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SHANTUNG
CHRISTIAN
UNIVERSITY
BULLETIN

No. 16.

Minutes of Field Board of Managers
December 1919 - January 1920



THE UNIVERSITY PRESS
TSINAN

MINUTES OF THE FIELD BOARD OF MANAGERS

SHANTUNG CHRISTIAN UNIVERSITY

FIELD BOARD OF MANAGERS

Members By Election:

Rev. Paul R. Abbott, American Presbyterian Mission, North.

Rev. A. G. Castleton, English Baptist Mission.

The Right Rev. Bishop Iliff, D. D., Church of England Mission.
Rev. Henry Mathews, Alternate.

Rev. John Griffith, Canadian Presbyterian Mission of Honan.

A. C. Hutcheson, M. D., American Presbyterian Mission, South.

Rev. C. G. Sparham, London Missionary Society.

Rev. O. R. Wold, Lutheran United Missions.

Edward Cundall, M. B., Wesleyan Methodist Missionary Society.
Mr. G. J. Harter, Alternate.

Mr. K. K. Yuan, Alumni Association.

Members By Co-option:

Rev. J. Walter Lowrie, D. D.

Mr. Paul MacEachron.

Rev. Cheng Ching Yi, D. D.

Member Ex-officio:

James Boyd Neal, M. D., President of the University.

SHANTUNG CHRISTIAN UNIVERSITY

FIELD BOARD OF MANAGERS

Third Meeting of the Board, Tsinan, Dec. 29th, 1919—Jan. 5th, 1920.

69. Members Present.

Messrs Abbott, Castleton, Griffith, Harker for Cundall, Lowrie, MacEachron, Neal, Sparham, Yuan.

A letter of apology was received from the Rev. Henry Mathews explaining his inability to be present.

70. Corresponding Members.

The Rev. G. T. Scott, Secretary of the North American Joint Board, Dr. R. Fletcher Moorshead, Secretary of the British Joint Board and Dr. Arnold C. Ingle, President of the English Baptist Medical Missionary Auxiliary, were invited to sit with the Field Board of Managers as corresponding members. Dr. C. F. Johnson and Rev. A. J. Garnier were also invited to sit as corresponding members.

71. Administrative Council Representatives.

Voted: That Messrs Yuan and Abbott be elected members of the Administrative Council to serve for this session.

72. Presentation of Reports.

The following presented reports of the various Schools and Departments.

Dr. R. T. Shields, Acting Dean of the School of Arts and Science.

Dr. Harold Balme, Acting Dean of the School of Medicine.

Rev. John D. MacRae, Acting Dean of the School of Theology.

Rev. John S. Whitewright, Director of the Extension Department.

I. STAFF

73. President; Dean of the School of Medicine.

Voted: That this Field Board of Managers cordially and unanimously invites Dr. James Boyd Neal to accept the position of President of the Shantung Christian University; and Dr. Harold Balme to accept that of Dean of the School of Medicine.

74. Expression of Thanks to Dr. R. T. Shields.

Voted: To express to Dr. Shields our full appreciation of the efficient and acceptable service he is rendering as Acting Dean of the School of Arts and Science, and to write a letter of explanation and gratitude to his Mission and Home Board.

75. Dean of the School of Arts and Science.

Voted: That Dr. Harold Balme be requested to go to Peking, representing the Field Board of Managers, to again invite Rev. W. H. Gleysteen to accept the position of Dean of the School of Arts and Science.

(Later) In view of the telegram received from Mr. Gleysteen stating his willingness to come to Tsinan provided Mr. Wells of Weih sien be sent to Peking, the Field Board of Managers expresses to Mr. Gleysteen its appreciation of the sympathetic consideration that he has given to the Board's invitation to him to accept the Deanship of the School of Arts and Science and respectfully asks the China Council of the Presbyterian Mission to use their good offices in so negotiating the situation as to make it possible for Mr. Gleysteen to accept the position.

Voted: That copies of the above resolution be sent to Mr. Gleysteen and Dr. Lowrie.

76. Acting Dean of School of Arts and Sciece.

Voted: That, the question of the Deanship of the School of Arts and Science being as yet unsettled, the President be asked to undertake the responsibilities of Acting Dean for the spring semester of the present year.

77. Acting Dean of the School of Medicine.

Voted: That the appointment of an Acting Dean of the School of Medicine, to fill the vacancy that will be caused by the furlough of Dr. Harold Balme, be left to the Faculty of the School of Medicine and the Senate, with power to act, with the understanding that it be reported to the Field Board of Managers for confirmation at its next meeting.

78. University Press Superintendent.

Voted: That, upon Mr. Cassat taking his furlough, we ask Mr. Hunter to superintend the University Press.

79. Invitation to Rev. L. V. Cady.

Voted: That, in accordance with the Senate's recommendation, and upon the unanimous approval of the Sub-Committee of the School of Theology, a cordial invitation be extended to the Rev. L. V. Cady to join the Staff of the School of Theology, duties to begin with the autumn semester of 1920.

80. Appointment of Dr. P. C. Kiang.

Voted: That Dr. P. C. Kiang be appointed Associate professor of Physiological Chemistry on the Faculty of the School of Medicine.

81. Appointment of Mr. Frank E. P. Kwoh.

Voted: That Mr. Frank E. P. Kwoh be appointed Associate Professor of English on the Faculty of the School of Arts and Science.

82. Assistant to the Treasurer.

Voted: That we recommend to the North American Joint Board that the services of an assistant to the Treasurer and Registrar be secured for a term of three or five years at a salary of Mex. \$100. per month, with travel expenses amounting to not more than \$400. Gold each way, and that Mr. Cassat be authorized, in consultation with the Joint Board, to secure this man, and, if possible, the necessary funds.

83. Vacancies on Staff.

B Inasmuch as serious vacancies in the foreign staff of the University greatly cripple the work of various departments, the American Presbyterian Mission and Board and the English Baptist Mission and Board are strongly urged to supply as soon as possible their full quotas, particular attention being called to the dangerous depletion of the Presbyterian staff in the Schools of Theology and Medicine and of the Baptist Staff in the School of Arts and Science. The Secretaries of the two Joint Boards are requested to impress upon their Boards the vital importance of this matter.

84. School of Theology and the A.P.M.

Voted: That the Rev. C. G. Sparham and Dr. R. Fletcher Moorshead serve as a committee to write a letter to the Shantung Presbyterian Mission expressing our sincere and earnest hope that they will continue their co-operation in the School of Theology in the University.

85. Chinese Members for the Administrative Staff.

B *Voted:* That a Committee be appointed to consider the securing of Chinese members for the Administrative Staff of the University, to report to the Field Board of Managers.

Committee: Dr. Neal, Dr. C. Y. Cheng, Dr. Balme, Dr. Shields and Mr. MacRae.

86. Terms of Service and Furlough.

B *Voted:* That we recommend that representation be made to the Joint Boards, urging that, in the interests of efficiency, the term of service of foreign members of the Faculties be regarded as five and one-half years, to be followed by a short furlough, usually involving absence from the University of not more than eight or nine months, and that during this furlough period every possible facility be granted for procuring post-graduate study.

B *Voted:* That special furlough periods for post-graduate study shall be granted to Chinese members of the Faculties on the recommendation of the Senate, and at the discretion of the Field Board of Managers.

II. PROMOTION

Promotion of University Interests in the Home Lands

87. Rev. J. Percy Bruce, M.A.

Voted: That we urge the British Joint Board to secure if possible the services of the Rev. J. Percy Bruce, M. A., to promote the interests of the University, financial and otherwise, in Great Britain.

88. Rev. W. M. Hayes, D.D.

Voted: That we cordially invite the Rev. W. M. Hayes, D. D., during his furlough period in America, in consultation with the North American Joint Board, to devote as much time as possible to the promotion of University interests.

89. Dr. Harold Balme.

Voted: That we request Dr. Harold Balme, in consultation with the British Joint Board, to devote as much time as can be spared during his furlough period to the promotion of University interests. **B**

Voted: Further, that we request Dr. Balme to spend two months in America on his way home to England with a view to furthering the interests of the University, in consultation with the North American Joint Board. We express the hope that the American Joint Board may be able to see its way to covering the extra expense incurred. Failing this, such expenses are to be chargeable to General University accounts. In order to meet a possibility of having to pay Dr. Balme's expenses from University funds we agree to add an item of Mex. \$1000. to the University Estimates under General University account A. 4. "Contingent to meet Dr. Balme's Travel, \$1,000."

90. The Treasurer.

Voted: That we request the Treasurer, in consultation with the North American Joint Board, to devote as much time as can be spared during his furlough period to the promotion of University interests.

91. Rev. Albert G. Parker.

B *Voted:* That, in answer to the letter of the Rev. Albert G. Parker asking for permission to raise funds for the Department of Sociology, we authorize him, in consultation with the North American Joint Board, to proceed to the securing of these funds up to \$1,000. Mexican annually.

92. Home Representatives.

B *Voted:* That we believe that it is essential to the progress of the University that representatives in Great Britain and North America be secured who shall devote their time to the furtherance of all interests of the University, working in consultation with the respective Joint Boards, with salary and expenses met from the funds which they raise for the University.

III. FINANCE

93. Finance and Property Committee.

The actions of the Finance and Property Committee meeting of October 15th 1919, as reported in their minutes, were approved.

94. Instructions Regarding 1919-1920 Deficit.

Voted: That, in view of the heavy deficits for the current year on the General University accounts and the accounts of the School of Arts and Science, we instruct those in charge of these accounts that no further expenditure be made against them for the remainder of the current fiscal year except in payment of services or goods already arranged for, or as authorized by the Finance and Property Committee.

95. General University Deficit of 1919-1920.

Voted: That the General University deficit on March 31st 1920 be charged against the accounts of the different schools in the following proportion:

School of Arts and Science	53.9%
School of Medicine	37.5%
School of Theology	8.6%

96. Arts-Theological Joint Accounts Deficit 1919-1920.

Voted: That the deficit on the Arts-Theological Joint Accounts be charged against the accounts of the two schools concerned in the following proportion:

School of Arts and Science	86.2%
School of Theology	13.8%

97. Appeal to Joint Boards.

B *Voted:* That, as soon as the definite amounts of the deficits for the current fiscal year on the accounts of the School of Arts and Science and the School of Theology are ascertained, statements showing these amounts, together with explanations for the incurring of these deficits, be forwarded to the Joint Boards with an urgent request that special funds be secured to meet them.

98. A.P.M. Student Aid Fund 1918-1919.

Voted: That the deficit for 1918-1919 on the food account of Presbyterian Theological students amounting to \$171.55 be paid out of the special fund of Gold \$250.00 or Mex. \$301.39 contributed by Mrs. Nettie F. McCormick for that purpose, and that the balance so remaining of \$129.84 be transferred to the Treasurer of the Shantung Presbyterian Mission.

99. A.P.M. Student Aid Fund 1919-1920.

Voted: That the balance on the account of the Presbyterian Theological Student Aid Fund for 1919-1920, amounting to \$264.95 be transferred to the Treasurer of the Shantung Presbyterian Mission.

100. E.B.M. Student Aid Fund 1919-1920.

Voted: That any balance on the account of the English Baptist Mission Theological Student Aid Fund 1919-1920 be transferred to the Treasurer of the Shantung Conference of that Mission.

101. A.P.M. Literary Assistant Grant.

Voted: That, of the \$304. granted for Literary Assistants in the Theological appropriations of 1919-1920, \$156. or any unexpended balance thereof, be transferred to the Mission Treasurer of the Shantung Presbyterian Mission for the use of Dr. Hayes, the balance being retained by the School of Theology. This action is taken with the understanding that it shall not prejudice the future in similar cases.

102. Theological Student Aid Fund.

Voted: That the following recommendation of the Senate be approved:— "That we recommend to the Field Board of Managers that the grant of the E. B. M. of \$700. for Student Aid in the School of Theology, and the appropriation of the A. P. M. of \$431. for the same purpose, formerly used to pay the boarding expenses of their students, be returned to the respective Missions, and that the boarding expenses of the Theological students be handled as in the School of Arts and Science, where each student at the first of the semester makes a deposit for board account, expenditure on the account being approved by the Dean and student representatives, and any balance being refunded to the students at the end of the semester. This to go into effect April 1st, 1920."

103. Mission Items on Theological Budget.

Voted: That on the Budget for the School of Theology the items of \$175. for Vacation Evangelism, B. M. S. only, and of \$304. for Literary Assistants, A. P. M. only, be omitted and that these sums be transferred to the Treasurers of the respective Missions, these items to appear no more on the University Budget as they are distinctively Mission matters.

104. Audit.

Voted: That Mr. Cassat, in consultation with the Finance and Property Committee, be empowered to arrange for an audit of the Treasurer's accounts.

105. Chinese and Foreign Advisory Committee for the Hospital.

Voted: The Board notes with interest the proposal to form a Chinese and Foreign Advisory Committee for the Hospital and desires to encourage the promotion of this commendable plan.

106. Local Support.

Voted: That a committee be appointed to act with the Senate in organizing and putting into operation measures for securing additional indigenous financial support of the University. B.

Committee: Dr. Wheeler, Chairman, Dr. Neal, Messrs Yuan, Burt, Abbott,

107. Annual Minimum Grant by Contributing Missions.

Voted: That the Field Board of Managers would respectfully request the Joint Boards in Great Britain and North America to seek the consent of all Boards concerned to a ruling that the minimum annual contribution from a co-operating mission to any school shall hereafter be Mex. \$1,000. instead of Gold \$500. or £100. B.

108. Tuition Fees for All Students.

Voted: That Tuition Fees be charged to all new students registering in the University after September 1st, 1920. B.

109. New Schedule of Fees.

Voted: That the schedule of University Fees be revised as follows: B.

A. FEES.

Due at the beginning of each semester in local currency. To take effect for all NEW students from September 1920, and to hold good for two years.

TUITION.

Arts and Science—Arts and Science Course	\$15. per semester.
Pre-Theological Course	\$10. per semester.
Pre-Medical Course	\$20. per semester.
Theology.....	\$10. per semester.
Medicine.....	\$20. per semester.

ATHLETIC.

All Schools.....	\$ 1. per semester.
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DORMITORY.

Medicine \$ 2. per semester.

BREAKAGE DEPOSITS. General and Laboratory.

Arts and Science—Arts and Science Course	\$ 3.	annually, payable in Fall
Pre-Theological Course	\$ 2.	"
Pre-Medical Course	\$ 5.	"
*Chemistry and Physics Laboratory	\$ 3.	"
Theology	\$ 1.	"
Medicine	\$ 5.	"

*Additional deposit to be paid only by students in the Arts and Science Senior Course majoring in Chemistry and Physics.

B. FEES.

Due at the beginning of each semester in local currency. To take effect for all students who have entered in 1920 or thereafter. This schedule to begin from September 1922.

TUITION.

Arts and Science—Arts and Science Course	\$20. per semester.
Pre-Theological Course	\$15. per semester.
Pre-Medical Course	\$25. per semester.
Theology	\$15. per semester.
Medicine	\$25. per semester.

110. E.B.M. and A.P.M. Students.

Voted: That for English Baptist Mission students and American Presbyterian Mission students in both the School of Arts and Science and the School of Theology the fees for new students shall be set at \$5. per semester for 1920 and increased to \$10. per semester for 1921. After this date the general tuition fees of the University shall apply to both English Baptist students and American Presbyterian students.

111. Temporary Assistance to E.B.M. and A.P.M. Students.

Voted: That for the Academic years 1920-1921 and 1921-1922 there shall be set aside for the American Presbyterian Mission and English Baptist Mission from the receipts of the University a sum equal

by half the total fees which the new students from those Missions in the Schools of Arts and Science and Theology are expected to pay, this sum to be apportioned by each Mission towards the remission of such portion of the fees of each student as in its judgment is wise and just, it being understood that these grants shall cease at the expiration of this time.

112. Notification Regarding Changes in Fees.

Voted: That an intimation be printed in the calendar notifying students that fees may be raised at any time at the discretion of the Field Board of Managers.

IV. PROPERTY AND BUILDINGS

113. Architects.

Voted: That the engagement of Architects be not proceeded with at once, but that the question be referred to the Finance and Property Committee to report to the next meeting of the Field Board of Managers.

114. Appeal for Theological Building.

Voted: That, deeply sympathising with the desire of the authorities of the School of Theology to have a building for their School at the earliest possible moment, we would urgently request the Joint Board in Great Britain to make every effort to provide funds for the erection of such a building in 1920.

115. Appeal for University Chapel.

Voted: That we earnestly request the North American Joint Board to secure funds for the erection of the greatly needed Chapel in 1920.

116. Construction Committee Theological Building and Chapel.

Voted: That the President and Messrs Castleton and MacRae be a committee on the construction of the Theological Building and the Chapel.

117. Construction Committee New Residences.

Voted: That Messrs Lair, MacRae and Cady be a committee on new residences to be erected during 1920.

118. S.P.G. Hostel Site.

The Society for the Propagation of the Gospel, being desirous of securing a legal title to the site on the campus of their mission Hostel, the Field Board is of opinion that the site in question should not be alienated from the deed for the whole campus now held by the American Presbyterian Board of Foreign Missions but that the American Presbyterian Board of Foreign Missions and the Society for the Propagation of the Gospel should exchange legally drawn memoranda showing that the use of the site in question is transferred and giving the conditions agreed on for the transfer. The Field Board is further of opinion that a similar procedure should be followed in all similar cases. The President is asked to correspond with the Chairman of the British Joint Board asking him to communicate with Bishop Iliff, now in England, and if possible arrange for a settlement of this question on the lines suggested.

119. Insurance of University Property.

Voted: That we approve of the action taken in insuring the property of the University for one year at a cost of \$930.

Voted: Further, that Mr. Sparham and Dr. Lowrie be a committee to consider, in correspondence with the President, the question of insuring the whole University property.

120. Fire Protection Apparatus.

Voted: That the Finance and Property Committee be instructed to purchase fire protection apparatus for the buildings outside the suburb wall at a cost of not more than \$300.

121. Gas Reservoir and Needs of Power Plant.

Voted: That the question of a Gas Reservoir and improvements on the Power Plant be referred to the Finance and Property Committee.

V. THE CONSTITUTION B.

122. Adoption of Permanent Constitution.

Voted: That the discussion of the provisional constitution and the adoption, if possible, of a permanent form, be given an early place on the agenda of the June meeting of the Field Board of Managers.

The following provisional amendments to the Constitution are suggested by the Field Board of Managers.

123. The President.

Voted: That Article 1, Section 3, be amended as follows:

"The President of the University shall be ex-officio member of the Field Board of Managers, and Secretary thereof, with the right to move and second resolutions, but without voting power."

124. Chairman of Field Board.

Voted: That in Article 1, Section 5, the following words be added after the word "Quorum:" "The Field Board of Managers shall elect annually a voting member as Chairman."

125. Chairman of Administrative Council.

Voted: That in Article 3, Section 2, the last clause be deleted and the following clause be added: "The Chairman of the Field Board of Managers shall also be chairman of the Administrative Council."

126. Sub-Committees for Schools.

Voted: That Article 2, Section 10, be amended to read as follows:

"It shall appoint a sub-committee for each school which shall have a special responsibility for the internal conduct of that school, this committee to be composed of the members elected to represent the missions co-operating in that school, with power to nominate for co-option not more than two additional persons, either Chinese or foreign. All appointments to the teaching staff of each school shall be made only on recommendation from, and approval by, the sub-committee concerned."

127. Orders on Treasurer.

Voted: That the minute of the Administrative Council 07, Sub-section "i", be amended by adding the following words:

"Except as contemplated in Article 13, Section 3, of the Constitution."

128. Agenda for Meetings.

Voted: That the Chairman and Secretary of the Field Board of Managers be responsible for the preparation of the agenda for the meetings of the Field Board of Managers and the Administrative Council.

129. Method of Election of Alumni Representatives.

Voted: That the Registrar be instructed to send to each Alumnus of the University a list of the English-speaking Alumni. From this list each alumnus shall vote for two men as members of the Field Board of Managers and the two receiving the highest number of votes shall be considered elected as members of the Field Board of Managers.

130. Church Representation on the Field Board of Managers.

Voted: That we request the Rev. C. G. Sparham to prepare a minute suggesting a basis for church representation on the Field Board of Managers, to be presented to the Board at its June meeting.

131. Criticism of Constitution.

Voted: That we refer the Constitution, as printed in Bulletin No. 15, to the Senate for criticisms and suggestions, report to be made to the June meeting of the Field Board of Managers.

VI. SCHOLASTIC AND GENERAL

132. Translation Bureau.

Voted: That a committee be appointed to take into consideration the whole matter of translation work in connection with the University and report to the Field Board at its June meeting.

Committee: Dr. Gillison, Mr. MacRae, Dr. Heeren.

133. Industrial Education; Agriculture.

Voted: That we recommend that the University should not at present plan for Departments of Agriculture or Industrial Education.

134. Normal Training; Education.

Voted: That, in the Junior Division of the School of Arts and Science, the students should be given a greater opportunity to take

electives in Normal Training or in Education. We also urge the speedy appointment of a specialist to teach such courses.

135. Library Book List.

The Librarian is requested to make a list of books and periodicals especially desired by the University and effort is to be made to secure these books as a donation.

136. Request for U.S.A. Government Publications.

Voted: That the North American Joint Board be requested to secure, if possible, for the University Library the privilege of becoming a Government Depository for publications of the U. S. A. Government which are of value to the University.

