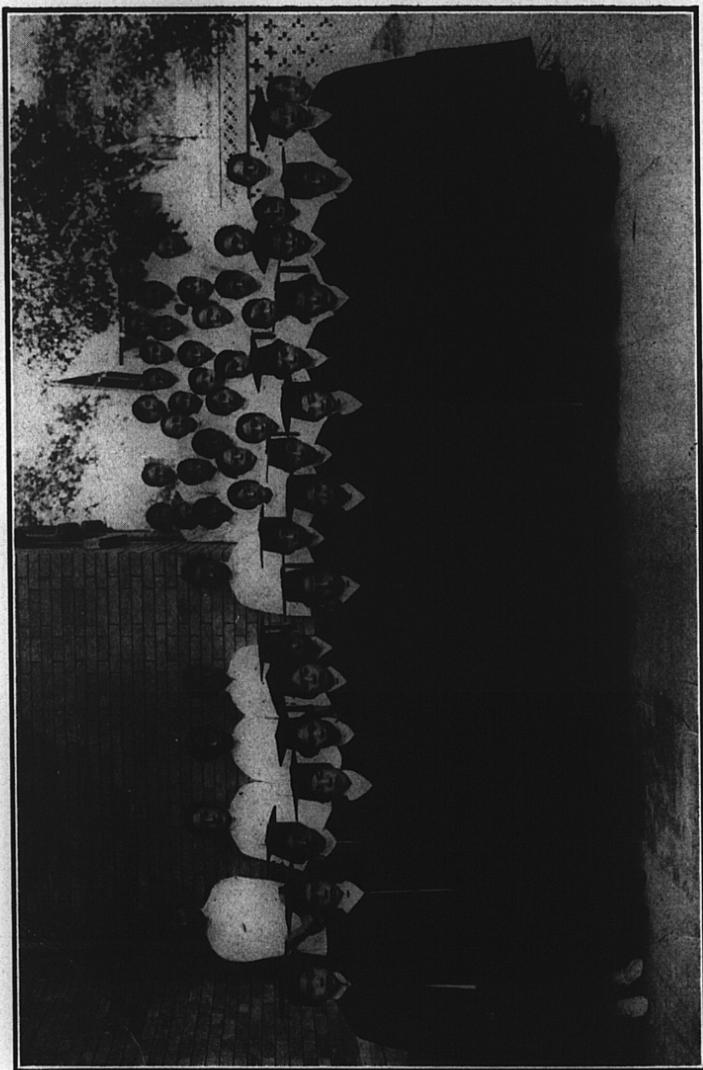
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Class of 1921

The North China Union Medical College for Women

STRATEGIC SITE

The college is favorably located in Peking, wonderful old city of palaces and temples, the great center of political, intellectual and social life. Peking has also a cold, dry winter climate with weeks of brilliant sunshine. In the Western Hills and on the seacoast, are healthful retreats of easy access for vacation days. The college is near the Hatamen,—the great, towering gateway between the Manchu and Chinese sections of Peking,—through which flow back and forth the surging multitudes. Three mission hospitals in the vicinity provide vast clinical material. The Sleeper Davis Hospital, maintained by the Woman's Foreign Missionary Society of the Methodist Episcopal Church, has a capacity of 100 beds. In 1920-21, it treated 1061 in-patients, 21,566 dispensary patients, and 401 obstetrical cases.

The Dow Hospital of the Presbyterian Church has 40 beds and a large out-patient department. The clinical opportunities that these hospitals for women afford, are freely placed at the disposal of the medical students, and members of the advanced classes are allowed to assist in certain operations. Clinics in the Methodist Men's Hospital, located a block away, have been attended by the students in small groups, and an excellent opportunity afforded for direct observation of symptoms and treatment. Groups of seniors visit the Government Isolation Hospital and are given an insight into the care and treatment of contagious diseases. The Union Medical College Autopsy Room and Pathological Laboratories are also open to the students.

The Union Training School for Nurses is also located near the Medical College for Women.

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The North China Union Medical College for Women

STANDARDS

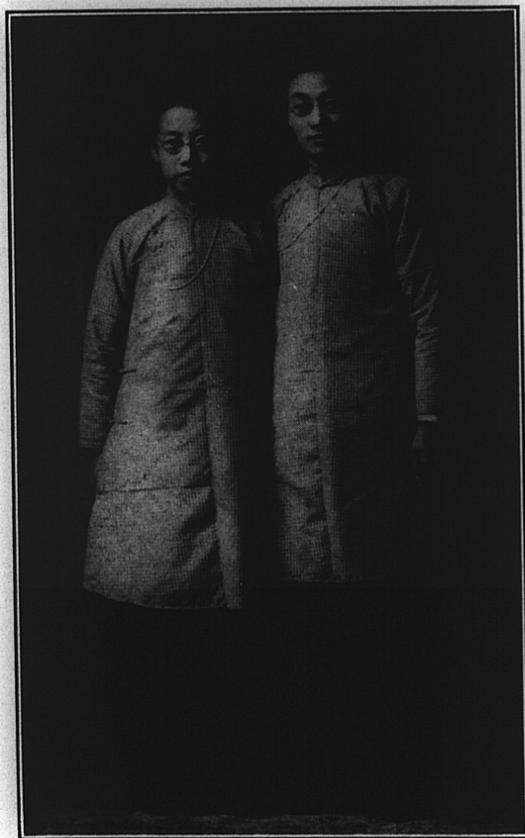
The entrance requirements have been gradually advanced. The new class admitted in September, 1920, were young women who had completed two years of college work, including English and pre-medical courses in physics, chemistry, and biology with corresponding laboratory work. Yenching College,—the Woman's department of the University of Peking,—offers special courses in pre-medical science, as preparation for entering the Medical College. From present indications, between thirty and forty students in Yenching will elect these courses for 1921-22. This will give the Medical College a large entering class in the fall of 1922 under advanced standards.