137. Request for British Government Publications.

Voted: That the British Joint Board be asked to take steps to secure, if possible, from H. M. Government that copies of all official papers whether issued by the Central Government or by the Dominion or Colonial Governments, referring to Education, Agriculture, Afforestation or other matters of general University interest, be supplied to the Library of the Shantung Christian University.

138. Entrance Examination Centres.

Voted: That, beginning with the June 1920 Entrance Examinations, the examination questions be not sent to each and every school requesting them, but that the Entrance Examinations be given at such designated centres as the University shall decide upon, and that these examinations be supervised, wherever practicable, by a member of the University staff.

Voted: That, further, we recommend that for the June 1920 Entrance Examinations these centres be as follows:

Tsinan	Shanghai
Tsingchoufu	Foochow
Weihsien	Weihsien, Honan
Chefoo	Hsuchoufu, Kiangsu.
Peking	Taiyuanfu, Shansi.
Hankow	Sianfu, Shensi

139. **Scripture and Entrance Examinations.**

Voted: That the question of the Entrance Examinations be referred back to the Academic Board with the suggestion that there be obligatory and elective subjects, and that scripture should be placed among the electives but with an added note stating that this subject is obligatory on candidates coming from a Christian School.

140. **Study of Entrance Examinations in America.**

Voted: That the Registrar of the University be commissioned, while in America, to make special study of the newer systems of Entrance Examinations now being introduced into American Universities, with special reference to the Thorndike Intelligence Tests, and that an estimate of \$100.00 for expenses in connection with this work be included in the Budget for 1920-1921.

141. **Study of Entrance Examinations in Great Britain.**

Voted: That Dr. Balme be commissioned to make investigations in Great Britain in regard to the newer systems of Entrance Examination.

142. **Application to American Association Collegiate Registrars.**

Voted: That we approve the recommendation of the Registrar that this University requests admittance to the American Association of Collegiate Registrars, that the Registrar be our representative, that necessary fees be paid from the General University Administration account, and that if the Registrar be able to attend the 1920 meeting of the Association his expenses up to \$25. be paid from the same account.

143. **Application to Association of Business Officers.**

Voted: That we approve the recommendation of the Treasurer that this University request admittance to the Association of Business Officers of State Universities and Colleges, that the Treasurer be our representative, that the necessary fees be paid from the General University Administration account and that if the Treasurer be able to attend the 1920 meeting of the Association his expenses up to \$25. be paid from the same account.

144. **Representation on British Associations of Registrars and Treasurers.**

Voted: That Dr. Harold Balme be asked to secure information while in Great Britain as to how the University may best be represented on Associations of Registrars and Treasurers of British Universities.

145. **Bursaries and Scholarships.**

Voted: That a committee of three be appointed by the Board to bring in recommendations to the next meeting of the Board in regard to Bursaries and Scholarships,

Committee: Mr. Castleton, Mr. MacRae and Mr. Lair.

146. **Charter for The University.**

Voted: That the Rev. G. T. Scott, Dr. R. Fletcher Moorshead and Dr. A. C. Ingle be asked to make such enquiries, and, in consultation with the Joint Boards, take such steps as may be necessary to secure a charter; and, if possible, recognition both in Great Britain and America for the degrees granted by the University.

147. **West Suburb Preaching Hall.**

Voted: That the possible relation of the West Suburb Preaching Hall to the University be determined after consultation with the Shantung Conference of the English Baptist Mission.

148. **Soldiers' Institute.**

Voted: That while sympathizing with the work of the Soldiers' Institute, and while entirely willing that those in charge of the Extension Department should devote time to the superintendence of this Institute, the Field Board of Managers does not see its way clear, at present, to assume any responsibility, financial or otherwise, for the Soldiers' Institute; and recommend that the whole matter be referred to a future meeting of the Field Board of Managers.

149. **City Evangelistic Centre.**

The following report of a Sub-Committee was adopted:

The Sub-Committee report that they have had an interview with the Rev. J. D. MacRae respecting the estimate for a City Evangelistic Centre which has been included in the Budget of the Theological School for 1920-1921. They recommend that the Board record their full sympathy with the desire of the Theological Faculty to give practical evangelistic training to their students. In view, however, of the serious expenditure that would have to be incurred were this estimate endorsed, and for which at present there is no financial provision, and, in view also of the possibility of means being found for utilizing existing facilities in the Extension Department, the Sub-Committee further recommend that the matter be referred to the Theological Faculty, with the suggestion that further consideration should be given to the proposal, and that when the Rev. E. W. Burt, Dean of the School, has returned, a special conference should take place upon the subject between the Theological Faculty and the Staff of the Extension Department.

150. Request from the Foreign Community.

The request from representatives of the foreign community of Tsinanfu for land for a cemetery was sympathetically received. But in view of the almost certain extension southwards of the University, the Field Board of Managers considers that it would be unwise to set aside the plot of land requested for the purpose. The Board would however consider a further request from the association committee for a piece of ground less centrally located, provided no other suitable plot can be obtained by them.

151. English Presbyterian Mission and British Deputation.

Voted: That the Board, being very desirous of securing the co-operation of the English Presbyterian Mission in the School of Medicine or other Schools of the University, respectfully asks Dr. Moorshead and Dr. Ingle, if possible, to arrange to call upon the missionaries of that Society at Swatow and endeavor to secure their sympathy in the matter.

152. University Supplies.

The Treasurer is instructed when on furlough to inquire into the question of securing University supplies upon the best possible terms.

153. Affiliation with Hamilton Academy.

On the question of the affiliation with the Hamilton Academy, it was voted that a committee of three be appointed to confer with those concerned and report to the June meeting of the Board. The Committee consists of Messrs Johnson, MacEachron, and Castleton.

154. Vote of Appreciation.

Voted: That we inscribe on the minutes the gratitude of this Board for the timely and gracious presence at this meeting of Dr. R. Fletcher Moorshead, Secretary of the British Joint Board, Rev. G. T. Scott, Secretary of the North American Joint Board, and Dr. Arnold C. Ingle, President of the English Baptist Medical Missionary Auxiliary, and hereby express our deep appreciation for their sympathetic and helpful counsel.

155. Election of Vice-Chairman.

Voted: That the Rev. C. G. Sparham be elected as Vice-Chairman of the Field Board of Managers.

156. Date of Next Meeting of The Field Board of Managers.

Voted: That the arrangements for June be as follows:
Closing Exercises: Wednesday, June 16th, at 10 a.m.

Administrative Council to meet on Saturday, June 12th, at 10 a.m.

The Field Board to meet on Tuesday, June 15th, at 8 p.m., continuing business after the closing exercises.

VII. BUDGETS

157. Endowment Fund.

In view of the heavy responsibility resting upon the Joint Boards and the Field Board of the University for upkeep of buildings and general current expenditure, and having in mind the possibility of social or political disturbances temporarily cutting off our usual resources, Resolved that the Joint Boards be urged to secure from the Inter-Church World Movement or otherwise, an Endowment Fund of Gold \$5,000,000.

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158. Inter-Church World Movement Estimates.

The estimates prepared for the Inter-Church World Movement were approved by the Board, as follows:

CAMPAIGN SURVEY
INTERCHURCH WORLD MOVEMENT OF NORTH AMERICA

1. ADDITIONAL FOREIGN MISSIONARIES.

	1920		1921		1922	1923	1924	Totals	
	Men	Women	Men	Women	Men	Men	Men	Men	Women
a. General University	4		1	1	1			6	1
b. Arts and Science	1		2		2	2	2	9	
c. Theology.....	1		1					2	
d. Medicine.....	3	1	3	1	2	1	1	10	2
e. Extension.....	1		1					2	
Totals	10	1	8	2	5	3	3	29	3

2. ADDITIONAL NATIVE WORKERS. (Salaried).

	1920		1921	1922	1923	1924	Totals
	Men	Men	Men	Men	Men	Men	Men
a. General University.....	1		1				3
b. Arts and Science.....	4		4	5	5	5	23
c. Theology.....	2		1	1			4
d. Medicine.....	3		3	2	2	2	12
e. Extension.....	2		2	3	3	3	13
Totals	12	11	12	10	10	10	55

— 21 —

3. SALARIES AND EXPENSES OF ADDITIONAL FOREIGN MISSIONARIES. (Cumulative).

	1920		1921		1922		1923		1924		Totals	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
a. General University	10000.		12500.	1250.	15000.	1250.	15000.	1250.	15000.	1250.	67500.	5000.
b. Arts and Science	2500.		7500.	7500.	12500.	17500.	22500.	22500.	22500.	22500.	62500.	22500.
c. Theology.....	2500.		5000.	5000.	5000.	5000.	5000.	5000.	5000.	5000.	22500.	22500.
d. Medicine.....	7500.	1250.	15000.	2500.	22500.	2500.	27500.	2500.	32500.	2500.	105000.	11250.
e. Extension.....	2500.		5000.	5000.	5000.	5000.	5000.	5000.	5000.	5000.	22500.	22500.
Totals	25000.	1250.	45000.	3750.	60000.	3750.	70000.	3750.	80000.	3750.	280000.	16250.

To be exchanged into Mexican at 2 to 1.

4. SALARIES AND EXPENSES OF ADDITIONAL NATIVE WORKERS. (Cumulative).

	1920		1921		1922		1923		1924		Totals	
	Men	Men	Men	Men	Men	Men	Men	Men	Men	Men	Men	Men
a. General University.....	900.		1,800.		2,400.		2,400.		2,400.		2,400.	9,900.
b. School of Arts and Science.....	7,500.		14,100.		21,900.		3,000.		38,100.		111,600.	20,400.
c. School of Theology.....	2,400.		3,600.		4,800.		4,800.		4,800.		20,400.	46,800.
d. School of Medicine.....	3,600.		7,200.		9,600.		1,200.		14,400.		46,800.	43,200.
e. Extension Department.....	2,400.		4,800.		8,400.		1,200.		15,600.		43,200.	231,900.
Totals	16,800.	31,500.	47,100.	61,200.	75,300.	75,300.	61,200.	61,200.	75,300.	75,300.	231,900.	231,900.

B

5. ADDITIONAL LAND, BUILDINGS, AND EQUIPMENT.

	1920	1921	1922	1923	1924	Totals
General University Administration.						
Administration Building.....		75,000.				75,000.
Chapel.....	20,000.					20,000.
Library.....			40,000.			40,000.
Y.M.C.A. and Gymnasium.....	100,000.					100,000.
Residences.....	20,000.	10,000.	10,000.			50,000.
Power Plant and Press.....	30,000.	20,000.				50,000.
Land and Campus.....	15,000.	15,000.	15,000.	10,000.		70,000.
Model Village Extension.....	10,000.	10,000.	10,000.	10,000.		50,000.
Automatic Telephone.....	5,000.					5,000.
Totals	200,000.	130,000.	75,000.	35,000.	20,000.	460,000.
School of Arts and Science.						
Astronomical Observatory.....			15,000.			15,000.
Equipment of Departments.....	17,000.	14,000.	15,000.	14,000.	14,000.	74,000.
Dormitories and Commons.....	23,000.	25,000.		25,000.		73,000.
Residences.....	60,000.	60,000.	66,000.	66,000.	67,000.	319,000.
Totals	100,000.	99,000.	96,000.	105,000.	81,000.	481,000.
School of Theology.						
Theological Building.....	20,000.	6,000.				26,000.
Dormitories and Commons.....	25,000.					25,000.
Residences.....	20,000.	15,000.	5,000.			40,000.
Totals	65,000.	21,000.	5,000.			91,000.

Table 5 (Continued from page 22).

	1920	1921	1922	1923	1924	Totals
School of Medicine.						
School Buildings.....	50,000.	10,000.	5,000.	5,000.	5,000.	75,000.
Hospital Buildings.....	140,000.	80,000.	50,000.	20,000.	10,000.	300,000.
Dormitories.....		20,000.	20,000.	20,000.	20,000.	80,000.
Residences.....	49,000.	29,000.	29,000.	24,000.	19,000.	150,000.
Land.....	12,000.	12,000.	12,000.	12,000.	12,000.	60,000.
Totals	251,000.	151,000.	116,000.	81,000.	66,000.	665,000.
Extension Department.						
Lecture Hall and Club.....	50,000.	8,000.				58,000.
Branches in City.....	2,000.	2,000.	2,000.	2,000.	2,000.	10,000.
Totals	52,000.	10,000.	2,000.	2,000.	2,000.	68,000.
GRAND TOTALS	668,000.	411,000.	294,000.	223,000.	169,000.	1,765,000.

6. UPKEEP AND GENERAL EXPENSES. (Cumulative).

	1920	1921	1922	1923	1924	Totals
a. General University		10,000.	16,500.	20,250.	21,250.	68,000.
b. School of Arts and Science	6,000.	12,000.	18,000.	24,000.	30,000.	90,000.
c. School of Theology	1,500.	3,500.	3,500.	4,000.	4,000.	16,500.
d. School of Medicine	12,550.	20,100.	25,900.	29,950.	33,250.	121,750.
e. Extension Department		2,600.	3,100.	5,800.	5,900.	17,400.
Totals	20,050.	48,200.	67,000.	84,000.	94,400.	313,650.

7. SPECIAL FUNDS.

	1920	1921	1922	1923	1924	Totals
a. General University						
b. School of Arts and Science	5,000.	5,000.	5,000.	5,000.	5,000.	25,000.
c. School of Theology		1,500.		1,500.		3,000.
d. School of Medicine	5,000.	5,000.	5,000.	5,000.	5,000.	25,000.
e. Extension Department						
Totals	10,000.	11,500.	10,000.	11,500.	10,000.	53,000.

8. INDIGENOUS RESOURCES FOR GENERAL EXPENDITURE.

	1920	1921	1922	1923	1924	Totals
a. General University						
b. School of Arts and Science	3,600.	4,000.	5,000.	7,000.	8,000.	27,600.
c. School of Theology	100.	300.	500.	1,000.	1,000.	2,900.
d. School of Medicine	22,500.	25,000.	27,500.	30,000.	35,000.	140,000.
e. Extension Department						
Totals	26,200.	29,300.	33,000.	38,000.	44,000.	170,500.

159. Need of Budgeting for Administration Expenditure.

Voted: That in view of the fact that certain Boards and Societies only accept responsibility for a special School in the University, and also of the need of budgeting for Administration Expenditure, we ask the Joint Boards to consider the starting of a special fund for General University Administration.

160. The Budget 1920-1921.

Approval of the increased expenditure as proposed in the budget for 1920-1921 is with the understanding that the indicated increased appropriations asked from the Home Boards are available only if, and when, guaranteed by them.

In case the Joint Boards are not able to grant the total sums on the Budget, otherwise unprovided for, the necessary adjustments are to be left to the Finance and Property Committee.

The Budget for the period April 1st, 1920—June 30th, 1921, was approved, as per the following summary:—

Summary of Budget Expenditures According to Schools

I. General University.	Administration	\$15,720.	
	Services	\$ 5,655.	
			\$ 21,375.
II. School of Arts and Science.	Administration	\$ 1,000.	
	Instruction	\$40,475.	
	Maintenance	\$ 8,225.	
			\$ 49,700.
III. School of Theology.	Administration	\$ 4,670.	
	Instruction	\$21,270.	
	Maintenance	\$ 1,070.	
			\$ 27,010.
IV. School of Medicine.	Administration	\$15,040.	
	Instruction	\$84,645.	
	Maintenance	\$ 7,405.	
			\$107,090.
	Hospital	\$46,080.	
			\$ 46,080.
V. Extension Department.	Administration	\$ 4,650.	
	Instruction	\$ 4,140.	
	Maintenance	\$ 3,510.	
			\$ 12,300.
			<u>\$263,555.</u>

B

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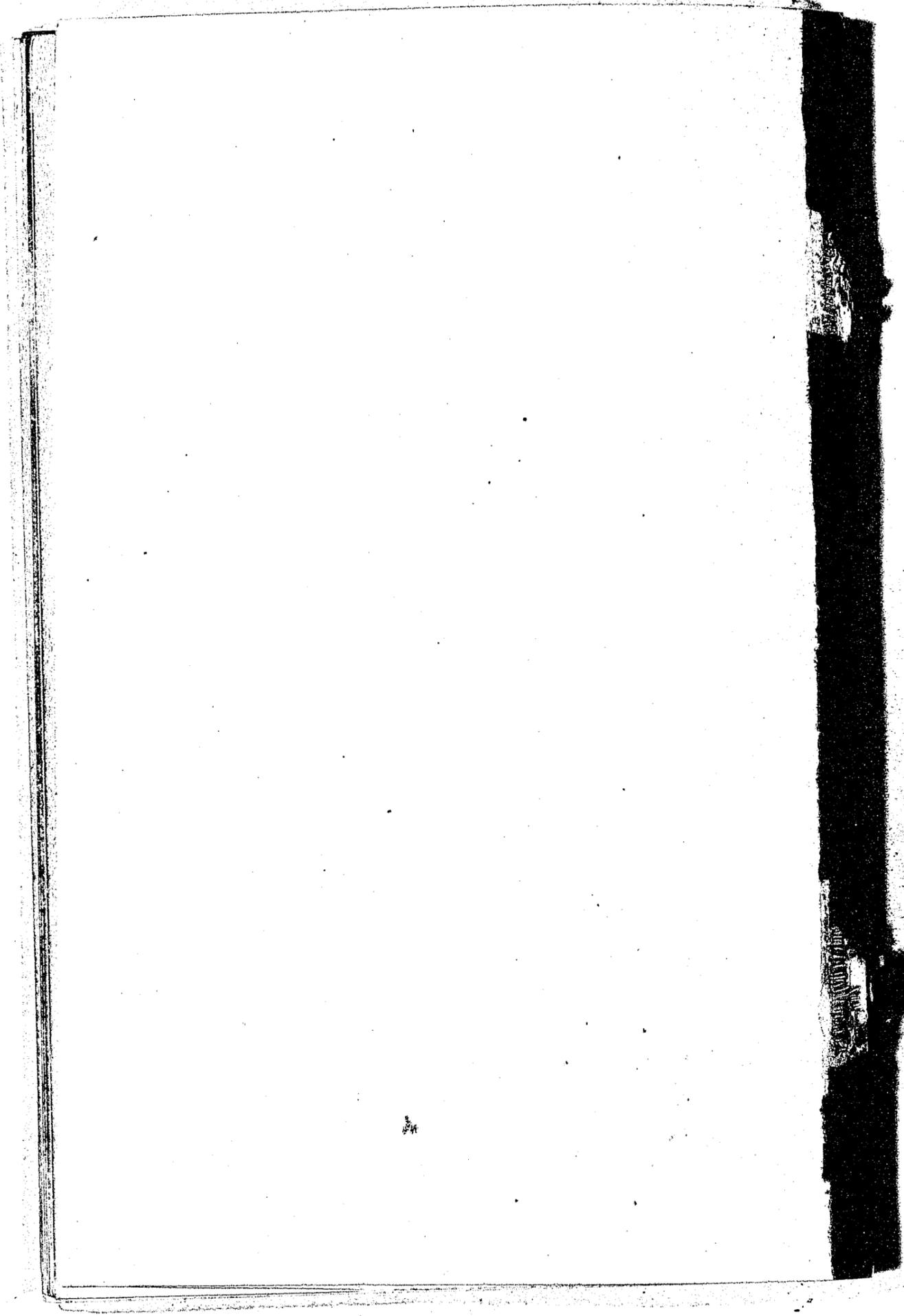
Summary of Budget Receipts According to Sources

C M B	Total Salaries and Allowances	\$35,685.	
	Total to General Expenditure	\$18,802.	\$ 54,487.
B M S	Total Salaries and Allowances	\$33,390.	
	Total to General Expenditure	\$20,058.	\$ 53,448.
✓ A P M N	Total Salaries and Allowances	\$34,180.	
	Total to General Expenditure	\$17,923.	\$ 52,103.
✓ C P M	Total Salaries and Allowances	\$12,130.	
	Total to General Expenditure	\$ 1,250.	\$ 13,380.
L M S	Total Salaries and Allowances	\$ 6,125.	
	Total to General Expenditure	\$ 1,250.	\$ 7,375.
S P G	Total Salaries and Allowances	\$ 4,465.	
	Total to General Expenditure	\$ 2,500.	\$ 6,965.
✓ LUTH.	Total Salaries and Allowances	\$ 6,265.	
	Total to General Expenditure	\$ 625.	\$ 6,890.
✓ A P M S	Total Salaries and Allowances	\$ 3,750.	
	Total to General Expenditure	\$ 1,500.	\$ 5,250.
A B C F M	Total Salaries and Allowances	\$ 2,875.	
	Total to General Expenditure	\$ 625.	\$ 3,500.
W M M S-E P M	Total Salaries and Allowances	\$ 3,150.	
	Total to General Expenditure	\$ 625.	\$ 3,150.
W M M S	Total to General Expenditure	\$ 625.	\$ 625.
Students' Fees	School of Arts and Science	\$ 3,600.	
	School of Medicine	\$ 2,500.	
	School of Theology	\$ 100.	
			\$ 6,200.
	Hospital Subscriptions and Fees		\$ 20,000.
	Hospital Food Receipts		\$ 9,000.
	Miscellaneous Interest Receipts		\$ 825.
			\$243,198.
			9,257.
			11,100.
			<u>\$263,555.</u>

X — Arts and Science sum unprovided for
 X — General University sum unprovided for

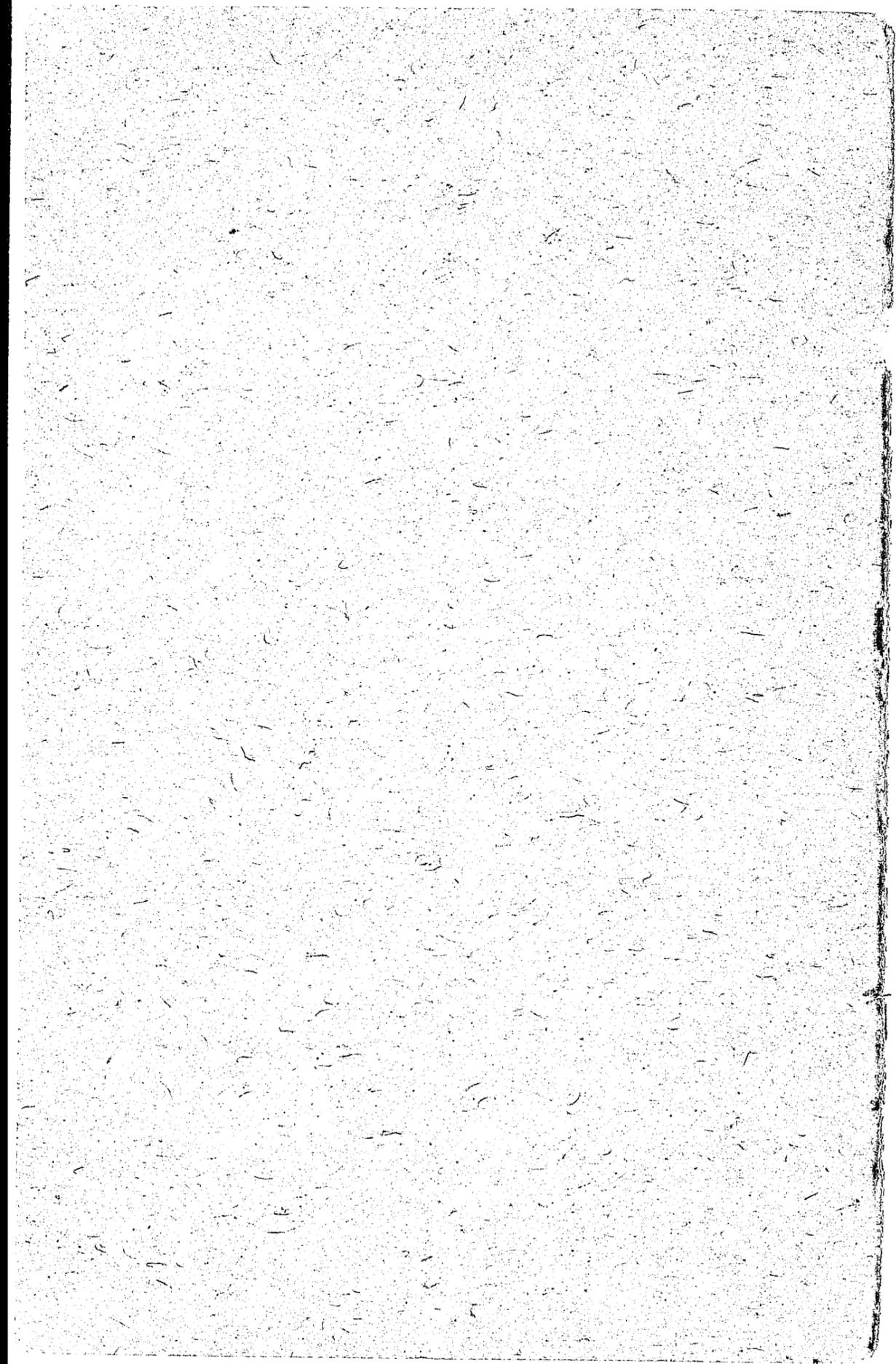
*Office of the President
 1900s. America
 10.000 Britain.*

*- Approx per year
 Arts - 7400. or Amer. Sch. 3700. - H. Pen. 2500.
 gen. - 10000. " " " 5000. H. Pen. 2500.*





山東濟南齊魯大學各科招生簡章



山東濟南齊魯大學各科招生簡則

一 願入本校神科者最少應由本校文豫科畢業或其他大學豫科畢業而有同等學力

神科

凡願在文科選讀何門功課時必先經教員會之認可

一 本校豫科功課不得選學惟願入醫科之學生如於何門功課須補習時可斟酌收入

業者亦應該校所發證書收入毋庸考試

一 學生願留學補習者准予酌奪特別開班若有與本校同等大學之學生願來肄

復習

可 該校校長所發證書酌奪插班即行免考並在該校所學功課確有成績者毋庸

插入第二學年者即考第一學年功課若自來他大學本校視為同等學力者亦

一 凡願來本校插班學員須先投考豫科功課猶須考其所願插之班以下之功課如願

豫科者亦相等

須受該科招生考試所考試科目以本校文豫科之課程為準而投考手續與投考文
與本校文豫科相等之學校畢業者方准投考自一九二一年始凡欲入文本科者均
一 凡願入本校文本科者至少須有大學豫科兩年之程度或由本校文豫科畢業或由

文科本科

一 所有招考功課分數均以六十分為及格若只一項不足者亦斟酌收錄

戊 科學

而此等應至少應有中學二年之科學程度即普通科學與初等物理化學顯有實驗知識

選何全部 一場考試

丁 算學

數學代數 一場考試

丙 西史

上律律 按本校所編之西史綱目命題

乙 英文

須有中學英文四年程度

乙 化學

無機化學 金屬非金屬平衡接觸難溶要綱
定性分析 定量分析

以上三學期動物實驗

進與其生活之關係又標示特種脊椎類之比較體學并實行解剖
動物分類 特別注重於標示之原生動物足諸類按日講授練習其構

以上學期植物實驗

甲 生物學

高級植物之解剖生理學

植物分類學

下級植物之形態(接顯微術)生活學

醫本科招生考試手續見前第四頁考試科目及該科所應完畢之課程列後

- 1 本校醫科招生考試且無論他校或本校醫科畢業生欲入本科者必先入校醫科而後入校手續仍先經本校醫科招生考試且無論他校或本校醫科畢業生欲入本科者必先入校手續仍先
- 1 本校所認為同等之他大學畢業生持有證書證明曾習各種實驗者得免其考試

詳細日期及手續見前第一第二兩頁

- 1 且必須經本校醫科之招生考試後方能收入考試科目列後時期為六月及八月至
- 1 凡願入醫本科者至少應有該科兩年程度並曾作過動物化學物理應作之實驗者

醫科

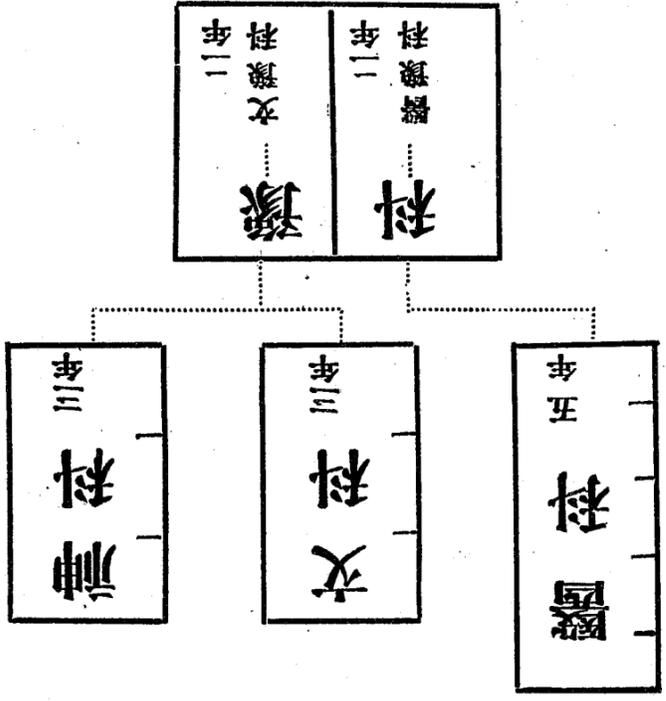
- 1 投考神科者須具一志願書一醫生證書並其本教會之薦書
員會考試查明認可亦可收錄

則准其兩年畢業

- 1 如投考者無以上所列各種資格而於基督敎事業有特別經驗及特長者經本科教
員會考試查明認可亦可收錄
- 1 凡本校文科畢業生欲入神科者如在文科時曾選讀神科課程足一年者入神科後
願入神科學員莫妙於由本校文科畢業或其他大學畢業生而有同等學力者

者或由本校神科招考)按該科二年課程

表年學科各學大魯齊



己 成丁 丙
 漢 文 理 學
 英 文 理 學
 物 理 學

考 國 文 又 論 說 一 冊

至 少 須 有 四 年 程 度

以 本 校 前 長 卜 道 成 氏 所 編 之 精 心 理 學 為 基 本 或 相 當 之 書 亦 可
 以 理 學 及 實 驗 分 二 年 實 習 其 權 量 理 論 各 種 機 電 具 尤 宜 注 意 熟 習

以 上 四 學 期 化 學 實 驗

有 機 化 學 分 類 法 藥 示 諸 化 合 物 並 普 通 有 機 化 學 之 實 驗 與 分 析

SHANTUNG
CHRISTIAN
UNIVERSITY
BULLETIN

No. 17.

ENTRANCE REGULATIONS

MAY 1920



THE UNIVERSITY PRESS
TSINAN



SHANTUNG CHRISTIAN UNIVERSITY

ENTRANCE REGULATIONS

SHANTUNG CHRISTIAN UNIVERSITY

Entrance Regulations

The scholastic work of the Shantung Christian University is carried on in three Schools, the School of Arts and Science, the School of Theology, and the School of Medicine. The work of each of these Schools presupposes two years of preparatory work above that of the Middle Schools. This work may be done either at the University in the Junior College, or in other schools of similar grade. The Junior College provides instruction in two courses, the Premedical Course, and the Arts and Science Junior Course. The instruction in the Junior College is administered by the Faculty of the School of Arts and Science.

Candidates for entrance to any of the Schools or Courses of the University are required to present an Application for Entrance, made on the blank forms furnished by the University, which will be supplied by the Registrar. This Application form must be made out in full, including formal application for admission, a certified statement of the scholastic work done, evidence of good moral character and a Medical Certificate. When examinations for entrance are taken at the University the Application must be filed in the office of the Registrar before the time set for the examinations. When the entrance examinations are given at places outside the University the Application must either be filed in the office of the Registrar before the dates set for the examination, or it must be forwarded with the examination papers of the applicant. Papers will not be graded until the Application has been approved. Both the information given in the Application and the results of the examinations will be taken into consideration in the admission of students.

Examinations for Entrance will be held in June and in August of each year. The June examinations will be held at the following centers, and at such other centers as may be required by a sufficiently large number of applications:

Tsinan	Tsingchowfu	Hsuchowfu, Kiangsu.
Weihsien	Chefoo	Taiyuanfu, Shansi.
Peking	Hankow	Sianfu, Shensi.
Shanghai	Foochow	Weihweifu, Honan.

The August examinations will be conducted at the University only. The examination dates for 1921 are May 30th to June 3rd and August 29th to September 2nd. Requests for the examination questions should be sent to the Registrar not later than May 10th.

Candidates for admission may sit for examination once only each year, either in June or August.

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

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

The Language to be used in the Examinations is understood to be Chinese, except in the examination in English, but in the General Matriculation Examinations, students, whose preparation, either wholly or in part, has been in the English language, may, at their option, take the examinations in such subjects in either Chinese or English.

THE SCHOOL OF ARTS AND SCIENCE

The Junior College

The Arts and Science Junior Course, and the Premedical Course, constitute the Junior College in the School of Arts and Science. Each of these courses is a two year course. Entrance to the Junior College of the University is by Examination only. The examinations admitting to the Junior College are known as the

General Matriculation Examinations. Candidates successfully passing these examinations are admitted to any of the above courses. The certified statement of scholastic work included in the Application must show that the candidate for entrance to the Junior College has completed at least seven years of Upper Primary and Middle School work.

The General Matriculation Examinations for 1921 will be set in the following subjects:

1. Chinese Language: Three Papers.

- A. Two Essays of not less than 300 characters each;
- B. One paper on Chinese History.

The work of the higher primary and middle school Courses is presupposed as the basis for this examination.

2. English: One Paper.

Four years of middle school English is assumed as the groundwork for this examination.

3. Western History: One Paper.

General survey as outlined in the "Syllabus for Entrance in History", issued by the University.

4. Mathematics: Two Papers.

- A. Arithmetic and Algebra, one paper;
- B. Plane and Solid Geometry, one paper.

5. Science: One paper.

The questions will presuppose at least two years of middle school work in science, covering General Science, and elementary Physics and Chemistry. The paper must give evidence that the student has had individual laboratory work, and is familiar with the fundamentals of laboratory technique and physical measurement.

Pass Grade and Conditions—

The pass grade in the General Matriculation Examinations is 60%. One condition is allowed.

Entrance with Advanced Standing

For admission to advanced classes of the School of Arts and Science, a candidate will be required to sit for the General Matriculation Examinations and in addition to take an examination on the work of the year below that which he wishes to enter, with the exception that students from recognized schools of college grade may be received without taking the General Matriculation Examination and that credit will be given to such students for work of equivalent grade done in college subjects.

THE SCHOOL OF ARTS AND SCIENCE

The Senior College

Candidates for entrance to the Senior College in the School of Arts and Science are required to have completed at least two years of college grade work, to have graduated from the Junior College of this University, or to have graduated from a Junior College of equivalent standards. Beginning with the year 1921 and thereafter, ALL candidates for admission will be required to pass an Entrance Examination. The scope of this Entrance Examination will be based upon the work of the two years Arts and Science Junior Course in Shantung Christian University. The filing of the Application for Entrance and the Medical Certificate is likewise required; (see page 1).

Post Graduate Students

Graduates of recognized institutions of college grade will be received for post graduate work in the School of Arts and Science on presentation of proper credentials.

Special Students

No students will be received as "Special" students in the Junior College, except that students wishing to pursue the medical course who need training in some particular studies preparatory to entering the School of Medicine, may be accepted. Students desiring to take selected studies in the Senior college of the School of Arts and Science must satisfy the faculty that they have had sufficient preparation to enable them to do the work which they wish to select.

THE SCHOOL OF THEOLOGY

1. Applicants for admission to the School of Theology must have completed at least the work of the Junior College of the School of Arts and Science or two years of college work of the same grade or must pass an examination in the subjects specified for the Junior College course.

2. Students contemplating the Theological Course are strongly urged to graduate first from the Senior College of the School of Arts and Science, or from an institution of the same grade.

3. Graduates of the Senior College of the School of Arts and Science, who have taken electives in the School of Theology equivalent to one year's work in that School, will be allowed to graduate from the School of Theology after two years' further study.

4. Applicants who are unable to meet the conditions outlined above, but who have special experience in Christian service or exceptional qualifications, may be received after examination by the Faculty as to their fitness to take the Course.

5. Each candidate for admission to the School of Theology must present:

- (a) An Application for Entrance and a Medical Certificate. (see page 1).
- (b) A recommendation from the Church or Mission to which he belongs.

THE SCHOOL OF MEDICINE

Candidates for admission to the School of Medicine are required to have completed at least two years of college grade work, during which they have pursued the requisite laboratory courses in the premedical sciences. They are also required to pass the Entrance Examination; the subjects and scope of this examination are noted below. Entrance Examinations are held in June and in August of each year. For dates and details of examinations, together with specifications for the filing of an Application for Entrance and a Medical Certificate, see pages 1 and 2. Graduates of recognized institutions of college grade, who can produce satisfactory evidence that they have completed all the required laboratory courses in full, may be admitted to the School of Medicine without examination.

Candidates who have not taken their full premedical course, can do so in the Junior College of the School of Arts and Science. Entrance to this premedical course is by the General Matriculation Examination; see page 3. The premedical course of study can also be taken in other institutions recognized by the University, provided the requisite amount of laboratory work is devoted to each subject. In all cases, however, graduates of premedical courses either in this or other universities will be required to present themselves for the Entrance Examination of the School of Medicine at the conclusion of the premedical work.

The subjects of examination, and prerequisites of each, are as follows:

Biology: One paper.

One term of laboratory work in Botany. Anatomy and Physiology of the higher plants; microscopic study of the lower forms of plant life; classification. Three terms of laboratory work in Zoology. Classification; special emphasis upon the study of structure macroscopic and microscopic and the life-histories of types of Protozoa, Helminths, and Arthropoda. The comparative Anatomy of Typical Vertebrates, especially Mammals, including Dissection.

Chemistry: One paper.

Four terms of laboratory work. Inorganic,—metals and non-metals, including a knowledge of the principles of equilibrium, catalysis, dissociation. Analytical,—including the elements of quantitative. Organic,—classification, study of types of compounds, practical experience in organic preparations, with general principles of organic analysis.

Physics: One paper.

Lectures, accompanied by two years of laboratory work; quantitative work in the laboratory with emphasis on the theory of measurement, and a familiarity with mechanical and electrical apparatus.

Psychology: One paper.

Lectures, based on Bruce's "The Elements of Psychology" or its equivalent.

English: One paper.

At least four years' work in English.

Chinese: Two papers.

Chinese Literature and Essay.

The above requirements are based upon the Premedical Course in the School of Arts and Science.

All enquiries in regard to Entrance Requirements and Entrance Examinations to any of the Schools of the University should be addressed to,—

THE REGISTRAR
SHANTUNG CHRISTIAN UNIVERSITY
TSINAN.

Shantung
Christian
University
Bulletin

No. 18

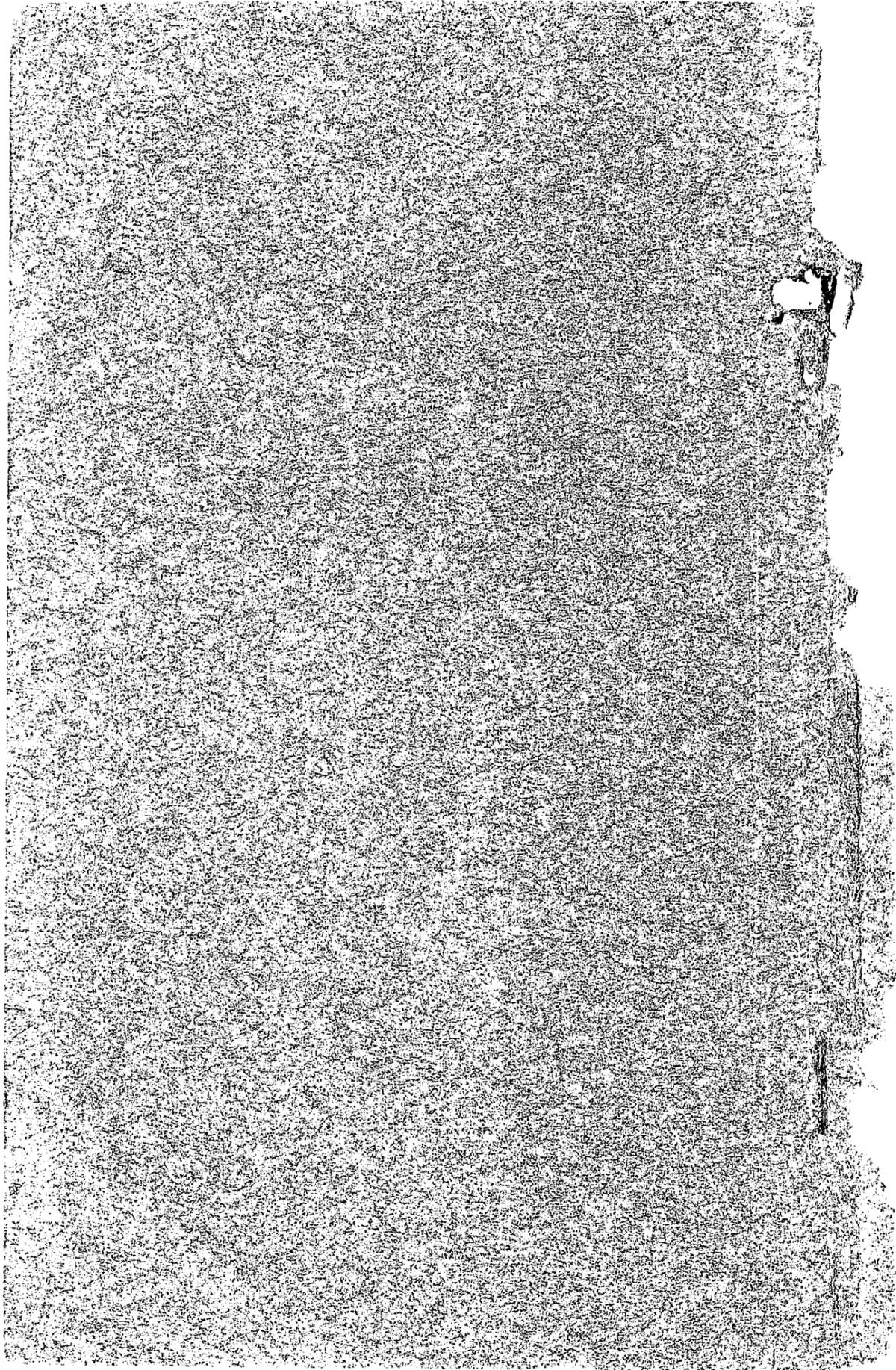
General Information

1919-1920



Shantung University - General Information, 1919-20





SHANTUNG
CHRISTIAN
UNIVERSITY
BULLETIN

No. 18

GENERAL INFORMATION

1919—1920



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UNIVERSITY CALENDAR

For 1920, 1921, 1922

1920

February 5—Thursday	Spring Semester Opens All Schools Registration and Payment of Fees
February 19, 20, 21	Midwinter Festival (old calendar New Year)
April 4, 5, 6	Tsing Ming Holidays
May 1—Saturday	Field Day
June 7 to 11	Entrance Examinations All Schools
June 16—Wednesday	Spring Semester Closes (Commencement Exercises 10 a.m.)
August 30 to September 3	Entrance Examinations All Schools
September 9—Thursday	Fall Semester Opens All Schools Registration and Payment of Fees
September 10—Friday	Recitations begin
October 9, 10, 11	National Holiday
December 24, 25, 26	Christmas Holiday

1921.