A BI-LINGUAL COLLEGE

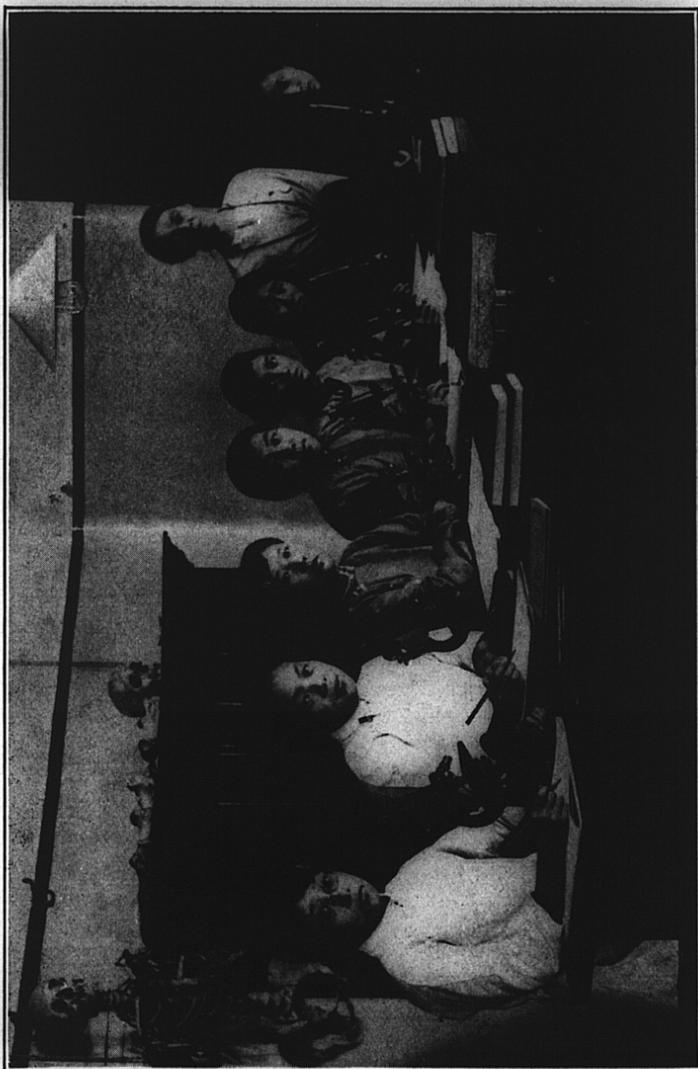
Mandarin, spoken by the vast majority of Chinese millions, is the chief medium of instruction and some courses are given in English to the end that students may read medical journals in English and thus keep in touch with the most advanced medical thought.

STUDENT-BODY

From an enrollment of two the first year, the student-body has grown to thirty-eight during the year 1920-21, these young women coming from eight provinces and from Manchuria and Korea. Eight denominations have representatives in training for their own medical work. In June, 1921, twenty-one young women completed the academic portion of their training and went out for practical experience in hospital work. At the expiration of a year of satisfactory service, diplomas and degrees will be given them.



Miss Liu Lan Ying Miss Wang Pao Chen
Surgeons at the Union Medical College



Freshman Class in Histology

The North China Union Medical College for Women

GRADUATES

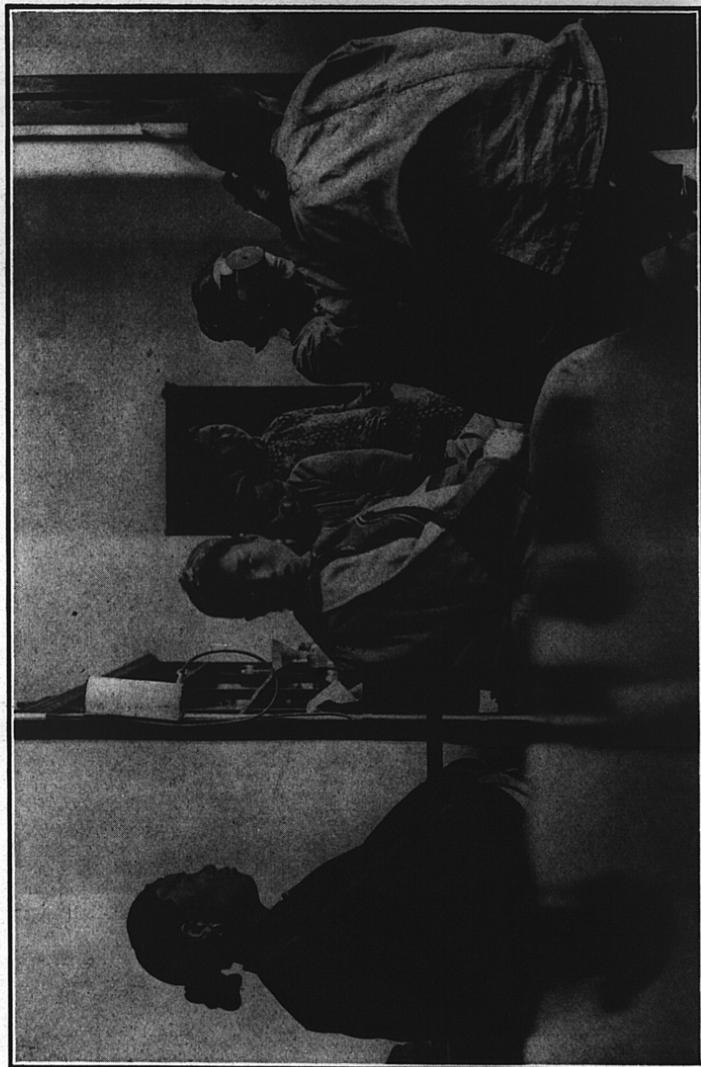
"By their fruits, ye shall know them."

Of the twenty-one young women, to whom certificates were given in June, 1921, one comes to America, and the remaining twenty go to hospitals in fifteen cities in seven provinces, in Manchuria and in Korea. This was the largest class that has ever gone out from the school, but the number was not sufficient to meet the requests for hospital internes.

The graduates of the school now number forty-seven. The large majority are identified with the missionary work of the different churches, and are scattered from Moukden in the North to Fukien in the South, and from the Pacific Coast to far Chungking.

Take a Chinese young woman of the East Coast, educated in the glamor of the capital city, Peking. Ask her to take a journey of a month through the dangerous rapids of the Yangtze gorges and go to Chungking, a city of the most western province, bordering Thibet. Chungking, with its strange customs, different climate and dialect, with its remoteness from "home," is almost as much foreign to her as is the Orient to a young woman of America. Yet to meet the need there, and to make possible the opening of the only woman's hospital in a territory of millions of people, Dr. Lydia Ch'en devoted herself and bravely undertook the journey and the task. Enthusiastic reports are received of her work in the hospital and of her reception in the best homes of the city. The surgeon-in-chief of the General Hospital in that city, refers to her as a "good surgeon and capable physician."

In Kiukiang when the Danforth Memorial Hospital was left without its head of many years, another Dr. Ch'en with faith and courage, took the burden upon her shoulders and nobly



Clinic at Women's Hospital

The North China Union Medical College for Women

did she bear it. A medical associate of that city says "Dr. Ch'en has sound judgment and does excellent work in diagnosis."

Dr. Chao Shu-Lan has for some time had full charge of the woman's department of the Church General Hospital, Wuchang, and is reported as "doing splendidly." The head physician says, "I cannot speak too highly of the work and character of Dr. Chao. She has never disappointed me."

Dr. Li-wang Pao Ch'en has for a number of years been assistant in anatomy and associate in surgery in Peking Medical College. Of her work, none speak but in praise.

Dr. Wu Jei-Ling has done three years of good work in Sleeper Davis Hospital. During the third year, she was General Anaesthetist for the hospital and associate in obstetrics.

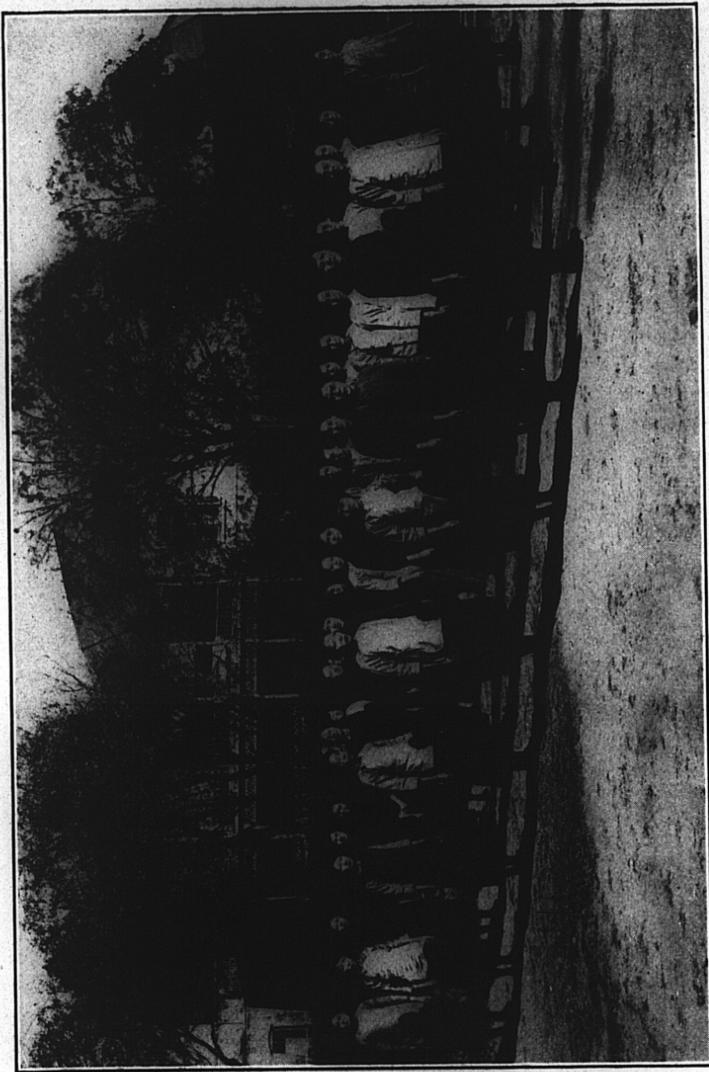
At this writing, two women's hospitals of the North China Presbyterian Mission are kept open by graduates of the Medical School.

THE NEED

China with a population of 400,000,000 has 372 mission hospitals, 328 dispensaries, 267 men and 93 women medical missionaries. China has one doctor for 1,200,000. At this ratio, the United States would have 92 doctors.

THE CHALLENGE

One of the great sights of Peking is the famous Temple of the Great Bell, which enshrines the deed of a Chinese maiden. Twice had her father, the bell-maker, failed. The astrologer said that only the blood of a maiden could fuse the metals and save her father from the emperor's wrath. At the moment of casting, with the cry "For thy sake, O my



North China Union Medical College for Women. W. F. M. S. Home in the Rear

The North China Union Medical College for Women

father," she threw herself into the glowing metal, and the perfect bell came forth, sounding in mellow, far-reaching music the praise of her filial deed.