January 1—Saturday	New Year's Holiday
January 3—Monday	Semester Examinations begin
January 12—Wednesday	Fall Semester Closes
February 3—Thursday	Spring Semester Opens All Schools Registration and Payment of Fees
February 4—Friday	Recitations begin
February 7, 8, 9	Midwinter Festival (old calendar New Year)
April 4, 5, 6	Tsing Ming Holidays
May 30—Monday	Semester Examinations begin
May 30 to June 3	Entrance Examinations All Schools

— 2 —

June 8—Wednesday	Spring Semester Closes (Commencement Exercises 10 a.m.)
August 29 to September 2	Entrance Examinations All Schools
September 8—Thursday	Fall Semester Opens All Schools Registration and Payments of Fees
September 9—Friday	Recitations begin
October 9, 10, 11	National Holiday
December 24, 25, 26	Christmas Holiday

1922.

January 2—Monday	New Year's Holiday
January 11—Wednesday	Fall Semester Closes
February 2—Thursday	Spring Semester Opens All Schools Registration and Payment of Fees
February 3—Friday	Recitations begin

— 3 —

THE BOARD OF MANAGERS

PAUL R. ABBOTT
ALBERT G. CASTLETON
CHENG GING YI
EDWARD CUNDALL
JOHN GRIFFITH
ALLEN C. HUTCHESON
GEOFFREY D. ILIFF
J. WALTER LOWRIE
PAUL MACÉACHRON
JAMES BOYD NEAL
C. G. SPARHAM
O. R. WOLD
YUAN GING KWEI

OFFICERS OF ADMINISTRATION

President—JAMES BOYD NEAL
Dean of School of Arts and Science
JAMES BOYD NEAL (*Acting Dean*)
Dean of School of Theology
ERNEST WHITBY BURT
Dean of School of Medicine
HAROLD BALME
RANDOLPH TUCKER SHIELDS (*Acting Dean*)

Director of Extension Department

JOHN SUTHERLAND WHITEWRIGHT

Treasurer and Registrar

PAUL CLIFFORD CASSAT

JOSEPH WALTER HUNTER (*Acting Treasurer-Registrar*)

THE UNIVERSITY SENATE

JAMES BOYD NEAL

ERNEST WHITBY BURT

RANDOLPH TUCKER SHIELDS

JOHN SUTHERLAND WHITEWRIGHT

WILLIAM HENRY ADOLPH

FRANK EDWARD PERCY KWOH

JOHN DONALD MACRAE

CHARLES T. Y. CHENG

PHILIP SAFFERY EVANS, JR.,

PAUL CLIFFORD CASSAT

THE UNIVERSITY STAFF

NEAL, JAMES BOYD, M.A., M.D.

President

Acting Dean of School of Arts and Science

Ophthalmology

ADOLPH, WILLIAM HENRY, Ph.D.

Chemistry

†BALME, HAROLD, F.R.C.S., D.P.H.

Dean of School of Medicine

Surgery

BRAAFLADT, Rev. LOUIS HENRY, M.Sc., M.D.

Pathology

BURT, Rev. ERNEST WHITBY, M.A.

Dean of School of Theology

Theology, Pastoral Theology

†CADY, Rev. LYMAN VAN LAW, B.A., B.D.,

Religion, Ethics

†CASSAT, PAUL CLIFFORD, B.A.

Treasurer and Registrar

CHAI GING REN (S. C. U.)

Resident Medical Officer

CHENG, CHARLES T. Y.

Pharmacy, Materia Medica

CHIN HWA TANG (S. C. U.)

Biology

†COCHRAN, SAMUEL, M.A., M.D.

Bacteriology, Serology

†COUSENS, HENRY SEPTIMUS, M.A.

Biology

DINKELACKER, Miss BERTHA
Hospital Nursing Staff

DINKELACKER, Miss EFFIE
Hospital Nursing Staff

DJANG CHIN
Chinese

DWAN KWO, 拔貢
Chinese

DZANG SHU WEN (S. C. U.)
Chemistry

†ELLIS, JOHN STANLEY, M.A., M.R.C.S., L.R.C.P.
Radiology, Electro-therapeutics

EVANS, PHILIP SAFFERY, Jr., B.A., M.D.
Physiology

FENG WEN SIU (S. C. U.)
Mathematics

†FLEMING, WILLIAM, M.B., Ch.B., F.R.C.S., D.T.M.
Internal Medicine

FU CHAO LIANG (S. C. U.)
Physics

GAO HWEI MEI, 舉人
Chinese

GILLISON, THOMAS, M.B., C.M.
Therapeutics, Translation Bureau

HARKNESS, HAROLD WILSON, B.A., B.Sc.
Physics

HARKNESS, Mrs. HAROLD WILSON, B.A.
English

HARMON, Rev. FRANK
Religious Instruction
Associate, Extension Department

HARMON, FRANK HENRY BRIGG
Business Manager, School of Medicine

HEEREN, Rev. JOHN J., M.A., Ph.D.
Librarian
History, Economics

HEEREN, Mrs. JOHN J.
English

HUNTER, Rev. JOSEPH WALTER
Acting Treasurer-Registrar
Applied Arts, History, Religious Instruction

†INGLE, B.A., M.B., Ch.B.
Anatomy

JOHNSON, CHARLES FLETCHER, M.D.
Hygiene, Obstetrics, Pediatrics

KIANG, PETER C., B.A., M.D.
Physiological Chemistry

KWOH, FRANK EDWARD PERCY, B.Sc.
English

LAIR, Rev. HOWELL PORTMAN, B.A., B.D.
English, Religious Instruction

LAIR, Mrs. HOWELL PORTMAN
English

LI LI TSÜEN, 廩生
Psychology

LINN DZI TSING, E.M.
Geology

LIU HWAN DJANG (S. C. U.)
Chemistry

LOGAN, Miss MARGARET
Matron of Hospital

MACRAE, Rev. JOHN D., B.A., B.D.
Church History, New Testament

- McCLURE, WILLIAM, B.A., M.D.
Internal Medicine
- McHARDY, Rev. ROBERT STEWART, B.Sc., B.D.
Old Testament
- McOWAN, Rev. BENJAMIN MORAY
English
- MIAO YUNG NIEN, 舉人
Chinese
- †MOSSE, FRANCIS H., M.A., M.R.C.P.
Internal Medicine
- NEAL, Mrs. JAMES BOYD
English
- †PAILING, Rev. WILLIAM, B.D., M.P.S.
Pharmacy
- PAN MING DOH (S. C. U.)
Mathematics
- PARKER, Rev. JOHN
Religious Instruction
- POLLARD, Miss ETHEL
Hospital Nursing Staff
- RATCLIFFE, Mrs. JEANNETTE C.
Hospital Nursing Staff
- †ROYS, CHARLES KIRKLAND, M.A., M.D.
Anatomy
- †SCHULTZ, WILLIAM MAGILL, B.A., M.D.
Clinical Pathology
- SHIELDS, RANDOLPH TUCKER, B.A., M.D.
Acting Dean of School of Medicine
Histology, Embryology, Parasitology, Anatomy
- STEARNS, THORNTON, B.A., M.D.
Surgery
- STRUTHERS, ERNEST BLACK., B.A., M.D.
Internal Medicine, Physical Diagnosis

- TANG EN LIANG, B.S. in C.E.
Assistant Director of Extension Department
- TIEN HSI GING (S. C. U.)
Mathematics
- †WANG GI DJEI (S. C. U.)
Chemistry
- WANG HWEI WEN (S. C. U.)
Anatomy
- WANG HSI EN (S. C. U.)
Astronomy, Mathematics
- WANG HSUEH SHAO (S. C. U.)
Chinese
- WANG I YUNG, 廣生
Chinese
- WANG MEI FENG (S. C. U.)
History
- WANG TIEN GANG (S. C. U.)
Assistant Librarian
- WHEELER, EDWIN ROBERT, M.R.C.S., L.R.C.P., M.B., B.S.
Superintendent of the University Hospital
Surgery
- WHITEWRIGHT, Rev. JOHN SUTHERLAND
Director of Extension Department
- WU CHENG MIN (S. C. U.)
Chemistry
- WU MING GAO, 廣貢生
Chinese
- YANG, DAVID K. (S. C. U.)
Physics

†Absent 1919-1920.

NOTE—" (S. C. U.)" signifies "Graduate of Shantung Christian University."

HISTORICAL NOTE

THE Shantung Christian University originated in the founding of the Tengchow College in 1864 by the Rev. Calvin W. Mateer, D.D., of the American Presbyterian Mission. He remained for many years its president, and was succeeded by the Rev. Watson M. Hayes, D.D., LL.D.

In 1885 the English Baptist Mission established a Theological College with a Teachers' Training Department at Tsingchowfu with the Rev. J. S. Whitewright as its principal; and in 1886 the same mission established a high school under the principalship of the Rev. Samuel Couling, M.A.

In 1900 it was proposed to remove the Tengchow College to Weihsien, and an invitation was extended by the college to the English Baptist Mission in a letter written by the Rev. Henry W. Luce to unite in higher educational work. Negotiations following this letter resulted in the two Missions co-operating in three union colleges, a College of Arts and Science at Weihsien, a Theological College at Tsingchowfu, and a Medical College at Tsinan. These subsequently became the three schools of the University as at present organized. Later the Tsinanfu Institute was incorporated in the University as the Department of University Extension.

In addition to the two founding Missions, there are now co-operating in the work of the University, the Anglican Mission, in the School of Arts and Science and School of Medicine; the Canadian Presbyterian Mission in the School of Theology and School of Medicine, and the A. B. C. F. M., or Grinnell College Movement, in the School of Theology; and the Southern Presbyterian Mission, the London Missionary Society, the Wesleyan Missionary Society, and the Lutheran United Mission of America, in the School of Medicine.

As will be seen from the above, the School of Arts and Science is the oldest of the Schools of the University, dating

back to 1864, the year of the founding of the Tengchow College. In 1904 the Tengchow College was removed to Weihsien, and, together with the college grade classes of the Tsingchowfu High School, then in process of being developed into a college grade institution, became the Shantung Union College.

The School of Theology began with the founding in 1885 of the Theological College at Tsingchowfu, which in 1893 was enlarged as the Gotch-Robinson Theological College. Presbyterian theological classes were conducted by the American Presbyterian Mission for some twenty years at various centers with Drs. Nevius, Corbett, Hayes, and others as their teachers. In 1905 these classes were united with the Theological School at Tsingchowfu in the premises of the Gotch-Robinson College, and the Union Theological School was thus founded.

Formal teaching of Medicine was begun in Shantung about 1884. In 1890 a class of three men, who had been under the instruction of Dr. James B. Neal, finished a four years' course which was supplemented by two years of hospital work. This was the first of eight classes in which were included some fifty students trained by Drs. Neal and Johnson, of the American Presbyterian Mission, and by Drs. Watson and Paterson of the English Baptist Mission. Of these classes the last two were carried on as union peripatetic classes of the Union Medical College, pending the erection of the College buildings. The Union Medical College, thus begun in 1906, received its first students into its new buildings in the South Suburb, Tsinan, in 1910, at which place the work has since been carried forward.

The Department of University Extension continues the work of the Tsinanfu Institute, founded by the Rev. J. S. Whitewright in 1904 for the social, moral and spiritual uplifting of the Chinese people by means of a museum, evangel-

istic services and popular lectures. The Institute thus formed has now become an integral part of the University as its Extension Department,

In 1917 the Arts and Theological Departments at Weih-sien and Tsingchowfu were removed to Tsinan and thus the three Schools of the University with its Extension Department were concentrated at the one centre. At the same time the Normal School, which had been connected with the Theological School at Tsingchowfu, became the Normal Training Department of the School of Arts and Science.

ADMINISTRATION AND ORGANIZATION

The administration of the University is placed under the joint control of three Boards, a Joint Board in North America composed of representatives of co-operating Mission Boards in the U. S. A. and Canada, a similar Joint Board in Great Britain, and the Field Board of Managers, the last named being composed of one representative of each uniting mission (two representatives from missions providing six or more members of the University staff), two representatives of the alumni, and other coöpted members.

The internal administration is vested in the University Senate consisting of the President and the Deans and elected members from the several Faculties, in the Academic Board composed of the united Faculties, and in the several Faculties.

The departments of instruction are as follows:

1. The School of Arts and Science (including the Junior College).
2. The School of Theology.
3. The School of Medicine.

DIPLOMAS

The University awards diplomas in ARTS AND SCIENCE, in THEOLOGY, and in MEDICINE, to those who successfully complete the respective courses of study. A certificate is awarded on graduation from the Junior College. Certificates are also awarded to special students. A Higher Diploma of the University is awarded for Post Graduate work in Arts and Science.

THE MEDIUM OF INSTRUCTION

The undergraduate class work of the University is carried on with the use of Mandarin as the medium of instruction. With a few exceptions, all students study the English language, but the text books are mainly in Chinese, and lectures are delivered in northern Mandarin. In many of the advanced classes collateral reading in English text books is required.

LOCATION AND BUILDINGS

The University is situated at the southern extremity of the city and suburbs of Tsinan, the buildings of the Medical School and Tsinanfu Institute being inside the suburb wall, and those of the Arts and Science, and Theological Schools outside, facing the hills that lie to the south.

The Medical School buildings comprise the college building, the University Hospital, residences for foreign and Chinese members of the staff, together with students' dormitories and commons. The college building consists of a central three-storey block with two wings, and is faced by the Hospital with a street frontage of 400 feet, including in-patient and out-patient departments.

The Tsinanfu Institute, the Extension Department, lies to the east of the School of Medicine, and includes the Museum, fronting on the street, two Lecture Halls, Reading and Recreation Rooms, and residences for the staff.

The plans for that part of the University outside the suburb wall provide for a central campus in the shape of a Greek cross on which are located seven of the larger University buildings, flanked on its east and west sides by groups of dormitory and commons buildings. Those in the central campus are the Main Building, in which are the general administrative offices, two Science Halls, the Theological Hall, the Teachers' Training School, the Chapel, and the University Library. Of these buildings two Science Halls are completed.

The Dormitories are arranged in courts, each court accommodating 62 men, and each with its own commons building, including a dining room, social hall, kitchen and bath rooms. There are in all twelve such courts planned for at present, six on each side of the central campus, thus providing accommodation for 744 students, which with those provided for inside the suburb wall makes a total of 872 in the whole University. The buildings already erected provide for 376 students.

Residences for the teaching staff are grouped along the southern and eastern sides of the campus, while beyond the eastern group of dormitories plans are developing for a Model Village, in accordance with Chinese ideas.

LIBRARY

The University Library was organized with the consolidation of the three departments of the University at Tsinan in 1917. The central library is located temporarily in one of the Science Halls. It includes periodical and general reading rooms, with books for student and faculty reference in both Chinese and English. A branch Medical Library has been established in the School of Medicine. The Library possesses a total of about 16,000 volumes, of which 6,000 are in Chinese, and 10,000 in English.

UNIVERSITY LECTURES

One of the important academic features of the University is a series of weekly lectures given under the auspices of the united faculties. Attendance on the part of all students of the University is required, and the lectures are reckoned as part of the regular curriculum. Lecturers from the several faculties and prominent speakers from other parts of China appear on the program of lectures. The range of subjects includes current topics of national and international importance, and others of modern educational interest.

THE Y. M. C. A.

Student Y. M. C. A. organizations exist in each of the three schools of the University. The student religious life of the institution centers about these organizations. A number of receptions are held throughout the year, and each association conducts Bible study groups. An important phase of the association work is the organized enlistment of student cooperation in religious and social work in the city, and in the University Hospital.

ATHLETICS

The new campus provides ample basket-ball and football fields, and tennis courts. Athletic competitions take the form of contests between the schools of the University. The spring Field Day is the annual athletic festival of the University. The management of all athletic contests is in the hands of joint committees of students and faculty. All students are encouraged to take part in some form of athletic exercise.

RELIGIOUS ACTIVITIES

The University requires regular attendance of all students of the University at morning chapel and at the Sunday University service. All students in the School of Arts and Science pursue regular curriculum courses in religious instruction. Other religious meetings are of a voluntary character.

UNIVERSITY ENTRANCE REGULATIONS

The scholastic work of the Shantung Christian University is carried on in three Schools,—the School of Arts and Science, the School of Theology, and the School of Medicine. The work of each of these Schools presupposes two years of preparatory work above that of the Middle Schools. This work may be done either at the University in the Junior College, or in other schools of similar grade. The Junior College provides instruction in two courses, the Pre-medical Course, and the Arts and Science Junior Course. The instruction in the Junior College is administered by the Faculty of the School of Arts and Science.

Candidates for entrance to any of the Schools or Courses of the University are required to present an Application for Entrance, made on the blank forms furnished by the University, which will be supplied by the Registrar. This Application form must be made out in full, including formal application for admission, a certified statement of the scholastic work done, evidence of good moral character and a Medical Certificate. When examinations for entrance are taken at the University the Application must be filed in the office of the Registrar before the time set for the examinations. When the entrance examinations are given at places outside the University the Application must either be filed in the office of the Registrar before the dates set for the examination, or it must be forwarded with the examination papers of the applicant. Papers will not be graded until the Application has been approved. Both the information given in the Application and the results of the examinations will be taken into consideration in the admission of students.

Examinations for Entrance will be held in June and in August of each year. The June examinations will be held at the following centers, and at such other centers as may be required by a sufficiently large number of applications :

Tsinan	Tsingchowfu	Hsuchowfu
Weih sien	Chefoo	Taiyuanfu
Peking	Hankow	Sianfu
Shanghai	Foochow	Weihweifu

The August examinations will be conducted at the University only. For dates of examinations see University Calendar (page 1). Requests for the examination questions should be sent to the Registrar not later than May 10th.

Applicants for admission may sit for examination once only each year, either in June or August.

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

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

The Language to be used in the Examinations is understood to be Chinese, except in the examination in English, but in the General Matriculation Examinations, students, whose preparation, either wholly or in part, has been in the English language, may, at their option, take the examinations in such subjects in either Chinese or English.

GENERAL MATRICULATION EXAMINATIONS FOR ADMISSION TO JUNIOR COLLEGE

The Arts and Science Junior Course, and the Pre-medical Course, constitute the Junior College in the School of Arts and Science. Each of these courses is a two-year course. Entrance to the Junior College of the University is by Examination only. The examinations admitting to the Junior College are known as the General Matriculation Examinations.

Candidates successfully passing these examinations are admitted to any of the above courses. The certified statement of scholastic work included in the Application must show that the candidate for entrance to the Junior College has completed at least seven years of Upper Primary and Middle School work.

The General Matriculation Examinations for 1921 will be set in the following subjects:

1. Chinese Language: Three Papers.

- A. Two Essays of not less than 300 characters each;
 - B. One paper on Chinese History.
- The work of the higher primary and middle school Courses is presupposed as the basis for this examination.

2. English: One Paper.

Four years of middle school English is assumed as the groundwork for this examination.

3. Western History: One Paper.

General survey as outlined in the "Syllabus for Entrance in History," issued by the University.

4. Mathematics: Two Papers.

- A. Arithmetic and Algebra, one paper;
- B. Plane and Solid Geometry, one paper.

5. Science: One Paper.

The questions will presuppose at least two years of middle school work in science, covering General Science, and elementary Physics and Chemistry. The paper must give evidence that the student has had individual laboratory work, and is familiar with the fundamentals of laboratory technique and physical measurement.

Pass Grade and Conditions:

The pass grade in the General Matriculation Examinations is 60%. One condition is allowed.

All inquiries in regard to Entrance Requirements and Entrance Examinations to any of the Schools of the University should be addressed to,—

THE REGISTRAR,

SHANTUNG CHRISTIAN UNIVERSITY,

TSINAN.

FEEES

Due at the beginning of each semester, in local currency.

The revised schedule of University Fees is as follows:

TUITION—

Arts and Science—Arts and Science Courses—\$15 per semester

Pre-theological Students \$10 ,, ,,

Pre-medical Course ... \$20 ,, ,,

Theology \$10 ,, ,,

Medicine \$20 ,, ,,

The above schedule of Tuition Fees will take effect for all NEW students from September 1920, and hold good for two years. The following schedule of Tuition Fees will take effect for all students who have entered in 1920 or thereafter. This schedule will begin from September 1922.