Today, Chinese young women, as noble as she, stand ready to cast themselves into the melting pot of China. They are ready to devote arduous years in study and to face dangers greater than any battle field. Recall the fearful epidemic in North China, in 1911. See the record—43,942 cases, and 43,942 deaths. It may be their part, like young Dr. Arthur Jackson, to throw their lives across the path of the onward sweep of some great pestilence and stay it at the cost of life, as he did. They venture their all in order that from pure homes, blessed with happy motherhood, radiant with well-born childhood shall ascend the music of thanksgiving and praise into the ears of the All-Father.

THE CALL

The North China Union Medical College is the only existing woman's medical college in China, giving instruction in Mandarin and English, and it is the only woman's medical college with the exception of the Hackett Medical College in Canton where the instruction is in the more limited Cantonese dialect. To meet the requirements of a first class medical school, North China Union Medical College needs \$450,000 for building and equipment.

Chinese young women, facing a great task, say "For country's sake, for our sisters' sake, for Christ's sake" and hold nothing back. Shall this devotion be wasted, because we fail to equip them with the very best?

Is not the Voice which commissions them, "Go, preach and heal," saying to us, "Freely ye have received, freely give?"

THE CO-OPERATING COMMITTEE *of the*
NORTH CHINA UNION MEDICAL
COLLEGE FOR WOMEN

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REPORT of the SCHOOL OF MEDICINE of
the SHANTUNG CHRISTIAN UNIVERSITY



1921



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A BRIGHT SPOT AFTER DULL ROUTINE

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CENTRAL BUILDING OF THE SCHOOL OF MEDICINE

REPORT
OF THE
SCHOOL OF MEDICINE
OF THE
SHANTUNG CHRISTIAN UNIVERSITY

FOR THE YEAR ENDING JUNE 30TH

TSINAN, SHANTUNG, CHINA

1921

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DR. JAMES BOYD NEAL, M. A., M. D.
Dean of the School of Medicine, 1909-1919
President of Shantung Christian University, 1919-1921

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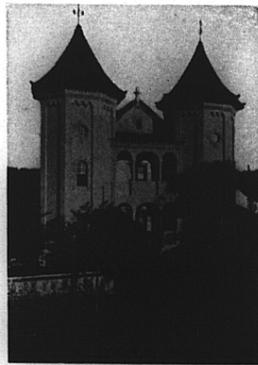
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 FU-LUNG TSUI
 TEH-KEN CHAI
 HUNG-NIEN CHANG
 CHI-KING HO
 PING-SAN HUO
 HUNG-EN HSIE
 CHANG-CHUN TSI

Medical Assistant
 Surgical Assistant
 Interne
 Interne
 Interne
 Interne
 Interne
 Interne



THE HOSPITAL TOWERS

REPORT OF THE SCHOOL OF MEDICINE

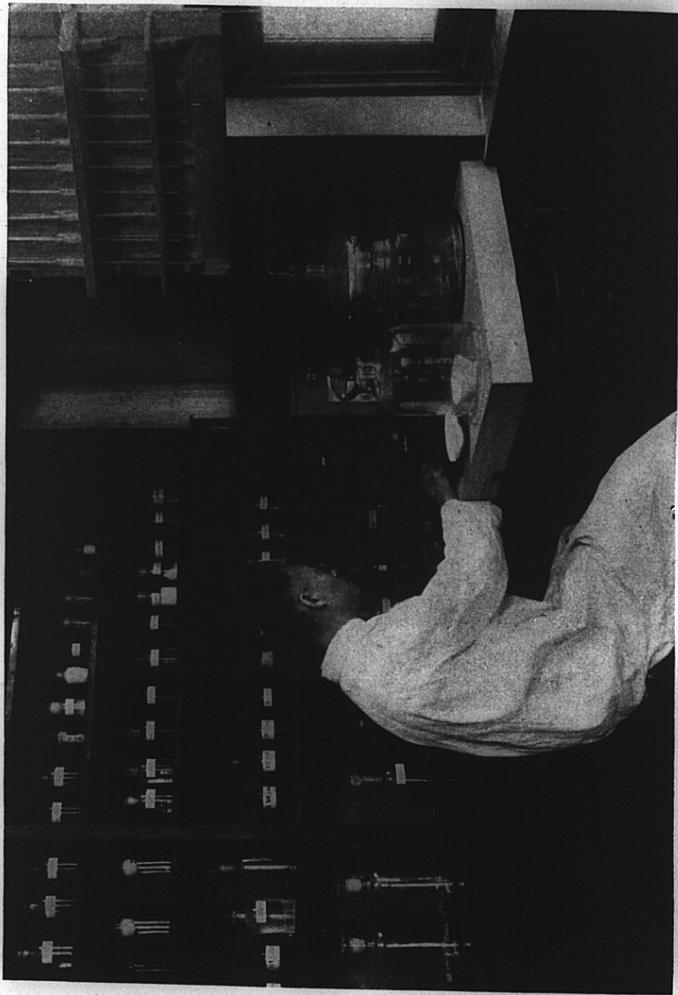
FOR THE YEAR ENDING JUNE 30, 1921

The political history of China during the year just passed has been punctuated by inter-provincial faction and strife, whilst the economic problems of the country have been gravely accentuated by the famine which occurred in the north during the winter and spring. It is, therefore, with special gratification and thankfulness, that we are able to record that the work of the School of Medicine and Hospital has been continued without any serious interruption throughout the whole period, and with a freedom from the widespread students' strikes, which produced so perplexing a situation in the previous year.

The interference with study which resulted from earlier strikes compelled the University Senate to require that the time lost should be made up by an additional term's work, but arrangements were made whereby the senior class, due to graduate in June, 1920, were able to sit for their final examinations in the following October. Twenty-five were successful, whilst the four who failed to satisfy the examiners succeeded in passing in March, 1921. Of these twenty-nine additional graduates of the School, twenty-three have taken service in mission hospitals in various parts of the country, whilst others have been engaged in the medical care of famine refugees and in plague prevention work, two gaining special distinction in this last mentioned service.

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DR. P. C. KIANG

In addition to these new graduates, no less than thirty-two of the students and several members of the staff volunteered to assist in the famine district during the winter vacation, which was slightly lengthened in order to enable them to do so more effectively. This important work was continued by some members of the faculty throughout the spring term of 1921.

THE STAFF

In last year's report reference was made to the appointment of Dr. J. B. Neal, formerly Dean of the School of Medicine, as President of the University, and the hope was expressed that he might long be spared to assist in the teaching work and general direction of the institution. Unfortunately, this hope has not been realized. A serious illness, precipitated by constant hard work and strain, made it impossible for him to continue, and to everybody's infinite regret he was forced to resign from the University in June last. To his influence in helping to build up and organize the institution, and to his unfailing bonhomie and kindly courtesy, the University owes a debt which it can never forget, nor ever hope to repay.

Further losses have been sustained by the Medical School through the death, from cerebral tumor, of Dr. Charles Kirkland Roys, one of the founders of the School, and one of its most loyal supporters and workers; through

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THE HOSPITAL—NORTH FRONT

the resignations of Dr. Charles F. Johnson—a valued lecturer and one whose judgment and counsel have always been of the greatest service—and of the Rev. B. McOwan, instructor in English; and through the transference to a needy hospital sphere of Dr. William Fleming, who, since his appointment on the staff in 1912, has rendered laborious service in various capacities. The School is the poorer for the loss of these supporters.

On the other hand we are glad to record that in addition to the six new members of staff referred to in last year's report, all of whom have been in active work during the past months, the School has had the pleasure of welcoming the following new workers:

Dr. Henry W. S. Wright, M.B., M.S. (London), F.R.C.S. (Eng.). Graduate of University College, London, where he has held various important appointments. Had a valuable surgical experience during the war, and has held clinical assistantships at the West London Hospital, All Saints Hospital for Genito-Urinary Diseases, St. Peter's Hospital, and the Cancer Hospital, London. Dr. Wright will be attached to the surgical staff, with charge of the Genito-Urinary Department.

Mrs. Helena R. Wright, M.B., B.S. (London). Graduate of the London School of Medicine for Women. Resident appointments at Hampstead General Hospital and the Hospital for Sick Children, Great Ormond St., London; Surgical Registrar to Westminster Hospital; Medical Officer in charge of Surgical Wards, Bethnal Green Military

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A DORMITORY COURT



OUT-PATIENT DEPARTMENT

Hospital; Medical Officer for Maternity and Child Welfare, Borough of Bethnal Green; Clinical Assistant, Elizabeth Garrett Anderson Hospital for Women. Mrs. Wright is the first woman physician to be appointed to the Staff of the Medical School, and will direct the Department of Obstetrics and Gynecology.

Leroy F. Heimberger, M.D. Graduate of the School of Medicine of St. Louis University, St. Louis, Missouri. Until recently Superintendent of the Presbyterian Mission Hospital in Wei Hsien, Shantung. Special post-graduate work during 1921-22 in St. Louis, Missouri, as Assistant Dermatologist in the Skin and Cancer Hospital, and Assistant Physician in the Skin Dispensary of the Barnes Hospital and Washington University. After his return from the States, Dr. Heimberger will take over the Skin and Venereal Departments, and also, it is hoped, organize a special department for the study and care of lepers.

Dr. T. C. Pa. Graduate of Peking Union Medical College, where he has had eighteen months' post-graduate experience in ophthalmology. Dr. Pa comes to assist in the ophthalmic department, which Dr. Neal has been obliged to relinquish.

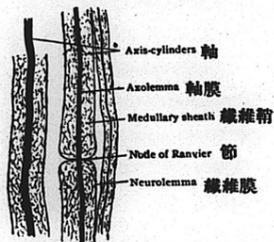
Of these new recruits, Dr. and Mrs. Wright are being supported by the Society for the Propagation of the Gospel, and Dr. Heimberger by the American (Northern) Presbyterian Mission.

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腦經纖維鞘之外有腦經纖維膜。此膜於每腦經纖維段 Internode 之適中處均有一核。

腦經纖維鞘
乃似脂質所成，考似脂質為參質之一種，能消於伊打 Ether 內，遇 Osmic acid 則顯黑色。鞘為腦經軸所產，故軸壞變，鞘即隨之。始於軸之近腦細胞一段生出，亦有遲延至二、三歲始成者，年齒愈長，其鞘愈厚。

第一百零五圖



MEDULLATED NERVE-FIBERS, AS SEEN IN LONGITUDINAL SECTIONS OF SPINAL NERVE. X 500.
From Pierson's Anatomy.

有鞘腦經纖維縱剖面內所見各物 (放大五百倍)

腦經末梢 Nerve Endings.

(一) **司覺末梢 Sensory endings** 腦經纖維出細胞後，漸漸伸長，終則離鞘，其軸即散佈於膚組織、結締組織及肌細胞之間而成末梢。此等末梢除在耳、目、舌，與他特司覺器之外，可分數種論之。

(甲) **獨立(遊離)末梢 Free endings** 司覺纖維一至表皮、眼角膜及口膚等處，即脫其鞘，經深層而至

PAGE FROM TRANSLATION BY PROFESSOR SHIELDS

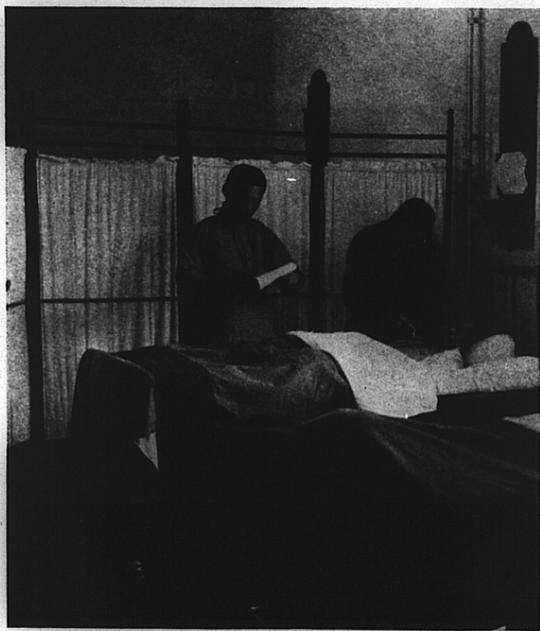
Two of our number—Dr. Shields and Dr. Braafladt—have left on furlough, but we have been glad to welcome Dr. Cochran and Mr. Pailing back amongst us.