TUITION—

Arts and Science—Arts and Science Courses ... \$20 per semester

Pre-theological Students ... \$15 ,, ,,

Pre-medical Course... .. \$25 ,, ,,

Theology \$15 ,, ,,

Medicine \$25 ,, ,,

ATHLETIC—

All Schools \$ 1 per semester

DORMITORY—

Medicine \$ 2 per semester

BREAKAGE DEPOSITS. General and Laboratory

Arts and Science—Arts and Science Course \$ 3 annually, payable in fall

Pre-theological Course \$ 2 ,,

Pre-medical Course ... \$ 5 ,,

*Chemistry and Physics Laboratory \$ 3 ,,

Theology \$ 1 ,,

Medicine \$ 5 ,,

*Additional deposit to be paid only by students in the Arts and Science Senior College majoring in Chemistry and Physics.

The above new system of payment of Breakage Deposits goes into effect, September 1920, for all students, old as well as new.

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

BOARD

Each student pays the entire cost of his board.

Students of the School of Arts and Science and the School of Theology are required to deposit a sum of \$16.00 per semester with the University Treasurer in advance. The kitchens and dining rooms of these two departments are managed by a committee elected by the students.

Medical students make arrangements for their own board at the Commons of the School of Medicine at a cost of four or five dollars per month.

BULLETINS OF INFORMATION—PUBLICATIONS

All requests for bulletins of information, and all inquiries regarding the publications of the University, should be addressed to

THE REGISTRAR,

SHANTUNG CHRISTIAN UNIVERSITY,

TSINAN.

SCHOOL OF ARTS AND SCIENCE
FACULTY AND INSTRUCTORS

JAMES BOYD NEAL *President, Acting Dean*
WANG HSI EN, Astronomy, Mathematics
†HENRY SEPTIMUS COUSINS, Biology
JOHN J. HEEREN, History
†WANG GI DJEI, Chemistry
TIEN HSI GING, Mathematics
CHIN HWA TANG, Biology
JOSEPH WALTER HUNTER, Applied Arts, History, Religious Instruction
HOWELL PORTMAN LAIR, English, Religious Instruction
WILLIAM HENRY ADOLPH, Chemistry
HAROLD WILSON HARKNESS, Physics
FRANK EDWARD PERCY KWOH, English
RANDOLPH TUCKER SHIELDS, Biology
DAVID K. YANG, Physics
DWAN KWO, Chinese

DJANG CHIN, Chinese
FENG WEN SIU, Mathematics
LIU HWAN DJANG, Chemistry
LINN DZI TSING, Geology
MRS. HOWELL PORTMAN LAIR, English
GAO HWEI MEI, Chinese
MRS. JOHN J. HEEREN, English
DZANG SHU WEN, Chemistry

— 23 —

Mrs. HAROLD WILSON HARKNESS, English
Mrs. JAMES BOYD NEAL, English
WANG MEI FENG, History
FRANK HARMON, Religious Instruction
FU CHAO LIANG, Physics
PETER C. KIANG, Physiology and Hygiene
LI LI TSÜEN, Psychology
PAN MING DOH, Mathematics
JOHN PARKER, Religious Instruction
WANG HSUEH SHAO, Chinese
WANG I YUNG, Chinese
WU CHENG MIN, Chemistry
WU MING GAO, Chinese

† Absent 1919-1920.

SCHOOL OF ARTS AND SCIENCE

FACULTY AND INSTRUCTORS

JAMES BOYD NEAL, *President, Acting Dean*

WANG HSI EN, Astronomy, Mathematics

†HENRY SEPTIMUS COUSENS, Biology

JOHN J. HEEREN, History

†WANG GI DJEI, Chemistry

TIEN HSI GING, Mathematics

CHIN HWA TANG, Biology

JOSEPH WALTER HUNTER, Applied Arts, History, Religious Instruction

HOWELL PORTMAN LAIR, English, Religious Instruction

WILLIAM HENRY ADOLPH, Chemistry

HAROLD WILSON HARKNESS, Physics

FRANK EDWARD PERCY KWOH, English

RANDOLPH TUCKER SHIELDS, Biology

DAVID K. YANG, Physics

DWAN KWO, Chinese

DJANG CHIN, Chinese

FENG WEN SIU, Mathematics

LIU HWAN DJANG, Chemistry

LINN DZI TSING, Geology

Mrs. HOWELL PORTMAN LAIR, English

GAO HWEI MEI, Chinese

Mrs. JOHN J. HEEREN, English

DZANG SHU WEN, Chemistry

Mrs. HAROLD WILSON HARKNESS, English

Mrs. JAMES BOYD NEAL, English

WANG MEI FENG, History

FRANK HARMON, Religious Instruction

FU CHAO LIANG, Physics

PETER C. KIANG, Physiology and Hygiene

LI LI TSÜEN, Psychology

PAN MING DOH, Mathematics

JOHN PARKER, Religious Instruction

WANG HSUEH SHAO, Chinese

WANG I YUNG, Chinese

WU CHENG MIN, Chemistry

WU MING GAO, Chinese

† Absent 1919-1920.

NOTE

Pending the completion of the new buildings, all instruction in the School of Arts and Science is at present given in the two science buildings of the University. Of these, Harkness Hall was completed in 1917. The ground floor of this building has been planned to house the Department of Chemistry, and includes five general student laboratories, with offices, research rooms, etc. The two upper floors will be set aside for the use of the Departments of Botany and Zoology. The Physics Building was completed and opened for use for the fall semester of 1918. The ground floor contains the laboratories of physics, with offices, apparatus and lecture rooms.

ADMISSION TO SCHOOL OF ARTS AND SCIENCE

See "Admission to Junior College," page 17. See also "University Entrance Regulations," page 16.

COURSES IN THE SCHOOL OF ARTS AND SCIENCE

The Faculty of the School of Arts and Science offers courses under the following:

1. THE COLLEGE PREPARATORY CLASS.
2. THE JUNIOR COLLEGE.
The Arts and Science Junior Course.
The Pre-medical Course.
3. THE SENIOR COLLEGE.

1. COLLEGE PREPARATORY CLASS

In order to bridge the hiatus between certain Middle Schools and the first year of the Junior College, the School of Arts and Science has conducted what is known as the College Preparatory Class. This is a one-year course, virtually the

fourth year of a standard middle school course; the course of study is as follows:—

<i>1st semester</i>		<i>2nd semester</i>	
Religious instruction 1...	... 2	Religious instruction 2	... 2
Chinese Lit. and Essay 1	... 3	Chinese Lit. and Essay 2	... 3
History 7	... 2	History 8	... 2
Penmanship	... 2	Penmanship	... 2
English	... 4	English	... 4
Mathematics 1	... 3	Mathematics 2	... 3
Physics 10	... 4	Chemistry 1	... 4
History 1	... 2	History 2	... 2
	—		—
	22*		22*
	—		—

Entrance to this special class is also by examination only. On completion of the work of this year, the student is required to present himself for the General Matriculation Examinations (see page 17), for entrance to the first year of the Junior College.

The conducting of this College Preparatory Class is only a temporary expedient. It is planned to discontinue the class after June 1921.

2. THE JUNIOR COLLEGE

On admission to the Junior College of the School of Arts and Science (for Entrance Requirements see page 17), the student may pursue one of the following courses, each of two years' length:

- The Arts and Science Junior Course;
- The Pre-medical Course.

These courses specifically prepare for the Senior Colleges in the University, and lead, the Arts and Science Junior Course to: The School of Arts and Science (Senior College) or The School of Theology; and, the Pre-medical Course to: The School of Medicine. On the satisfactory completion of the work of the Junior Division, students are eligible to

* Credit-hours.

take the Entrance Examinations admitting directly to the first year of these Senior Colleges. In the case of students entering the School of Theology, this Entrance Examination is not required.

CURRICULUM—JUNIOR COLLEGE.

In the following curriculum, all courses are reckoned on the basis of *Credit-hours*. A *Credit-hour* is defined as the equivalent of one hour of lecture work per week per semester. Two hours of laboratory work count in general as one credit-hour. Two hours of Vocal Music are also reckoned as one credit-hour. The weekly Chinese Essay will count as one credit-hour.

THE ARTS AND SCIENCE JUNIOR COURSE

FIRST YEAR			
<i>1st semester</i>		<i>2nd semester</i>	
Religious Instruction 3	... 2	Religious Instruction 4	... 2
Chinese Lit. and Essay 3	... 3	Chinese Lit. and Essay 4	... 3
History 9	... 2	History 10	... 2
English ... ..	... 4	English ... ..	... 4
Mathematics 3	... 2	Mathematics 4	... 2
Physics 1	... 4	Physics 2	... 4
Drawing ... ..	... 2	Biology 7	... 3
Education 1	... 3	Vocal Music	... 1
Vocal Music	... 1	Biology 5 or Economics 1*	... 2
	23		23

SECOND YEAR			
<i>1st semester</i>		<i>2nd semester</i>	
Religious Instruction 5	... 2	Religious Instruction 6	... 2
Chinese Lit. and Essay 5	... 3	Chinese Lit. and Essay 6	... 3
History 11	... 2	History 12	... 2
English ... ..	... 4	English ... ..	... 4
Psychology 1	... 4	History 4	... 4
History 3	... 3	Chemistry 3	... 4
Chemistry 2	... 4	Vocal Music	... 1
Vocal Music	... 1	Biology 6 or Geology 1*	... 3
	23		23

* Students will elect one of these courses.

THE PRE-MEDICAL COURSE

FIRST YEAR			
<i>1st semester</i>		<i>2nd semester</i>	
Religious Instruction 3	... 2	Religious Instruction 4	... 2
Biology 1	... 4	Biology 2	... 4
Chemistry 2	... 5	Chemistry 3	... 4
Physics 1	... 4	Physics 2	... 4
Psychology 1	... 2	Psychology 1	... 2
Chinese Lit. and Essay 3	... 3	Chinese Lit. and Essay 4	... 3
English	... 4	English	... 4
		Mathematics 3	... 1
	24		24

SECOND YEAR			
<i>1st Semester</i>		<i>2nd Semester</i>	
Religious Instruction 5	... 2	Religious Instruction 6	... 2
Biology 3	... 5	Biology 4	... 5
Chemistry 4	... 6	Chemistry 9	... 6
Physics 3	... 3	Physics 4	... 3
Chinese Lit. and Essay 5	... 3	Chinese Lit. and Essay 6	... 3
English	... 4	English	... 4
	23		23

Entrance with Advanced Standing

For admission to advanced classes of the School of Arts and Science, a candidate will be required to sit for the General Matriculation Examinations and in addition to take an examination on the work of the year below that which he wishes to enter, with the exception that students from recognized schools of college grade may be received without taking the General Matriculation Examination and that credit will be given to such students for work of equivalent grade done in college subjects.

3. THE SENIOR COLLEGE

Candidates for entrance to the Senior College in the School of Arts and Science are required to have completed at least two years of college grade work, to have graduated from the Junior College of this University, or to have graduated from a Junior College of equivalent standards. Beginning with the year 1921 and thereafter, ALL candidates for admission will be required to pass an Entrance Examination. The scope of this Entrance Examination will be based upon the work of the two years Arts and Science Junior Course in Shantung Christian University. The filing of the Application for Entrance and the Medical Certificate is likewise required; (see page 16).

CURRICULUM—SENIOR COLLEGE

The new curriculum eliminates the old system of division into groups in the Senior College, and provides no fixed course of study. In place of this, each student will select his own course of study, including a certain number of required subjects, majors and minors, with the assistance of his advisor. The student's course-card must be signed by the advisor before he can register for the semester. This elective course extends over a minimum period of three years (six semesters). Upon entering the first year, each student will choose a *major* subject; the instructor-in-charge of this major subject will act as the student's advisor.

During the three years of study in the Senior College, each student before he can graduate must have completed a minimum of 24 units, an average of 4 units for each semester. A certain number of units are required in Religious Instruction, English, and Chinese. In addition to this each student will also choose two *minor* subjects, with help of his advisor. One of these minors must be chosen from the same group as

the major. The second minor may be taken in any subject. These groups are three, as follows:

<i>I Natural Science</i>	<i>II Social Science</i>	<i>III Literature and Language</i>
Astronomy and Mathematics	Economics	Chinese
Biology	History	English
Chemistry	Psychology	
Geology	Religious Instruction	
Physics	Sociology	

The requirements for the three years' work of the Senior College are stated as follows:

Required:	8 units	
Religion	2	
English	3	
Chinese	3	
Majors and Minors:	8 units	
1 major	4	
2 minors	2 each	
Elective	8 units	
Total ...	...	24 units (minimum)

A *unit* is defined as consisting of approximately four lecture periods per week per semester. A course which meets for two lectures per week will be credited as one-half unit for the semester. Laboratory work in general is given half the value of lecture periods.

Majors are offered in the following:

CHEMISTRY	MATHEMATICS
CHINESE	PHYSICS
HISTORY	

Minors may be taken in Astronomy, Biology, Chemistry, Chinese, Economics, English, History, Mathematics, Physics, Political Science, Psychology, Religious Instruction, Sociology.

Students registered in the School of Arts and Science may also elect courses offered in one of the other schools of the University, and will receive credit for these courses, with the proviso that courses taken in other schools of the University shall not total more than one-third of the full number of units required for graduation.

Post Graduate Students

Graduates of recognized institutions of college grade will be received for post graduate work in the School of Arts and Science on presentation of proper credentials.

Special Students

No students will be received as Special Students in the Junior College, except that students wishing to pursue the medical course who need training in some particular studies preparatory to entering the School of Medicine, may be accepted. Students desiring to take selected studies in the Senior College of the School of Arts and Science must satisfy the faculty that they have had sufficient preparation to enable them to do the work which they wish to select.

All inquiries and requests for further information regarding the SCHOOL OF ARTS AND SCIENCE, should be addressed to
THE DEAN,

SCHOOL OF ARTS AND SCIENCE,
SHANTUNG CHRISTIAN UNIVERSITY,
TSINAN, SHANTUNG.

DESCRIPTION OF COURSES.

SCHOOL OF ARTS AND SCIENCE.

Instruction offered in the School of Arts and Science is grouped under the following general subjects:—

Applied Arts	Economics	Physics
Astronomy	Education	Political Science
Biology	English	Psychology
Chemistry	Geology	Religious Instruction
Chinese History	History	Sociology
Chinese Literature	Mathematics	

All courses are represented as of one semester in length. The semester and the number of credit-hours per course are shown after each course; thus: II (3). The Roman figures indicate the semester; the Arabic figures in parentheses indicate the number of *credit-hours* per course. (For the definition of a "credit-hour," see page 26.) Courses offered in the Senior College are credited in terms of *units*, indicated in brackets, thus: [1]. (For the definition of a "unit" see page 29.) The academic year begins in September, and all entering classes are received with the opening of the Fall or First Semester.

Applied Arts.

APPLIED Arts I. *Freehand and Mechanical Drawing*. Principles of light and shade. Elements of perspective. I (2).

Astronomy.

ASTRONOMY 1-2. *Descriptive Astronomy*. The earth; astronomical instruments and their adjustment; the orbit of the sun; the sun, moon, tides, the eclipses of the sun and moon; solar system, planets, comets, meteors. 2 semesters. Prerequisite: Mathematics 3-4. I [1], II [1].

ASTRONOMY 3-4. *Mathematical Astronomy*. The use and correction of the equatorial instrument; transit; zenith telescope; sextant; calculation of right ascension, declination, longitude, latitude and the azimuth of a star, mean solar time, sidereal time, latitude; use of the almanac; calculation of the eclipses of the sun and the moon. 2 semesters. Prerequisite: Mathematics 9, Astronomy 1-2. I [1], II [1].

Biology.

BIOLOGY 1-2. *Elementary Biology*. The study of the lower forms of plant and animal life; and the anatomy and physiology of certain higher types. Facility is required in the use of the microscope. The students are required to dissect, draw, and study microscopic slides. For pre-medical students. I (4), II (4).

BIOLOGY 3-4. *Advanced Zoology.* Systematic survey of the animal kingdom, the aim being to give the students a general acquaintance with the different phyla. Emphasis is placed upon those types of special interest from the standpoint of Parasitology, Embryology, and Comparative Anatomy. Actual specimens, dissection, and mounted sections are used. A large part of the time in this course is taken up with the study of vertebrates. For pre-medical students. I (5), II (5).

BIOLOGY 5. *Elementary Botany.* Minor course, for students in Arts and Science. II (2).

BIOLOGY 6. *Elementary Zoology.* Minor course, for students in Arts and Science. II (3).

BIOLOGY 7. *Physiology and Hygiene.* This course consists of lectures, demonstrations, and recitations. It aims to give the students some elementary knowledge of Anatomy, Physiology, and Hygiene. Throughout the course special attention is drawn to such problems of hygiene as arise from traditions, customs, habits, manners, and social conditions peculiarly Chinese, and to the importance of preventive measures against communicable diseases. II (3).

Chemistry.

CHEMISTRY 1. *Elementary Chemistry.* A study of elementary principles; training in methods of study and observation; use of the balance in quantitative measurement; properties of the common elements. Primarily a laboratory course. For students of College Preparatory Class. II (4).

CHEMISTRY 2. *General Inorganic Chemistry.* Fundamental conceptions of chemistry; lectures and recitations accompanied by laboratory work developing the ideas of equilibrium, dissociation, catalysis, properties of solutions, etc., type study of the non-metals and important groups of the metals; constant reference to industrial applications. Prerequisite: Chemistry I or Entrance Science. I (4).

CHEMISTRY 3. *General Inorganic Chemistry.* Continuation of Chemistry 2. Prerequisite: Chemistry 2. II (4).

CHEMISTRY 4. *Qualitative Analysis.* Laboratory work on the metals with methods of separation. Lectures and recitations on the theory of reactions, and solutions, following in general the method of treatment in Stieglitz: "Qualitative Chemical Analysis." Prerequisite: Chemistry 3. I (6) [1].

CHEMISTRY 5. *Qualitative Analysis.* Advanced course, continuation of Chemistry 4. Reactions of the acid radicals; analysis of alloys, minerals. Prerequisite: Chemistry 4. II [1].

CHEMISTRY 6. *Quantitative Analysis.* Elementary course; drill in representative gravimetric and volumetric methods. Prerequisite: Chemistry 4. I [1].

CHEMISTRY 7. *Quantitative Analysis.* Advanced laboratory course; analysis of alloys and minerals; electro-analysis. Prerequisite: Chemistry 6. II [1].

CHEMISTRY 9. *Organic Chemistry.* Elementary course; a survey of the more important compounds of the aliphatic series, with a briefer treatment of the aromatic compounds; laboratory study of type organic reactions, with principles of organic qualitative analysis. Prerequisite: Chemistry 4. II (6) [1].

CHEMISTRY 10. *Organic Chemistry.* Advanced course; lectures, organic preparations; ultimate organic analysis. Prerequisite: Chemistry 9. I [1].

CHEMISTRY 11. *Physical Chemistry.* Lectures and laboratory; solutions; phase rule; thermochemistry; conductivity. Prerequisite: Chemistry 6 and Physics 2. I [½].

CHEMISTRY 12. *Applied Chemistry.* A study of the industries of Shantung, and the application of scientific methods to industry. Laboratory examination of fuels, and commercial products; water analysis; analysis of ores. Reports, and visits to industrial plants. II [1].

CHEMISTRY 13. *Foods and Nutrition.* Study of the principles of nutrition; food analysis; elements of physiological chemistry. Prerequisite: Chemistry 6 and 9. II [1].

Chinese.

CHINESE 1-2. *Chinese Literature and Essay.* For College Preparatory Class. I (3), II (3).

CHINESE 3-4, 5-6. *Chinese Literature and Essay.* Required for all students in the Junior College. I (3), II (3).

CHINESE 7-8. *Chinese History.* For College Preparatory Class. I (2), II (2).

CHINESE 9-10, 11-12. *Chinese History.* Required for all students in the Junior College. I (2), II (2).

CHINESE 13. *Chinese History.* To Han Dynasty. I [1].

CHINESE 14. *Chinese History.* Three kingdoms to the Swei Dynasty. II [1].

CHINESE 15. *Chinese History.* Tang Dynasty to Five Dynasties. I [1].

CHINESE 16. *Chinese History.* Sung to Yuan Dynasties. II [1].

CHINESE 17. *Chinese History.* Yuan and Ming Dynasties. I [1].

CHINESE 18. *Chinese History.* Tsing Dynasty to the founding of the Republic. II [1].

CHINESE 19.	<i>Classics.</i>	Book of History.	I [1].
CHINESE 20.	<i>Classics.</i>	San Djwan.	II [1].
CHINESE 21.	<i>Classics.</i>	Spring and Autumn.	I [1].
CHINESE 22.	<i>Classics.</i>	Book of Odes.	II [1].
CHINESE 23.	<i>Classics.</i>	Book of Changes.	I [1].
CHINESE 24.	<i>Classics.</i>	Book of Rites.	II [1].
CHINESE 25.	<i>Philosophers.</i>	Lao-dzi.	I [½].
CHINESE 26.	<i>Philosophers.</i>	Djwang-dzi.	II [½].
CHINESE 27.	<i>Philosophers.</i>	Lieh-dzi.	I [½].
CHINESE 28.	<i>Philosophers.</i>	Mei-dzi.	II [½].
CHINESE 29.	<i>Philosophers.</i>	Hsun-dzi.	I [½].
CHINESE 30.	<i>Philosophers.</i>	Yang-dzi.	II [½].

Economics.

ECONOMICS 1. *Elementary Economics.* This is an elementary course, aiming to acquaint the student with the economic principles governing the production, distribution, consumption and exchange of wealth. II (2).

ECONOMICS 2. *Public Finance and Taxation.* The first half of the course is devoted to a study of the history and theory of government revenues and expenditures, while the second half is devoted to the theory and practice of taxation. Prerequisite: Economics 1. [½].