The School of Medicine is now in the happy position of having secured the services of twenty full-time professors and associate professors, in addition to six others who are engaged in the important work of teaching the pre-medical subjects; but there still remain seven departments which require expert teachers (Preventive Medicine, Ophthalmology, Pharmacology, Surgery, Medicine, Dentistry, Otology, etc.), and there is an urgent need of additional income for the support of these men.

THE STUDENTS

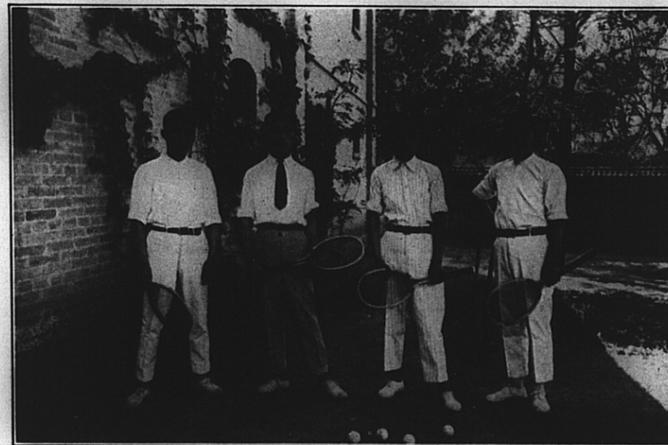
An excellent spirit has prevailed amongst the student body throughout the year, and in addition to their valuable work in the famine district, they have shown their growing sense of communal responsibility by the raising of funds for the relief of famine refugees, and by the carrying on of a successful night school for poor boys in the neighborhood. The Students' Christian Union (College Y. M. C. A.) has been reorganized on a satisfactory basis; voluntary Bible classes have been maintained as in previous years; and the evangelistic work of the School and Hospital has been well kept up.

In the field of athletics the most noteworthy event of the year was a large inter-collegiate Athletic Meet, which was organized by the Government authorities, and which was held on the University grounds. The leading colleges of the city all competed, but, somewhat



STUDENTS EXAMINING PATIENTS

unfortunately, the students of the University and of the one Mission High School in Tsinan absolutely outclassed all others and divided most of the points and honors between them.



THE FINALISTS IN DOUBLES

During the summer vacation a number of the students took part in Bible teaching, as organized by Dr. Robert C. Boville, Director of the Daily Vacation Bible School Movement. The following pleasing testimony was subsequently received from Dr. Boville:

NEW YORK, October, 1921.

Having visited the Shantung Christian University during April, 1921, and addressed the University students on the need of Evangelical Christian work during the summer in Daily Vacation Bible Schools, it gives me great pleasure to say that nowhere was there more remarkable response from the students.

One hundred and three men from the University volunteered for this work and gave two months' entirely free service during summer vacation. The Bible was taught daily in these schools by these men and in famine districts physical relief was given. Of the men volunteering from the Shantung Christian University, more than 60 were from the Medical Department, and Mr. Wu, a well-known Christian leader in the College, acted as Superintendent of the District.

This appeal for voluntary student ministry in summer holidays is, in my opinion, one of the severest tests of the Christian character of the training and of the missionary earnestness of the students. In this respect I found that Shantung Christian University stands in the forefront of Colleges in China.

(Signed) ROBERT C. BOVILLE,

Director of Daily Vacation Bible School Movement.

THE GRADUATES

Every year brings fresh testimony as to the valuable work which is being done in different parts of the country by graduates of the Medical School and of the other medical colleges now amalgamated with it. A large number of them have been assisting in mission hospitals or taking complete charge of them, whilst a small minority are in private practice or government service. Two of the number have proceeded to England for special post-graduate work. Of these Dr. F. Y. Pan is specializing in surgery and is at present at St. Bartholomew's Hospital, London, whilst Dr. C. H. Han, after completing two years' resident appointments at the Peking Union Medical College Hospital, has gone to Cambridge for special work in preventive medicine.



OUR MEDICAL GRADUATES AT WORK IN CHINA

PRE-MEDICAL STUDY

The adoption of a two-year laboratory course of scientific study (Chemistry, Physics and Biology), previous to entering upon the medical course proper, as recommended by the Council on Medical Education of the China Medical Missionary Association, is having a most important influence upon the preparation of students in such schools as have been able to take such a step. In Tsinan we are peculiarly fortunate in possessing one of the best equipped Pre-medical Departments in the country, in connection with the School of Arts and Science of the Shantung Christian University. This branch is under the leadership of Professor W. H. Adolph, Head of the Department of Chemistry, who is ably assisted by Prof. H. W. Harkness (Professor of Physics), Mr. G. D. Wang, B.Sc., and Mr. David Yang. A new biologist has been added to the staff within the year—Mr. A. P. Jacot, of Cornell University—who will be assisted by Mr. H. T. Chin.

TRANSLATION DEPARTMENT

The essential task of preparing and translating modern medical books in Chinese has been continued throughout the year, the department being greatly strengthened by the return from furlough of Dr. P. L. McAll, and by the excellent assistance given by various Chinese translators, amongst whom some of our own students are now taking a conspicuous place. In this connection two events are specially worthy of mention, namely, the appearance of the first issue of the Tsinan



A WARD IN THE HOSPITAL

Medical Review—a quarterly medical journal in Chinese, compiled by members of the staff and of the student body, and the publication of the first medical translation produced entirely by one of the students. This latter is Professor Reese's "*Introduction to Vertebrate Embryology*," which has been translated into Chinese by Mr. L. D. Ting.

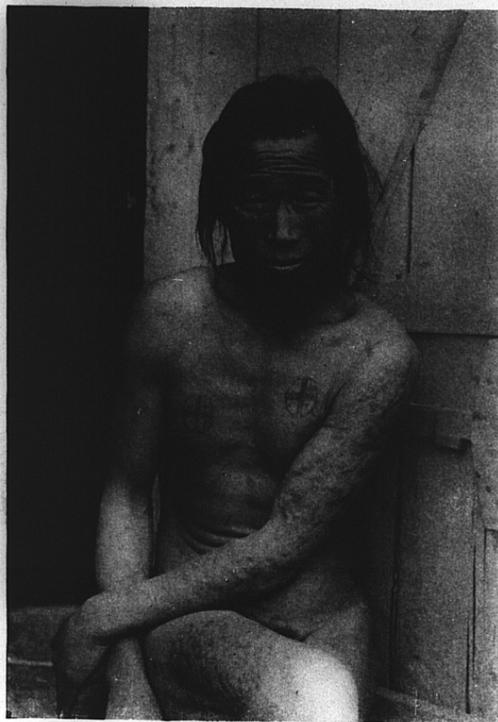
Dr. Gillison has given his whole year to the completion of Cunningham's *Manual of Practical Anatomy*, whilst other books of importance are also in course of preparation or revision.

Upon the successful work of the Translation Department and the production of an adequate number of scientific works in the Chinese language, the future of the new Chinese medical profession will largely depend, and the importance of this branch of the undertaking cannot be exaggerated.

UNIVERSITY HOSPITAL

The work of the hospital has been carried on uninterruptedly throughout the year under the superintendence of Dr. E. R. Wheeler. Dr. W. McClure and Dr. E. B. Struthers—our Canadian representatives—have had charge of the medical wards, with the able assistance of Dr. P. C. Kiang and, latterly, of Dr. F. H. Mosse, whilst Dr. Wheeler and Dr. Thornton Stearns have been responsible for the surgical side of the work. The opening of the X-Ray and Electro-Therapeutic Department has unfortunately been delayed, owing to the damaged condition of various parts of the apparatus, but Dr. Ellis is expecting to be in a position to commence operations during the autumn term, 1921.

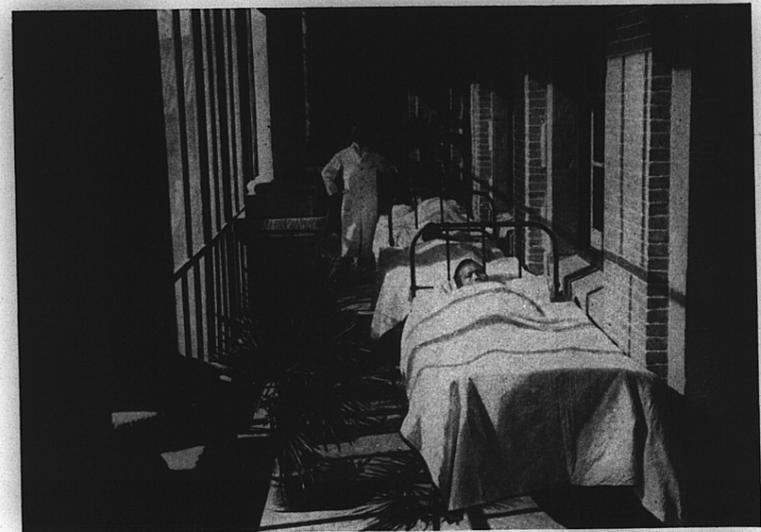
The wards have as usual been crowded, and, as has so often been stated, the need of increased accommodation becomes more serious every year. It is impossible to discharge our duty to our students or nurses, to say nothing



A MORPHIA VICTIM
Notice Marks of Needle

of the community, whilst our available beds are so few, and unlimited opportunities for extending the missionary service of the hospital are being lost for the same reason.

Miss Logan, the Superintendent of Nurses, was welcomed back from furlough at the end of 1921, but as the Misses Dinkelacker left for America in the spring of 1921, and no one has yet been appointed to take the place of Mrs. Ratcliffe, the heavy responsibilities connected with the charge of the Training School are falling wholly upon Miss Logan and Miss Pollard for the present. Over forty



PATIENTS ENJOYING SUN-TREATMENT ON THE
HOSPITAL VERANDA

Chinese nurses have been in training during the year, whilst seven have completed their course and passed the examination of the Nurses' Association of China. These nursing graduates are giving an excellent account of themselves nowadays, and there is no question that the new nursing profession is winning increasing reputation and opportunity throughout the country.

BUILDINGS AND EQUIPMENT

Through the energetic and devoted services of Mrs. Charles K. Roys, a sum of approximately \$13,000 gold has been received during the past year towards the erection of a much needed Nurses' Home, which is to be a memorial to Miss Caroline B. Davis, formerly of the First Presbyterian Church of Pittsburgh, Pa.