ECONOMICS 3. *Money and Banking.* This course deals with the evolution of money, the value of money, the money standard and the different types of standards. In the field of banking it discusses the organization and working of modern financial institutions. Prerequisite: Economics 2. [½].

Education.

EDUCATION 1. *Pedagogy.* Introduction to educational psychology; technics of teaching; study of methods. Prerequisite: Psychology 1 and 2. I (3).

English.

Four hours per week of English are required of all students in the School of Arts and Science. The courses listed below are those at present being given. More advanced courses will be added as the demand for them arises. Students are examined in English on entering the School of Arts and Science and assigned to the class for which their previous attainments best fit them.

ENGLISH 1. *Lessons in Speaking.* Practice in conversation with the text "English Learned by Use, Lessons in Speaking," by Brownell Gage as a basis. (4).

ENGLISH 2. *Lessons in Speaking.* Conversation and reading lessons, "English Learned by Use, Lessons in Speaking, Book II, part II," by Brownell Gage, Lessons 1-20, with a reader; simple exercises in composition and dictation. (4).

ENGLISH 3. *Lessons in Speaking and Grammar.* Conversation; reading; and inductive grammar exercises. "English Learned by Use, Lessons in Speaking, Book II," Part II, by Brownell Gage, Lessons 21-30, "Lessons in the Forms of English, Book II," Lessons 1-10, with a reader. Exercises in composition and dictation. (4).

ENGLISH 4. *Lessons in Speaking and Grammar.* Conversation; reading; inductive grammar exercises. "English Learned by Use, Lessons in Speaking, Book II, Part II," by Brownell Gage, Lessons 31-40, "Lessons in the Forms of English, Book II," Lessons 11-20, with a reader. Composition; dictation; letter writing. (4).

ENGLISH 5. *Grammar and Reading.* Continued practice in conversation but more rapid and extensive reading. "Lessons in the Forms of English," by Brownell Gage, Book II, Lessons 21-30, Anderson's "Third Reader." Composition; letter writing; simple debating. (4).

ENGLISH 6. *Grammar and Reading.* Conversation, and more extensive reading. "Lessons in the Forms of English, Book II," by Brownell Gage, Lessons 31-40, "Introduction to American History," by Atkinson. Composition; letter writing; essays; extemporaneous speaking. (4).

Geology.

(Including Mineralogy)

GEOLOGY 1. *General Geology.* Fundamental principles of dynamic, historic, and economic geology. Rocks; minerals; fossils. Special study of geology of Shantung. Lectures and laboratory. II (3).

History.

HISTORY 1. *Oriental and Greek History to 146 A.D.* After a brief introductory sketch of the oriental nations which influenced Greek civilization, the course aims to present a general and narrative history of Greece to the Roman conquest. I (2).

HISTORY 2. *Roman History to 376 A.D.* This course offers a general view of Roman history from the time of the early Roman state to the establishment of the later empire in the fourth century, paying

special attention to the government and to those institutions necessary for an intelligent understanding of the mediæval period. Prerequisite: History I. II (2).

HISTORY 3. *History of Western Europe from 376 to 1648.* The aim of this course is to give the student the essentials of European history from the fall of the Western Empire to the end of the religious wars. Special emphasis is placed upon those movements and institutions which had an appreciable influence upon the modern world. Prerequisite: Entrance History. I (3).

HISTORY 4. *Modern Europe.* The history of Europe is traced from the end of the religious wars to the present day. Emphasis is placed upon the important social, religious, and political movements which have shaped the Europe of to-day. Prerequisite: History 3. II (4).

HISTORY 5. *English History.* To give a general view of English history is the aim of this course. Besides tracing the outlines of political and constitutional development, it gives the student a brief survey of social and industrial evolution as well as of colonial expansion. Prerequisite: History 4. II (4) [I].

HISTORY 6. *United States History.* This is a general course in the history of the United States. After a brief outline of European beginnings the course aims to trace the main features of the social, economic, political, and constitutional development. Prerequisite: History 3, 4 and 5. I (4) [I].

HISTORY 7. *Comparative Constitutional History.* This course attempts to give a brief outline of the constitutional development of England, the United States, France, and modern China. It aims to train the Chinese student to be able to compare the historical evolution of China's constitution with that of the constitutions of the leading democracies. Prerequisite: History 5, 6 and 7. I (4) [I].

HISTORY 8. *History of the Nineteenth Century.* Beginning with the American War of Independence and the French Revolution the course reviews the various revolutionary movements in order to enable the student to interpret aright the social, economic, and political forces shaping the nineteenth century. Prerequisite: History 4, 5 and 6. I (4) [I].

HISTORY 9. *Modern China.* This course aims at familiarizing the student with Chinese history from the Manchu Conquest to the present day, emphasizing China's contact with Western nations and the problems arising out of such intercourse. I (4) [I].

HISTORY 10. *China and the Great War.* Using W. Reginald Wheeler's book "China and the World-War" as a basis the student is acquainted with China's present position among the Powers. Open to all students having sufficient English to do the work intelligently. II (4) [I].

HISTORY 11. *Contemporary History.* This course aims to orientate the student in the world of to-day. After reviewing the causes and the effects of the Russo-Japanese war, the Chinese Revolution and the Balkan wars, it attempts to give the student the intellectual, economic, political, and diplomatic background of the great war and to acquaint him with the main problems of reconstruction. Prerequisite: History 4, 5, 6, and 8. II (4) [I].

* HISTORY 12. *Seminar*; a study of problems in American history. (2) [½].

* HISTORY 13. *Seminar*; a study of problems in English history. [Seminar 12 and 13 will be given in alternate years; one will be given each year.] (2) [½].

* HISTORY 14. *Seminar*; a study of selected documents relating to the Chinese revolution. (2) [½].

Mathematics.

MATHEMATICS 1-2. *Solid Geometry.* Planes, polyhedrons, cylinders, cones, the sphere, spherical triangle, measurement of surfaces and volumes of rotation. 2 semesters. I (3), II (3).

MATHEMATICS 3-4. *Plane and Spherical Trigonometry.* Trigonometric functions, solution of right triangles, analysis of a triangle. The right spherical triangle, the oblique spherical triangle, and the applications of spherical trigonometry. 2 semesters. I (2), II (2).

MATHEMATICS 5-6. *Analytical Geometry.* Loci and their equations, the straight line, circle, different systems of co-ordinates, parabola, ellipse, hyperbola, loci of the second order, higher plane curves, the point in space, the plane in space, the straight line in space, surfaces of revolution, and transformation of co-ordinates. 2 semesters. I (4) [I], II (4) [I].

MATHEMATICS 7. *Surveying.* The use of the tape, compass, transit, and level; land surveying, levelling, triangulation, railroads, and river surveys. I (4) [½].

MATHEMATICS 8. *Advanced Algebra.* Ratio and proportion, variation, permutations and combinations, continued fractions, indeterminate equations, arithmetical series, geometrical series, logarithms, theory of equations, higher numerical equations. II (4) [I].

MATHEMATICS 9. *Differential Calculus.* Functions, differential coefficient, differentiation, successive differentiation, implicit functions, expansion of functions, indeterminate forms, partial differentiation, certain curves, direction of curves, tangent and normal, points of

* Before entering a seminar the student must satisfy the instructor that he is thoroughly competent to pursue the work with profit; but all students specializing in history must take at least two seminars.

inflection, curvature, evolute and involute, osculation circle, envelopes, maxima and minima. I (4) [1].

MATHEMATICS 10. *Integral Calculus*. Elementary forms of integration, integration by substitution, integration by parts, integration by successive reduction, integration of the trigonometric functions, successive integration, application of integral calculus. II (4) [1].

MATHEMATICS 11. *Conic Sections*. Ellipse; parabola; hyperbola. I (3) [$\frac{1}{2}$].

MATHEMATICS 12. *Mathematical Physics*. I (3) [$\frac{1}{2}$].

MATHEMATICS 13. *Mathematical Physics*. II (3) [$\frac{1}{2}$].

MATHEMATICS 14. *Mathematical Physics*. I (3) [$\frac{1}{2}$].

MATHEMATICS 15. *Mathematical Physics*. II (3) [$\frac{1}{2}$].

Physics.

PHYSICS 1. *General Physics*. Lectures, three hours a week; laboratory, two hours a week.

An elementary course in descriptive mechanics, properties of matter, heat and sound. I (4).

PHYSICS 2. *General Physics*. Lectures, three hours a week; laboratory, two hours a week.

An elementary course in descriptive physics, electricity and light. II (4).

PHYSICS 3. *Mechanics, Heat and Light*. (Pre-medical.) Lectures, two hours a week; laboratory, two hours a week.

An introduction to the mechanics of a particle and a rigid body thermometry, calorimetry, geometric optics with applications to optical instruments. I (3).

PHYSICS 4. *Electrical Measurements*. (Pre-medical.) Lectures, one hour a week; laboratory, three hours a week.

Current, potential, resistance, capacity, inductance, conduction in liquids and gases, Roentgen rays. An understanding of, and practice in, the use of instruments is emphasised. II (3).

PHYSICS 5. *Mechanics*. Lectures, three hours a week.

Elementary statics and dynamics of a particle and of a rigid body. Prerequisite to all other courses in the Senior College. [$\frac{1}{2}$].

PHYSICS 6. *Mechanics, Molecular Physics and Heat*. Lectures, two hours a week; laboratory, three hours a week.

Work, energy, efficiency, impact, rigidity, temperature, hygrometry, capillarity, calorimetry, and expansion. [1].

PHYSICS 7. *Electricity and Magnetism*. Lectures, two hours a week; laboratory, three hours a week.

Magnetic and electric fields, current, potential, E. M. F., resistance, capacity, inductance. [1].

PHYSICS 8. *Sound and Light*. Lectures, two hours a week; laboratory, three hours a week.

Wave motion and propagation, diffraction, refraction, photometry, spectroscopy and polarization with applications to optical instruments. [1].

PHYSICS 9. *Industrial Physics*. Lectures, two hours a week; laboratory, three hours a week.

(a) Thermodynamics. The laws of thermodynamics and their application to prime movers. Thermodynamic tests of industrial plants; visits to plants in the city.

(b) Direct and alternating currents. Brief study of D.C. and A.C. machines, transmission distribution, and lighting. Elementary D.C. and A.C. calculations. Generator station instruments.

(c) Graphic statics and strength of materials. Graphic theory of beams, columns, trusses, reinforced concrete, and arches. Practical design and experimental work. [1].

Political Science.

POLITICAL SCIENCE 1. *Introduction to Political Science*. This is an elementary course acquainting the student with the scope and method of political theory; the origin and basis of the state; the nature of the state; sovereignty, and the forms and the functions of the state. Prerequisite: History 3, 4 and 5. (4) [1].

POLITICAL SCIENCE 2. *International Law*. This course involves a study of the nature and development of international law; the relations of nations in time of war and in time of peace; arbitration, and the movements for world peace. Prerequisite: Political Science 1. (4) [1].

Psychology.

PSYCHOLOGY 1. *Introduction to Psychology*. The course includes a general study of mental processes, special attention being paid to the relation of psychology to education. I (4).

PSYCHOLOGY 2. *Advanced Psychology*. This course includes the most important branches of modern Psychology, such as Experimental Psychology and Social Psychology. Prerequisite: Psychology 1.

Religious Instruction.

RELIGIOUS INSTRUCTION 1. *Fundamental Christian Teachings*. An informal discussion of such question as the Inspiration of the Scriptures, Miracles, Sin, the Deity of Jesus, the Church, etc. Lectures, outlines, topical reports. I (2).

RELIGIOUS INSTRUCTION 2. *Fundamental Christian Teachings.* Continuation of Course 1. II (2).

RELIGIOUS INSTRUCTION 3. *Old Testament History.* Genesis to David. Lectures, outlines, assigned readings, special attention given to geography of Bible lands. I (2).

RELIGIOUS INSTRUCTION 4. *Old Testament History.* Solomon to return from Captivity, including introductions to the Prophets. Continuation of Course 3. II (2).

RELIGIOUS INSTRUCTION 5. *Life of Christ.* A study of the harmony of the Gospels with special reference to contemporary history and interpretation of the teachings of Jesus. Text-book with reference work and supplementary lectures. I (2).

RELIGIOUS INSTRUCTION 6. *Life of Christ.* Continuation of course 5. II (2).

RELIGIOUS INSTRUCTION 7. *Apostolic History.* A detailed study of the conditions and problems of the early church with applications of the principles there found to present-day needs. Text-book and lectures. I (2) [½].

RELIGIOUS INSTRUCTION 8. *Apostolic History.* Continuation of course 7. II (2) [½].

RELIGIOUS INSTRUCTION 9. *Apologetics.* A study of the vital facts and principles upon which Christianity depends and a review of the evidences for Christian belief. Text-book and lectures. I (2) [½].

RELIGIOUS INSTRUCTION 10. *Apologetics.* Continuation of course 9. II (2) [½].

RELIGIOUS INSTRUCTION 11. *Comparative Religion.* A historical study of the development of the great religions and their relative merits. Text-book and lectures. I (2) [½].

RELIGIOUS INSTRUCTION 12. *Comparative Religion.* Continuation of course 11. II (2) [½].

RELIGIOUS INSTRUCTION 13. *The Social Teachings of Jesus.* Lectures and topical reports. Based on "The Social Teachings of Jesus" by Shailer Mathews, "Jesus Christ and Social Question," Peabody, and "The Teachings of the Prophets and Jesus," Kent. II (2) [½].

Sociology.

SOCIOLOGY 1-2. *Introduction to the Study of Society.* This is an elementary course designed to give the student orientation in the social sciences, and a working system of thought about society. Hayes' "Introduction to the Study of Sociology" is used as a basis for the work, and readings are assigned in such Chinese reference books as are available. Two semesters. I (2) [½], II (2) [½].

SCHOOL OF THEOLOGY.

FACULTY AND INSTRUCTORS.

JAMES BOYD NEAL, *President.*

ERNEST WHITBY BURT, *Dean,* Theology, Pastoral Theology.

LYMAN VANLAW CADY, Religion, Ethics.

JOHN DONALD MACRAE, New Testament, Church History.

ROBERT STEWART MCHARDY, Old Testament.

Elijah S. Nieh, Religious Education.

Miao Yung Nien, Chinese.

ADMISSION TO SCHOOL OF THEOLOGY.

1. Applicants for admission to the School of Theology must have completed at least the work of the Junior College of the School of Arts and Science or two years of college work of the same grade, or must pass an examination in the subjects specified for the Junior College course.

2. Students contemplating the Theological Course are strongly urged to graduate first from the Senior College of the School of Arts and Science, or from an institution of the same grade.

3. Graduates of the Senior College of the School of Arts and Science, who have taken electives in the School of Theology equivalent to one year's work in that School, will be allowed to graduate from the School of Theology after two years' further study.

4. Applicants who are unable to meet the conditions outlined above, but who have special experience in Christian service or exceptional qualifications, may be received after examination by the Faculty as to their fitness to take the Course.

5. Each candidate for admission to the School of Theology must present:

(a) An Application for Entrance and a Medical Certificate. (See University Entrance Regulations page 16.)

(b) A recommendation from the Church or Mission to which he belongs.

COURSE OF STUDY—SCHOOL OF THEOLOGY.

FIRST YEAR.

<i>First Semester.</i>				<i>Second Semester.</i>			
Hrs. per week.				Hrs. per week.			
Old Testament (1), (2)...	...	...	5	Old Testament (3), (4)	...	...	5
New Testament (1), (2), (3)	...	...	5	New Testament (4), (5)	...	...	5
Religion and Ethics (1)	...	...	3	Religion and Ethics (2)	...	...	3
Pastoral Theology (1), (2), (6)	...	...	3	Pastoral Theology (1), (2), (6)	...	...	3
Collateral Reading of Prescribed English Theological Books <i>or</i>				Collateral Reading of Prescribed English Theological Books <i>or</i>			
English ...	...	...	4	English...	...	...	4
Chinese (1)	...	...	3	Chinese (2)	...	...	3
Greek	...	...	—	Greek	...	...	—
			23				23

SECOND YEAR.

<i>First Semester.</i>				<i>Second Semester.</i>			
Hrs. per week.				Hrs. per week.			
Old Testament (5)	...	...	3	Old Testament (6)	...	...	3
New Testament (6), (7)	...	...	3	New Testament (8), (9)	...	...	3
Theology (1), (2)	...	...	3	Theology (3)	...	...	3
Church History (1), (2)	...	...	3	Church History (1), (3)	...	...	3
Religion and Ethics (2), (3)	...	...	3	Religion and Ethics (2), (4)	...	...	3
Pastoral Theology (1), (3), (6)	...	...	3	Pastoral Theology (1), (3), (6)	...	...	3
Collateral Reading of Prescribed English Theological Books <i>or</i>				Collateral Reading of Prescribed English Theological Books <i>or</i>			
English ...	...	...	4	English...	...	...	4
Chinese (3)	...	...	3	Chinese (4)	...	...	3
Greek	...	...	—	Greek	...	...	—
			25				25

THIRD YEAR.

<i>First Semester.</i>				<i>Second Semester.</i>			
Hrs. per week.				Hrs. per week.			
Old Testament (7)	...	...	3	Old Testament (8)	...	...	3
New Testament (10), (11)	...	...	3	New Testament (12), (13)	...	...	3
Theology (4)	...	...	3	Theology (5)	...	...	3
Church History (4), (5)	...	...	3	Church History (5), (6)	...	...	3
Religion and Ethics (5)	...	...	3	Religion and Ethics (6)	...	...	3
Pastoral Theology (1), (4), (5)	...	...	3	Pastoral Theology (1), (4), (5)	...	...	3
Collateral Reading of Prescribed English Theological Books <i>or</i>				Collateral Reading of Prescribed English Theological Books <i>or</i>			
English ...	...	...	4	English...	...	...	4
Chinese	...	...	3	Chinese	...	...	3
Greek	...	...	—	Greek	...	...	—
			25				25

NOTE: The numbers in parentheses refer to the respective subjects as tabulated under "Description of Courses"; See pages .

All enquiries regarding the SCHOOL OF THEOLOGY should be addressed to

THE DEAN,

SCHOOL OF THEOLOGY,

SHANTUNG CHRISTIAN UNIVERSITY,

TSINAN.

DESCRIPTION OF COURSES.

SCHOOL OF THEOLOGY.

Instruction in the School of Theology is grouped under the following :—

Old Testament	Religion and Ethics
New Testament	Pastoral Theology
Theology	Chinese Language and Literature
Church History	English
	Greek

Old Testament.

- (1) Earlier Historical Books (Genesis to Kings).
- (2) Geography of the Holy Land. Assyria and Egypt.
- (3) Later Historical Books (Chronicles to Esther).
- (4) Isaiah.
- (5) Psalms.
- (6) Jeremiah, Ezekiel, Daniel.
- (7) Job, Proverbs.
- (8) The Twelve Prophets.

The Course in each Old Testament book specified includes : (1) Introduction (date, authorship, composition, etc.); (2) Subject matter; (3) Exegesis, upon which special emphasis will be placed, applying the teaching of each respective book to present-day conditions.

The Courses in the Historical Books will also trace the moral and religious development of the Hebrew People.

Collateral Reading. There will be collateral reading of prescribed English Books in connection with Courses (1), (3), (4), (6), (7), (8).

New Testament.

- (1) Life of Jesus Christ and Introduction to the Synoptic Gospels. A historical study of the Biblical records of the Life of Christ.
- (2) Canon and Text of the New Testament.
- (3) The Background of the New Testament. A brief study of social and religious conditions of New Testament times.
- (4) Life of Paul and Introduction to the Pauline Epistles.
- (5) Corinthians 1 and 2. A study of a New Testament Church.
- (6) Hebrews. Introduction and exegesis of selected passages.

- (7) The Catholic Epistles. Introduction and Exposition.
- (8) Romans. Exposition of the argument and exegesis of selected passages.
- (9) Pastoral Epistles. Special attention will be given to a study of the Ministry in the Early Church.
- (10) Johannine Literature. Introduction and Exegesis.
- (11) Selected Parables and Miracles. This course will give guidance as to the most fruitful methods of interpretation.
- (12) Ephesians or Philippians. A brief outline study.

Collateral Reading. There will be collateral reading of prescribed English books in connection with Courses (1), (4), (6), (10), (11).

Theology.

- (1) Christian Doctrine of God.
- (2) Man and Sin.
- (3) The Person of Christ.
- (4) The Work of Christ.
- (5) The Holy Spirit, the Church.

Collateral Reading. In connection with Courses (2), (3), (4).

Church History

- (1) The Early Church. This Course covers the Apostolic Age and the subsequent period up to A.D. 590.
- (2) The Church in China. The beginnings of the Christian Church in China and its development up to the present time.
- (3) The Religious Sects of the Pre-Reformation Period.
- (4) The Reformation Period.
- (5) Great Men of the Church. A Course designed to bring students into living touch with some of the great men of the Church.
- (6) History of the Modern Church and Missionary Expansion.

Collateral Reading. There will be collateral reading of prescribed English books in connection with Courses (1), (3), (6).

Religion and Ethics

- (1) Introduction to Philosophy.
- (2) Psychology of Religion.
- (3) Christian Ethics.
- (4) Social Application of Christianity.
- (5) Philosophy of Religion.
- (6) Comparative Religion.

Collateral Reading. There will be collateral reading of prescribed English books in connection with all the above courses.

Pastoral Theology

- (1) Sermon Class.
The students preach in turn for criticism by students and Faculty.
- (2) Religious Pedagogy.
- (3) Principles and Methods of Evangelism.
- (4) The work of the Minister.
- (5) The Church in China.
The Course will deal with the establishment of an indigenous church.
- (6) Music.
- (7) Elocution.

Collateral Reading. There will be collateral reading of prescribed English books in connection with courses (2) and (3).

Chinese Language and Literature

In view of the special stress laid in China on the ability to handle the written language appropriately and effectively, a special effort is made to assist the students in the study of their own language and literature.

- (1) *Literature and Composition.*
- (2) *Selections from the Sung Philosophers. General Literature.*
- (3) *The Ethical Teachings of the Classics. General Literature.*
- (4) *The Earlier and Later Philosophers. General Literature.*
- (5) *The Earlier and Later Philosophers. Chinese History.*
- (6) A continuation of 5.

English

Students whose knowledge of English is insufficient for collateral reading, on the approval of the Faculty may enter English Classes in the School of Arts and Science.

Greek

Qualified students who have studied Greek for at least one year prior to entrance to the School of Theology may take New Testament Greek as an alternative subject, as directed by the Faculty.

Subject to the approval of their Faculty, students in the School of Arts and Science may elect courses in the School of Theology.

SCHOOL OF MEDICINE
FACULTY AND INSTRUCTORS

JAMES BOYD NEAL, *President*, Ophthalmology
†HAROLD BALME, *Dean*, Surgery
†WILLIAM MAGILL SCHULTZ, Clinical Pathology
†WILLIAM FLEMING, Internal Medicine
†CHARLES KIRKLAND ROYS, Anatomy
EDWIN ROBERT WHEELER, *Superintendent of Hospital*,
Surgery
RANDOLPH TUCKER SHIELDS, *Acting Dean*, Histology, Em-
bryology, Parasitology, Anatomy
CHARLES FLETCHER JOHNSON, Hygiene, Obstetrics, Pediatrics
WILLIAM MCCLURE, Internal Medicine
†SAMUEL COCHRAN, Bacteriology, Serology
†WILLIAM P. PAILING, Pharmacy
BENJAMIN MORAY MCOWAN, English
THORNTON STEARNS, Surgery
THOMAS GILLISON, Therapeutics
PHILLIP SAFFERY EVANS, Jr., Physiology
LOUIS HENRY BRAAFLADT, Pathology
CHARLES T. Y. CHENG, Pharmacy, Materia Medica
PETER C. KIANG, Physiological Chemistry
ERNEST BLACK STRUTHERS, Physical Diagnosis, Internal
Medicine
†JOHN STANLEY ELLIS, Radiology, Electro-therapeutics
†LAWRENCE INGLE, Anatomy
†FRANCIS H. MOSSE, Internal Medicine

WANG HWEI WEN, Anatomy
YÜ FU HSIN, Clinical Pathology
YEN BING, Clinical Pathology
DING LI CHENG, Histology
HOU BAO DJANG, Pathology

† Absent 1919-1920

Engaged in translation work under the auspices of the
Publication Committee of the China Medical Missionary As-
sociation:

DJAO TSI SWEN
LU DEH HSING
CHEN TSO MIN

GENERAL STATEMENT

The School of Medicine is situated on the Medical Campus
in the South Suburb of Tsinan, adjoining the general Univer-
sity Campus, from which it is only separated by the Suburb
Wall.

The main school building consists of a large three-storey
central block, with east and west laboratory wings. In
addition to ample classroom facilities, the building contains
large, well lighted laboratories, devoted respectively to Phy-
siology, Physiological Chemistry, Pharmacy, Histology and
Embryology, Pathology and Bacteriology, and the Department
of Practical Anatomy and Dissection. Each of these labor-
atories is fitted on modern lines, with individual equipment
(microscopes, experimental apparatus, etc.) for a class of
thirty to forty students. A special laboratory is set apart for
clinical and pathological investigations in connection with
hospital practice. As soon as funds are available, it is also
proposed to equip a department of Preventive Medicine, and
additional research laboratories.

Adjoining the Medical School is the University Hospital
and Dispensary, with a frontage on the street of 400 feet. The
hospital, which was completed in 1915, provides accommoda-
tion for 115 patients, and is built and furnished in modern
style. The Out-patient Dispensary contains a central waiting
room, with which are connected five large consulting rooms, a
pathological laboratory and operating rooms for surgical and
ophthalmic out-patients.

The School of Medicine possesses its own dormitories and students' commons, and a number of residences for foreign and Chinese members of the staff.

ADMISSION TO SCHOOL OF MEDICINE

Candidates for admission to the School of Medicine are required to have completed at least two years of college grade work, during which they have pursued the requisite laboratory courses in the premedical sciences. They are also required to pass the Entrance Examination; the subjects and scope of this examination are noted below. Entrance Examinations are held in June and in August of each year. For dates and details of examinations, together with specifications for the filing of an Application for Entrance and a Medical Certificate, pass see pages 16 and 17. Graduates of recognized institutions of college grade, who can produce satisfactory evidence that they have completed all the required laboratory courses in full, may be admitted to the School of Medicine without examination.

Candidates who have not taken their full pre-medical course, can do so in the Junior College of the School of Arts and Science. Entrance to this pre-medical course is by the General Matriculation Examination; see page 17. The pre-medical course of study can also be taken in other institutions recognized by the University, provided the requisite amount of laboratory work is devoted to each subject. In all cases, however, graduates of pre-medical courses either in this or other universities will be required to present themselves for the Entrance Examination of the School of Medicine at the conclusion of the pre-medical work.

The subjects of examination, and prerequisites of each, are as follows:

Biology: One paper.

One term of laboratory work in Botany. Anatomy and Physiology of the higher plants; microscopic study of the

lower forms of plant life, classification. Three terms of laboratory work in Zoology. Classification; special emphasis upon the study of structure macroscopic and microscopic and the life-histories of types of Protozoa, Helminths, and Arthropoda. The comparative Anatomy of typical Vertebrates, especially Mammals, including Dissection.

Chemistry: One paper.

Four terms of laboratory work. Inorganic,—metals and non-metals, including a knowledge of the principles of equilibrium, catalysis, dissociation. Analytical,—including the elements of quantitative. Organic,—classification, study of types of compounds, practical experience in organic preparations, with general principles of organic analysis.

Physics: One paper.

Lectures, accompanied by two years of laboratory work; quantitative work in the laboratory with emphasis on the theory of measurement, and a familiarity with mechanical and electrical apparatus.

Psychology: One paper.

Lectures, based on Bruce's "The Elements of Psychology" or its equivalent.

English: One paper.

At least four years' work in English.

Chinese: Two papers.

Chinese Literature and Essay.

The above requirements are based upon the Pre-medical Course in the School of Arts and Science.

COURSE OF STUDY—SCHOOL OF MEDICINE

The course of study in the School of Medicine covers a period of five years, this being in addition to the two-years Pre-medical Course referred to above, which is devoted specially to the Pre-medical Sciences (Chemistry, Physics, and Biology), English, Chinese, and Psychology.

Each year is divided into two semesters of approximately sixteen teaching weeks each. The following curriculum is based upon an average of 30 hours per week, exclusive of the time given to English, no distinction being made in the time value of a lecture hour and a laboratory hour, and each being reckoned as a full 60 minute period.

FIRST YEAR.			
<i>First Semester.</i>		<i>Second Semester.</i>	
	Hours.		Hours.
Anatomy 1	340	Anatomy 2	180
Histology 1	140	Histology 2	70
English	80	Embryology	70
		Physiological Chemistry ...	170
		English	80

SECOND YEAR.			
<i>First Semester.</i>		<i>Second Semester.</i>	
	Hours.		Hours.
Anatomy 3	50	Physiology 2	170
Physiology 1	170	Pharmacology	130
Materia Medica and } Pharmacy	120	Pathology 1	180
Bacteriology and Serology	142	English	80
English	80		

THIRD YEAR.			
<i>First Semester.</i>		<i>Second Semester.</i>	
	Hours.		Hours.
Pathology 1	32	Medicine 2	80
Medicine 1	80	Laboratory Diagnosis 2 ...	64
Therapeutics	64	Surgery 2	80
Physical Diagnosis	64	Obstetrics 1	48
Laboratory Diagnosis and } Parasitology 1	160	Clinical Medicine 1, and } Clinical Surgery 1 } (in groups)	208
Surgery 1	80	English	80
English	80		

FOURTH YEAR.			
<i>First Semester.</i>		<i>Second Semester.</i>	
	Hours.		Hours.
Medicine 3	64	Medicine 4	64
Surgery 3	80	Surgery 4	80
Obstetrics 2	48	Ophthalmology 2	64
Ophthalmology 1	64	Dermatology and } Syphilology 2 }	32
Dermatology and } Syphilology 1 }	32	Pediatrics	48
Clinical Medicine 2, } Clinical Surgery 2 } and Specialties (in groups)	192	Clinical Medicine 3, } Clinical Surgery 3 } and Specialties (in groups)	192
English	80	English	80

FIFTH YEAR.			
<i>First Semester.</i>		<i>Second Semester.</i>	
	Hours.		Hours.
Clinical Medicine 4, } Clinical Surgery 4 } and Specialties (in groups)	288	Clinical Medicine 5, } Clinical Surgery 5 } and Specialties (in groups)	288
Pathology 2	64	Pathology 3	64
Preventive Medicine 1 ...	32	Preventive Medicine 2 ...	32
Nervous and Mental Diseases 1	16	Nervous and Mental Diseases 2	16
Gynecology 1	16	Gynecology 2	16
Operative Surgery	32	Anesthetics	16
Diseases of Ear, Nose, Throat 1	16	Medical Jurisprudence ...	8
Roentgenology 1	16	Diseases of Ear, Nose, and } Throat 2	16
English	16	Roentgenology 2	16
		English	16

All inquiries and requests for further information regarding the SCHOOL OF MEDICINE should be addressed to

THE DEAN,

SCHOOL OF MEDICINE,

SHANTUNG CHRISTIAN UNIVERSITY,

TSINAN.

DESCRIPTION OF COURSES.

SCHOOL OF MEDICINE.

Anesthetics.

Lectures and demonstrations in the administration of various forms of anesthetics: *Fifth year, second semester, one hour per week.* In addition to the above, students receive practical experience in the use of anesthetics during their service in clinical surgery (see Surgery 5 below).

Anatomy 1 and 2.

General Anatomy: Lectures and recitations on Systematic Anatomy are given, but the course largely consists of demonstrations and actual dissection. It is hoped there will always be enough material to allow each student to dissect one-half of an entire body during the course. *First year, sixteen hours per week throughout the whole year.*

Anatomy 3.

Applied Anatomy: This course is designed to help the students apply the knowledge gained in dissecting to the practice of medicine and surgery. *Second year, first semester, three hours per week.*

Bacteriology and Seriology.

Lectures, recitations, and laboratory work: A practical study of the Biology, Morphology, Pathogenicity, and Cultural Characteristics of bacteria. Strains of bacteria most commonly met with in human diseases are given each student for cultivation and study. *Second year, first semester, nine hours per week.*

Clinical Studies.

Commencing with the second semester of the third year and continuing throughout the remainder of the course, the Senior students are divided into three groups for clinical instruction; one group studying surgical patients in the wards and out-patient department of the University Hospital; the second group studying medical patients; and the third group devoting its time to the clinical study of the various specialties (diseases of the eye, ear, nose, and throat, etc., etc.). These groups rotate every three months so that each set of students is enabled to take each of these three courses twice (a Junior and a Senior course).

Dermatology.

A course of thirty-two didactic lectures is given to fourth year students. Clinical demonstrations are also given to fourth and fifth year students.

Diseases of Ear, Nose, and Throat.

This course consists mainly of clinical work in the Out-patient Department, during the fourth and fifth years (see Clinical Studies), and of special lectures and demonstrations in connection with the teaching of Clinical Surgery.

Embryology.

The course in Embryology is given in the second half of the second semester. The study of frog development is first taken up, followed by the practical study of chick and pig embryos, and finally by lectures on human development. Students are required to make serial sections of at least one chick. *First year, second semester, nine hours per week.*

English.

The aim of this course is to enable the students to read medical works in English. The students are divided into four classes according to their knowledge of English, not according to the year of their medical studies. The classes therefore advance independently of their work in medicine. *Five hours per week throughout the whole course.*

Genito-Urinary Diseases.

See under Surgery 5.

Gynecology.

This course consists of lectures and recitations together with demonstrations of clinical cases, as opportunity occurs. *Fifth year, one hour per week throughout the whole year.*

Histology 1 and 2.

This course embraces General and Special Histology and extends over one and a half semesters. Not only the structure of adult tissues and organs is given, but also something of their development. The course is a laboratory one and is made as practical as possible. Students are required to stain and mount their own sections, to become familiar with Celloidin and Paraffin Embedding, Frozen Sections, Cutting Methods, etc. *First year, nine hours per week throughout the whole year.*

Laboratory Diagnosis.

See under Medicine 6.

Materia Medica.

The course embraces lectures and recitations on the names, constituents, preparations, uses and doses of drugs; toxicology and symptoms of poisoning and the general antidotal treatment of same; practice in the recognition of drug specimens. *Second year, first semester, four hours per week.*

Medical Jurisprudence.

A lecture course lasting eight weeks. *Fifth year, second semester, one hour per week.*

Medicine 1, 2, 3, and 4.

Systematic lectures and recitations on the Practice of Medicine dealing with the etiology, pathology, symptomatology, diagnosis, treatment, etc., of diseases. *Third and fourth years, five hours per week during the third year, four during the fourth.*

Medicine 5.

Physical Diagnosis: A practical course in physical exploration of the body and its various organs both in health and disease. *Third year, first semester, four hours per week.*

Medicine 6.

Laboratory Diagnosis: A laboratory course in chemical, microscopic, and bacteriological examination of blood, urine, sputum, gastric contents, feces, secretions, exudates, etc., and their pathological and clinical significance, special attention being given to the acquisition of accurate technique. *Third year, six hours per week throughout the whole year.*

Medicine 7.

Clinical Medicine: In addition to clinical demonstrations upon selected cases in the wards and out-patient department of the University Hospital, students who are taking this course are required to make all investigations of such cases as are allotted to them, including the preparation of case histories, urine analysis, blood analysis, and other forms of special investigation; the recording of the treatment administered, and the progress of the case. Each group of students devotes the following time to this special study.

Junior course, part of third and fourth years, twelve hours per week for three months. Senior course, fourth and fifth years, eighteen hours per week for three months.

Nervous Diseases 1 and 2.

This subject is at present taught in connection with Medicine, with special demonstrations of suitable cases in the out-patient clinic.

Obstetrics 1 and 2.

This course at present consists largely of lectures and recitations, but with the growth of the Maternity Clinic, it is hoped that students will be able to obtain practical experience in obstetrical work. *Third year, second semester; fourth year, first semester, three hours per week.*

Operative Surgery.

See Surgery 6.

Ophthalmology.

This course consists of lectures, recitations, and clinical work in the wards and out-patient department of the University Hospital. *Fourth year, four hours per week, fifth year clinical work continued.*

Orthopedics.

See Surgery 7.

Parasitology.

The course consists mainly of laboratory work. Macroscopic and microscopic study of the more important Protozoa, Helminths, and Insects; the zoological position of the different forms emphasized. *Third year, first semester, one hour per week.*

Pathology.

Pathology 1—General Pathology and Pathological Histology: Laboratory work in general Pathological Histology; demonstrations of fresh and museum specimens; quizzing in General Pathology. *Second year, second semester, three weeks of following year, eleven hours per week.*

Pathology 2—Pathological Anatomy and Histology: Practical instruction in the methods of making post-mortem examinations; detailed study of gross and microscopic appearance of diseased organs and tissues; bacteriological and chemical examinations made when indicated; the relation between morbid conditions and symptoms emphasized. *Fifth year, first semester, four hours per week.*

Pathology 3—Surgical Pathology: Demonstration of fresh material, lectures, and study of mounted sections. *Fifth year, second semester, four hours per week.*

Pediatrics.

The course in Pediatrics is devoted to lectures and recitations with demonstrations of cases. *Fourth year, second semester, three hours per week.*

Pharmacology.

Until a competent pharmacologist can be added to the staff, this course will consist largely of lecture work on the subject. *Second year, second semester, eight hours per week.*

Pharmacy.

Lecture and laboratory work: Manufacturing of various classes of official preparations found in the United States Pharmacopeia, National Formulary, and the British Pharmacopeia; the compounding of prescriptions; familiarization with the common physical, chemical, and pharmaceutical incompatibilities and the methods of overcoming them; lectures on pharmaceutical technique. *Second year, second semester, four hours per week.*

In addition to the above course, students receive practical experience in the compounding of prescriptions in connection with their clinical instruction in the out-patient departments of the University Hospital.

Physical Diagnosis.

See Medicine 5.

Physiological Chemistry.

The course presupposes a thorough training in Chemistry and Physics, such as is outlined in the Pre-medical course.

Instruction in this subject is mainly given by laboratory work, supplemented by lectures and recitations, to the first year class during the second semester, *12 hours per week.*

Courses of instruction are provided to cover the following:—

1. The general chemistry of the cell and various tissues of the body.
2. Chemistry of the carbohydrates, lipins and proteins.
3. Chemistry of digestion, metabolism, secretion and excretion.
4. 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.
5. Volumetric methods of urine and blood analysis.
6. Physico-chemical methods applied to the tissues and fluids of the body.

All the above courses are required of medical students for credit Physiological Chemistry, with the exception of Course 6.

Whenever material is available, a study is made of pathological fluids and concretions. Students 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 each course emphasis is especially given to those parts of the subject which will be of fundamental value to clinical interpretation and medical investigation.

A limited number of senior students or physicians, who have had the requisite preliminary training in Biochemistry, may be admitted

to undertake work of a special character at any time during the academic year.

Physiology.

This course consists of recitations, laboratory work, and discussions on the laboratory experiments. The students work together in pairs; each pair being provided with a kymographion, inductorium, and such additional apparatus as is needed for the usual experiments done in the laboratories of the best medical schools at Home. *Second year, eleven hours per week throughout the whole year.*

Preventive Medicine.

Lectures and laboratory work. *Fifth year, two hours per week throughout the whole year.*

Roentgenology.

Pending the appointment of an expert Roentgenologist, this course is given in connection with general surgery.

Surgery.

Surgery 1—General Surgery: Principles of Immunity, Inflammation, Ulceration and Gangrene; Tumours, Cysts, Diseases of the Blood-vessels, and Surgical Technique. Lectures, recitations, and clinical demonstrations. *Third year, first semester, five hours per week.*

Surgery 2—General Surgery: Surgical Deformities, Orthopedics, Diseases and injuries of the Nerves and Muscles; Bones, Joints, and Spine. Lectures, recitations, clinical demonstrations. *Third year, second semester, five hours per week.*

Surgery 3—Regional Surgery: Surgical affections of the Scalp and Cranium, the Brain and its Membranes, the Lips and Jaws; Mouth, Throat, Oesophagus; Surgery of the Nose and Ear; Surgery of the Neck and Thorax; Surgical Affections of the Breast. Lectures and recitations. *Fourth year, second semester, five hours per week.*

Surgery 4—Regional Surgery: Abdominal Surgery, Surgical Affections of the Stomach and Intestines, the Rectum and Genito-urinary Tract. Lectures and recitations. *Fourth year, second semester, five hours per week.*

Surgery 5—Clinical Surgery: In addition to clinical demonstrations upon selected cases in the wards and out-patient department of the University Hospital, students who are taking this course are required to make all investigations of such cases as are allotted to them, including the preparation of case histories, urine analysis, blood analysis, and other forms of special investigation; the recording of the treatment administered, and the progress of the case. Each group of students devotes the following time to this special study. *Junior course,*

part of third and fourth years, twelve hours per week, for three months. Senior course, fourth and fifth years, eighteen hours per week for three months.

Surgery 6—Operative Surgery: Operations upon animals and upon the cadaver. Demonstrations and practical work. Fifth year, first semester, two hours per week.

Surgery 7—Orthopedics: This course consists at present of special demonstrations in connection with Clinical Surgery Service.

Therapeutics.

This course consists of lectures on the principles of pharmacological and therapeutic action, methods of administration of drugs, their actions and uses in diseases of each system as well as their use in specific diseases. Some time is devoted to the study of the combined action of drugs and to the writing of prescriptions. *Third year, first semester, four hours per week.*

THE UNIVERSITY HOSPITAL

STAFF

Hospital Superintendent: EDWIN R. WHEELER.

Medical Staff: WILLIAM MCCLURE.

WILLIAM FLEMING.

LOUIS H. BRAAFLADT.

Surgical Staff: HAROLD BALME.

EDWIN R. WHEELER.

THORNTON STEARNS.

Ophthalmics: JAMES BOYD NEAL.

Obstetrics: RANDOLPH T. SHIELDS.

Anaesthetics: THOMAS GILLISON.

Clin. Pathology: LOUIS H. BRAAFLADT.

Business Manager: FRANK H. B. HARMON.

Pharmacist: CHARLES T. Y. CHENG.

Pathological Ass't: YÜ FU HSIN.

Res. Medical Officer: CHAI GING REN.

Nursing Staff: Miss MARGARET F. LOGAN, *Nursing Superintendent.*

Mrs. JEANNETTE C. RATCLIFFE.

Miss BERTHA L. DINKELACKER.