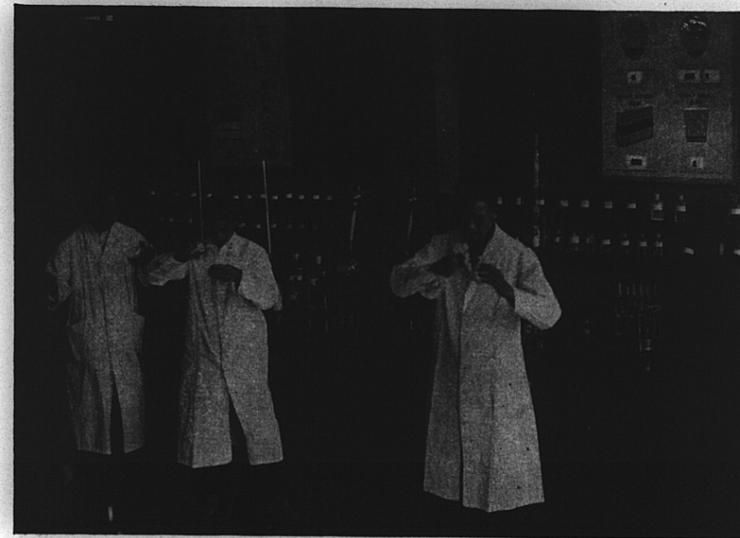
A sum of over \$2,000 gold has also been received through friends of Dr. Samuel Cochran, for the purchase of additional equipment in the Laboratory of Bacteriology.

The need of large additional funds is, however, a most urgent one. A further laboratory block is needed at once, if students are to be properly taught, whilst even more serious is the question of extended hospital accommodation, to which reference has already been made. We appeal most earnestly for funds to meet these requirements.

PROSPECTS AND PROBLEMS

The serious financial conditions which are affecting every country as the aftermath of the great war create anxious problems for an institution that is confronted with pressing claims and great opportunities. It is these conditions which are largely responsible for the difficulty that has been experienced in securing funds for the completion of the Medical School and Hospital buildings, and the support of the remaining members of the Staff. At the present stage of medical education in China it is of the utmost importance that standards should not be allowed to drop, particularly in schools based upon a

religious foundation, but the maintenance of modern standards necessarily involves an adequate staff and equipment. The co-operating Mission Boards have continued their grants towards the upkeep of the School, and the generous subsidy of the China Medical Board has enabled us to complete the year without a deficit, but we have now reached the termination of the five-year period over which the China Medical Board grants were spread,



IN THE LABORATORY OF BIO-CHEMISTRY

and the need for securing a broader basis of financial support thus becomes the more serious.

It is with much gratification that we can report that the Shantung Provincial Assembly has already made their first financial contribution (Mex. \$5,000) towards the support of the work. This, we have reason to hope, will not merely become an annual gift, but will also lead to

larger contributions from Chinese sources. Meanwhile, Mr. Roger Greene, Resident Director of the China Medical Board, whose sympathy and counsel have been so large a factor in the development of our Medical School, has generously recommended that a further grant be made to our funds for the ensuing year. If, however, the School is to be maintained at a proper level, it is essential that its financial support should be strengthened,



PREPARING BACTERIOLOGICAL MEDIA

and we appeal to all friends of the work—the co-operating Missionary Societies, our Chinese contributors, and sympathizers in the home lands—to assist us in our task by augmenting, where possible, their contributions, and by widening the circle of those who believe in this enterprise, and are prepared to help it forward by intercession and sacrifice or by personal service.

HOSPITAL STATISTICS

Detailed statistics of the medical and surgical work of the University Hospital will be found in the Hospital Report, which is published separately. The following is a summary of the total figures:

In-Patients:

Men	847	Medical	493
Women	313	Surgical and Ophthalmic	696
Children	72	Obstetrical	43
	<u>1232</u>		<u>1232</u>

Operations:

Under general anæsthetic	716
Under local anæsthetic or without anæsthesia	<u>1235</u>
	1951

Out-Patients:

<i>Medical</i>				
New Patients, Male	2,723	Female	1,044	3,767
Return Visits, Male	3,338	Female	1,032	<u>4,370</u>
				8,137

<i>Surgical</i>				
New Patients, Male	4,288	Female	1,489	5,777
Return Visits, Male	9,223	Female	9,352	<u>18,575</u>
				24,352

<i>Ophthalmological</i>				
New Patients, Male	1,210	Female	484	1,694
Return Visits, Male	<u>2,221</u>	Female	<u>1,014</u>	<u>3,235</u>
	23,003		14,415	<u>37,418</u>

FINANCIAL STATEMENT

School of Medicine and Hospital Combined

For 15 months, April 1, 1920—June 30, 1921.
(Note: During this period the close of the Fiscal Year
was moved forward three months, from March 31st to
June 30th.)

Summary of Receipts

American Presbyterian Mission, North	\$ 8,100.00
English Baptist Mission	10,329.00
Canadian Presbyterian Mission	1,250.00
Anglican Mission	1,500.00
American Presbyterian Mission, South	2,392.50
London Missionary Society	2,000.00
Lutheran Mission	1,796.22
Wesleyan Missionary Society	3,163.23
China Medical Board Grants	20,933.57
Special Gifts, U. S. A.	1,059.11
China Medical Board Current Funds	51,037.51
Student Fees	2,046.50
Provincial Assembly of Shantung	5,000.00
Miscellaneous	76.16
Hospital—Subscriptions and Fees	8,853.10
" Samaritan Fund	158.05
" Drugs	3,321.17
" Food from Kitchen	9,170.62
<i>Total Receipts</i>	\$132,186.74

Summary of Expenditures

School of Medicine	
A. Administration	\$ 4,190.10
B. Instruction	14,426.01
C. Maintenance	11,868.53
	30,484.64
University Hospital	50,664.59
China Medical Board Funds	51,037.51
<i>Total Expenditures</i>	\$132,186.74

The above financial statement does not include the Receipts and Expenditures from the various co-operating Missionary Societies for the Salaries and Maintenance of the Foreign Members of the Staff, amounting to approximately \$70,000.00 Mex. for 12 months.

Inquiries for information or contributions for the
Institution may be addressed to

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