Miss EFFIE I. DINKELACKER.

Miss ETHEL POLLARD.

Hospital Chaplain: Rev. WILLIAM P. PAILING.

Evangelists: Pastor NIEH TUNG AN.

TIEN YING CHING.

Bible-woman: Mrs. REN.

The new hospital with accommodation for 115 beds was opened for the reception of patients in 1915. The equipment is a thoroughly modern one, and offers excellent clinical facilities for the students of the upper classes of the School of Medicine. Adjoining the main hospital building is the out-patient department with an average of 150 clinic patients daily. Both are situated in the rapidly growing south suburb of Tsinan, bringing with it increased facility for clinical study. The management of the hospital is under the direct control of the Faculty of the School of Medicine.

TRAINING SCHOOL FOR NURSES

In connection with the University Hospital, a Training School for Nurses was established in 1915, and at the present time contains twenty-two male nurses and eighteen female nurses. The Training School is under the control of the Nursing Superintendent and her associates.

All probationer nurses are graduates of Middle Schools or their equivalents, and in addition to receiving practical instruction in the wards, attend special classes in the subjects prescribed by the Nurses' Association of China.

The Training School is registered under the Nurses' Association, so that graduate nurses, on passing their final examinations, receive the Association Diploma, in addition to that which is given by the School. Members of the Training School are housed in two separate compounds, the female nurses being under the direct supervision of the Nursing Superintendent.

The course of instruction covers a period of four years.

Communications relating to the Training School for Nurses should be addressed to

THE NURSING SUPERINTENDENT,
UNIVERSITY HOSPITAL,
TSINAN, SHANTUNG.

EXTENSION DEPARTMENT - 60

THE TSINANFU INSTITUTE

STAFF

JOHN SUTHERLAND WHITEWRIGHT, *Director.*

TANG EN LIANG.

FRANK HARMON.

Assisted by a staff of three lecturers.

The work of the Tsinanfu Institute is a continuation of that commenced in Tsingchowfu in 1887 and transferred to Tsinanfu in 1904. It was incorporated with the University in 1917 on the occasion of the removal of the School of Arts and Science and the School of Theology to Tsinanfu. It represents the direct influence of the University on social, educational, and evangelistic lines upon all sections of Tsinau and its vicinity, as well as over a wide area beyond, especially upon the educated and student classes. The work of the Institute is carried on mainly through its extensive museum exhibits, distribution of literature, and through the medium of public lectures and addresses.

The museum collections include: historical charts and diagrams, models on transport and communication, apparatus and diagrams illustrating practical scientific applications, diagrams and models giving elementary instruction in physiography, geology, astronomy, natural history, and other lines of scientific and economic interest. Special sections are given up to models on afforestation, and to the subject of hygiene and the prevention of disease.

The three main buildings of the Institute are the Museum and two Lecture Halls, the larger seating five hundred. Not infrequently the latter hall has to accommodate over a thousand people, all standing space being occupied.

There are also reading rooms, library, reception rooms, workshops, and assistants' rooms. A separate department is the department for students of the local government colleges. The Institute reports a total of 400,000 visits for the past year.

The public lectures of the Institute include lectures on afforestation, hygiene, western education, the Panama Canal, the Red Cross, etc., etc. Some of these lectures are repeated to different audiences throughout the city and suburbs.

ALUMNI ASSOCIATION

The University Alumni Association was organized at a meeting held in Weihsien, November 4th, 1916. Graduates of any of the three Schools of the University and graduates of the Tengchow College are eligible for membership.

The present officers are: president, Rev. Li Dao Hwei; vice-president, Mr. Wang Hsi Eh; secretary, Mr. Lien Dji Do; clerks, Mr. Chin Hwa Tang and Mr. Yang Tsin Ging; treasurer, Mr. Tien Hsi Ging.

The Association elects two members of the University Board of Managers.

The membership of the association is about three hundred. All graduates not already enrolled are urged to send their applications for membership to the Secretary.

LIST OF STUDENTS.

(Fall Semester 1919-1920.)

SCHOOL OF ARTS AND SCIENCE.

POST GRADUATE STUDENTS.

臧述溫	Dzang Shu Wen...	...	...	...	...	山東昌邑
劉煥章	Liu Hwan Djang	...	...	...	...	山東臨淄

SENIOR COLLEGE—ARTS AND SCIENCE SENIOR COURSE.

Third Year—Class of 1920.

常籍統	Chang Hsi Tung	...	...	...	...	山東博興
程保衡	Cheng Bao Heng	...	...	...	...	山東蒲台
傅朝亮	Fu Chao Liang	...	...	...	...	山東臨朐
高潤之	Gao Rwen Dji	...	...	...	...	山東濰縣
黃毓桐	Hwang Yü Tung	...	...	...	...	山東濰光
李秉璋	Li Bing Djang	...	...	...	...	山東濰川
李景唐	Li Ging Tang	...	...	...	...	山東濰樓
苗向榮	Miao Hsiang Yung	...	...	...	...	山西太谷
王學召	Wang Hsiieh Shao	...	...	...	...	山東濰光
王天尊	Wang Tien Dzwun	...	...	...	...	山東臨淄
吳承敏	Wu Cheng Min	...	...	...	...	山東益都

Second Year—Class of 1921.

陳元音	Chen Yüen Yin	...	...	...	...	河南信陽
張振汝	Djang Djen Ru	...	...	...	...	山東蒲台
張學德	Djang Hsiieh Deh	...	...	...	...	山東臨淄
趙齡齡	Djao Han Ling	...	...	...	...	山東益都
趙世寅	Djao Shi Yin	...	...	...	...	山東平陰
周寶山	Djou Bao Shan	...	...	...	...	山東濰縣
劉沾恩	Liu Djan En	...	...	...	...	山東濰樓
孟廣斌	Meng Gwang Bin	...	...	...	...	江蘇邳縣
王佩之	Wang Pei Dji	...	...	...	...	山東濰縣

First Year—Class of 1922.

張立志	Djang Li Dji	...	...	...	...	山東沂水
蔣克業	Dzoa Ko Yeh	...	...	...	...	山東齊河
華葆泰	Hwa Bao Tai	...	...	...	...	山東安邱
盧經民	Lu Ging Min	...	...	...	...	山東濰縣
孟昭光	Meng Djao Gwang	...	...	...	...	山東濟陽
茹沛湘	Ru Pei Siang	...	...	...	...	山東濰萊
王安宅	Wang An Djei	...	...	...	...	山東博興
王國鐸	Wang Gwo Do	...	...	...	...	山東臨朐
吳廣治	Wu Gwang Dji	...	...	...	...	山東益都
楊宗孝	Yang Dzung Hsiao	...	...	...	...	山東安邱
楊采	Yang Tsai Ming	...	...	...	...	山東禹城

JUNIOR COLLEGE—ARTS AND SCIENCE JUNIOR COURSE.

Second Year.			
常福元	Chang Fu Yuan...	...	直隸大興
周志學	Djou Dji Hsüeh...	...	山東安邱
董連珠	Dung Lien Dju...	...	山東陵縣
馮德明	Feng Deh Ming...	...	山東沂水
傅盛德	Fu Sheng Deh...	...	河南沂陽
郭乃克	Gwo Ching Lin...	...	山東沂水
許乃克	Hsü Nai Ko...	...	直隸肅寧
黃士本	Hwang Shi Ben...	...	山東滕縣
李善陳	Li Shan Chen...	...	直隸成安
李雲祥	Li Yün Hsiang...	...	直隸藁城
劉德元	Liu Deh Yüen...	...	山東平度
馬九遠	Ma Giu Kwei...	...	山東廣饒
邵廷珍	Shao Ting Djen...	...	山東平度
孫孟夏	Swen Meng Hsia...	...	山東廣饒
孫策功	Swen Tseh Gung...	...	山東平度
秦煥文	Tsin Hwan Wen...	...	山東沂水
王振都	Wang Djen Du...	...	山東平度
吳金鼎	Wu Gin Ding...	...	山東安邱
First Year.			
白光亮	Bai Gwang Liang...	...	山東益都
常景榮	Chang Ging Yung...	...	山東益都
喬鼎慶	Chiao Ding I...	...	山東沂州
張企廣	Djang Chi Gwang...	...	山東陵縣
張同卿	Djang Tung Ho...	...	山東濰縣
張廉德	Djang Lien Ching...	...	山東濰縣
張樂芝	Djang Lo Deh...	...	江蘇淮陰
張玉芝	Djang Yü Dji...	...	山東平陰
張雲程	Djang Yün Cheng...	...	山東桓臺
趙懷禮	Djao Hwai Li...	...	山東益都
鄭德風	Djeng Deh Feng...	...	山東壽光
臧蔭濤	Dzang Yin Tao...	...	江蘇宿遷
高奉珪	Gao Feng Kwei...	...	山東即墨
高星魁	Gao Hsing Kwei...	...	山東安邱
賈振華	Gia Djen Hwa...	...	山東昌樂
靳緒鑫	Gin Hsü Hsin...	...	山東平度
李啟道	Hsiao Chi Dao...	...	山東濱縣
李長年	Li Chang Nien...	...	河南信陽
李文欣	Li Wen Sin...	...	山東益都
劉華安	Liu Djao An...	...	山東安邱
孟憲書	Meng Hsien Shu...	...	江蘇銅山
彭永安	Peng Yung An...	...	山東泰安
石秋田	Shih Chiu Tien...	...	山東萊蕪
孫建灃	Swen Gien Feng...	...	山東新泰
孫鴻章	Swen Hung Djang...	...	山東臨朐

唐鴻俊	Tang Hung Dzün	...	...	...	山東濰縣
曹公廷	Tsao Gung Ting...	...	...	...	山東濰縣
崔鴻澤	Tsui Hung Dzeh...	...	...	...	山東濰縣
崔毓俊	Tsui Yü Dzün...	...	...	...	山東濰縣
王伯福	Tsui Yung Fu...	...	...	...	山東濰縣
王志訓	Wang Bai Sün...	...	...	...	山東濰縣
王宗謙	Wang Dji Chien...	...	...	...	山東濰縣
王金魁	Wang Dzung Kwei...	...	...	...	山東濰縣
王履山	Wang Gin Shan...	...	...	...	山東濰縣
王履培	Wang Li Chien...	...	...	...	山東濰縣
吳文珍	Wang Pei Fang...	...	...	...	山東濰縣
	Wu Wen Djen...	...	...	...	山東濰縣

JUNIOR COLLEGE—PRE-THEOLOGICAL COURSE.

Second Year.				
劉賢佐	Liu Hsien Dzo...	...	...	山東章邱
楊儒林	Yang Ru Lin...	...	...	山東沂水
First Year.				
張中德	Djang Djung Deh...	...	...	山東桓臺
段光路	Dwan Gwang Lu...	...	...	河南汲縣

JUNIOR COLLEGE—PRE-MEDICAL COURSE.

Second Year.				
卞道瓦	Bien Dao Liang...	...	...	山東博興
成正田	Cheng Djeng Tien...	...	...	山西汾陽
張俊傑	Djang Dzün Gieh...	...	...	山東臨朐
張紀成	Djang Gi Cheng...	...	...	山東濰縣
張景伯	Djang Ging Bai...	...	...	山東濰縣
張惠泉	Djang Hwei Chüen...	...	...	山東濰縣
張文煥	Djang Wen Hwan...	...	...	山東濰縣
趙廣倫	Djao Gwang Yao...	...	...	山東濰縣
徐寶和	Hsü Bao Ho...	...	...	浙江上虞
李友鐸	Li Yu Doa...	...	...	直隸北平
李元復	Li Yuen Fu...	...	...	山東齊東
劉其章	Liu Chi Djang...	...	...	直隸清河
劉鍾惠	Liu Djung Hsün...	...	...	山東濰縣
劉景一	Liu Ging Hwei...	...	...	山東濰縣
劉一鵬	Liu I Peng...	...	...	山東濰縣
時清淇	Shi Tsing Chi...	...	...	山東濰縣
施欽仁	Shi Chin Ren...	...	...	山東濰縣
孫建沂	Swen Gien I...	...	...	山東濰縣
田建莖	Tien Yeh...	...	...	山東濰縣
錢景山	Tsien Ging Shan...	...	...	山東濰縣
王兆齡	Wang Djao Ling...	...	...	山東濰縣

UNIVERSITY ENROLLMENT SUMMARY.

(Fall Semester 1919-1920.)

OFFICERS OF INSTRUCTION :

School of Arts and Science	...	...	...	...	36	
School of Theology	...	...	...	...	6	
School of Medicine	...	...	...	...	27	
						69
Duplications	...	...	..	...	4	
Total	...	...	...	...		<u>65</u>

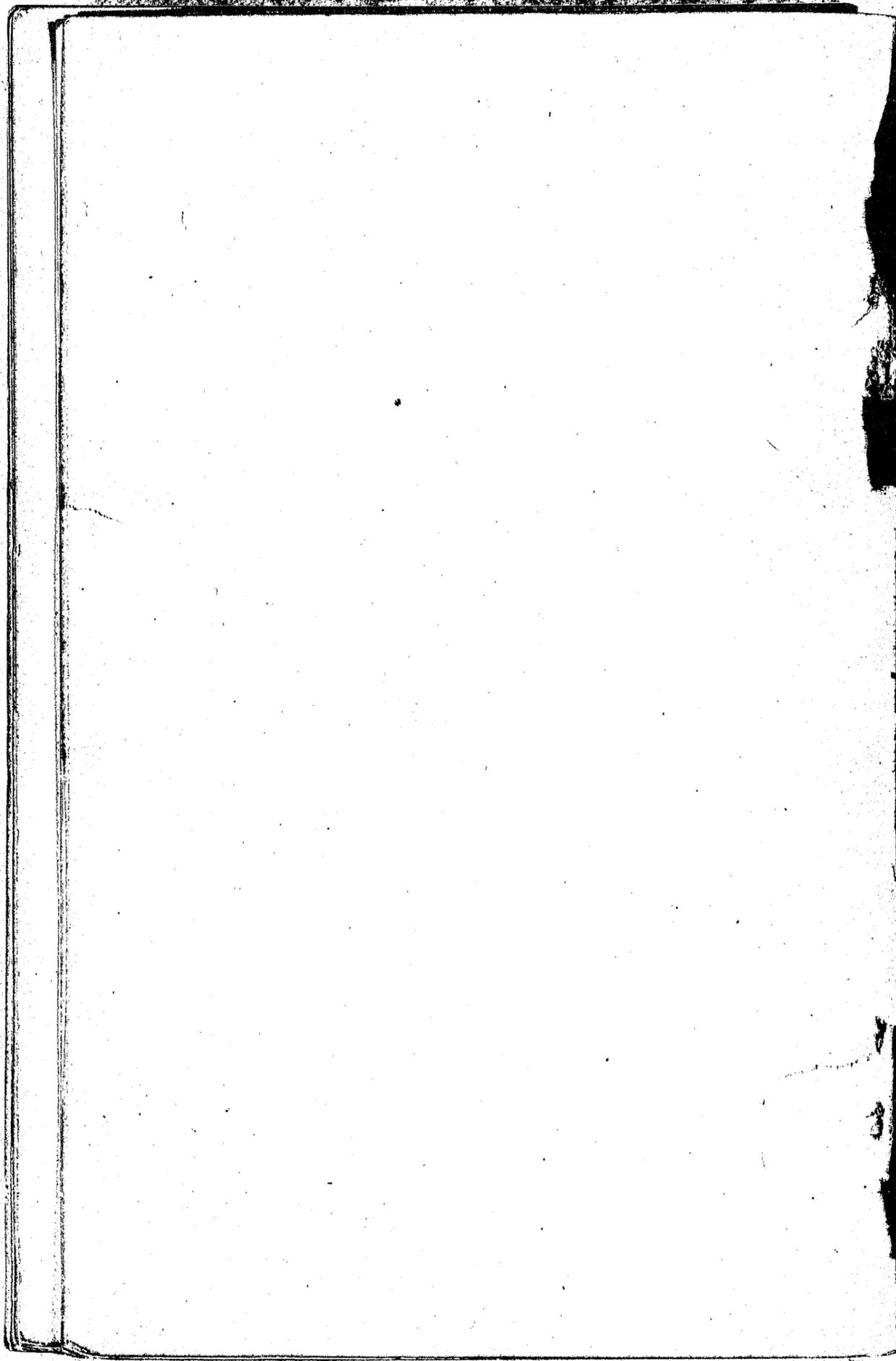
STUDENTS :

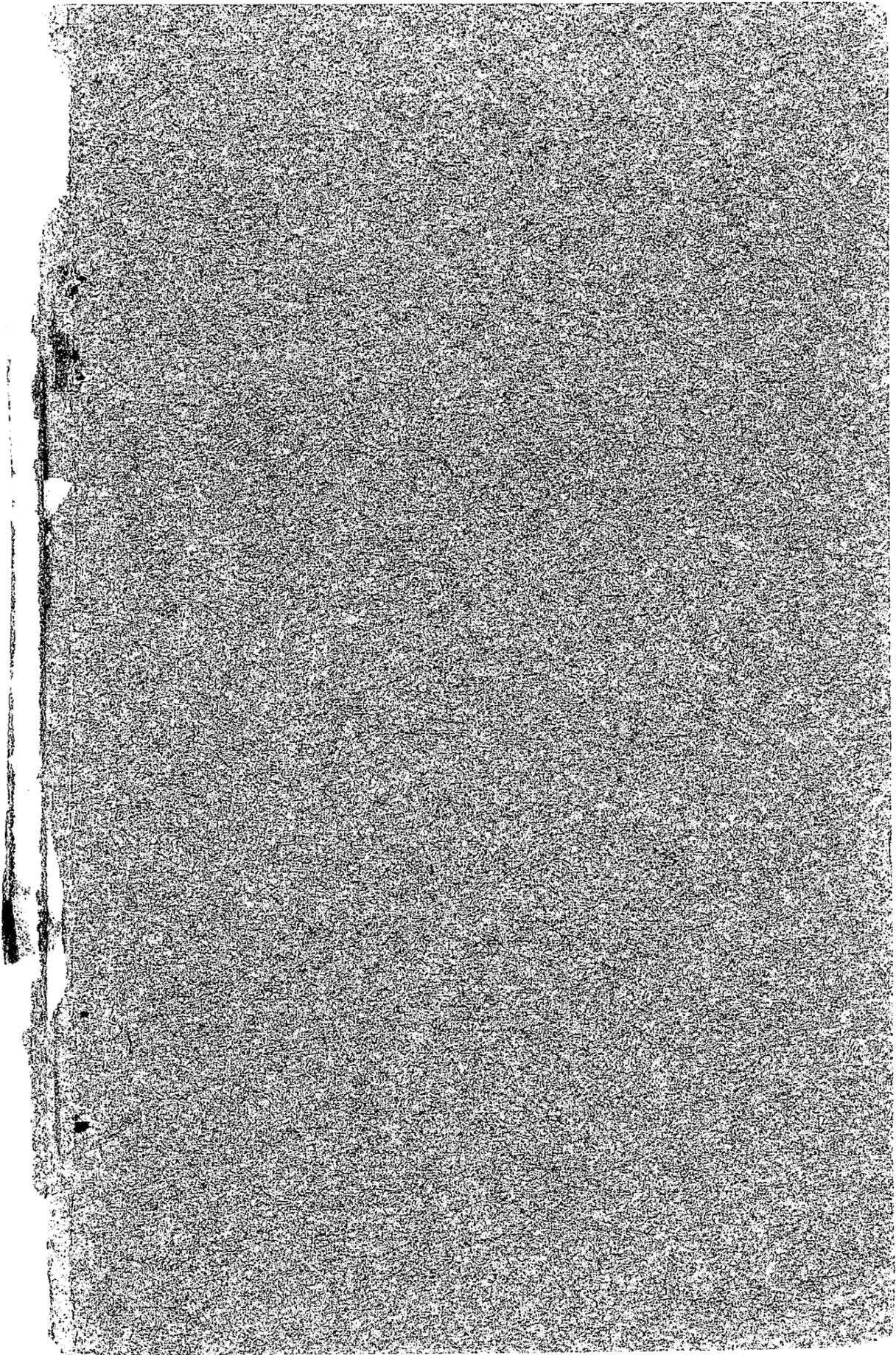
School of Arts and Science :

Post Graduate Students	...	...	...	...	2	
Senior College—Arts and Science Senior Course					31	
Junior College—Arts and Science Junior Course					55	
Pre-theological Course				...	4	
Pre-medical Course			...	...	45	
College Preparatory Classes	...	...	...	...	43	
Special Students	...	...	...	...	6	
						186
School of Theology	...	...	...	...	37	
School of Medicine	...	...	...	...	98	
Total	...	...	...	...		<u>321</u>

GEOGRAPHICAL DISTRIBUTION OF STUDENTS.

Shantung...	...	...	...	...	194
Chihli	...	...	...	...	25
Kiangsu	...	...	...	...	19
Shansi	...	...	...	...	17
Honan	...	...	...	...	14
Hupeh	...	...	...	...	10
Anhwei	...	...	...	...	9
Fengtien	...	...	...	...	8
Chekiang...	...	...	...	...	8
Fukien	...	...	...	...	7
Hunan	...	...	...	...	4
Kwangtung	...	...	...	...	3
Shensi	...	...	...	...	2
Kiangsi	...	...	...	...	1
Total	...	...	...	...	<u>321</u>





Am. Day

SHANTUNG
CHRISTIAN
UNIVERSITY
BULLETIN

No. 19.

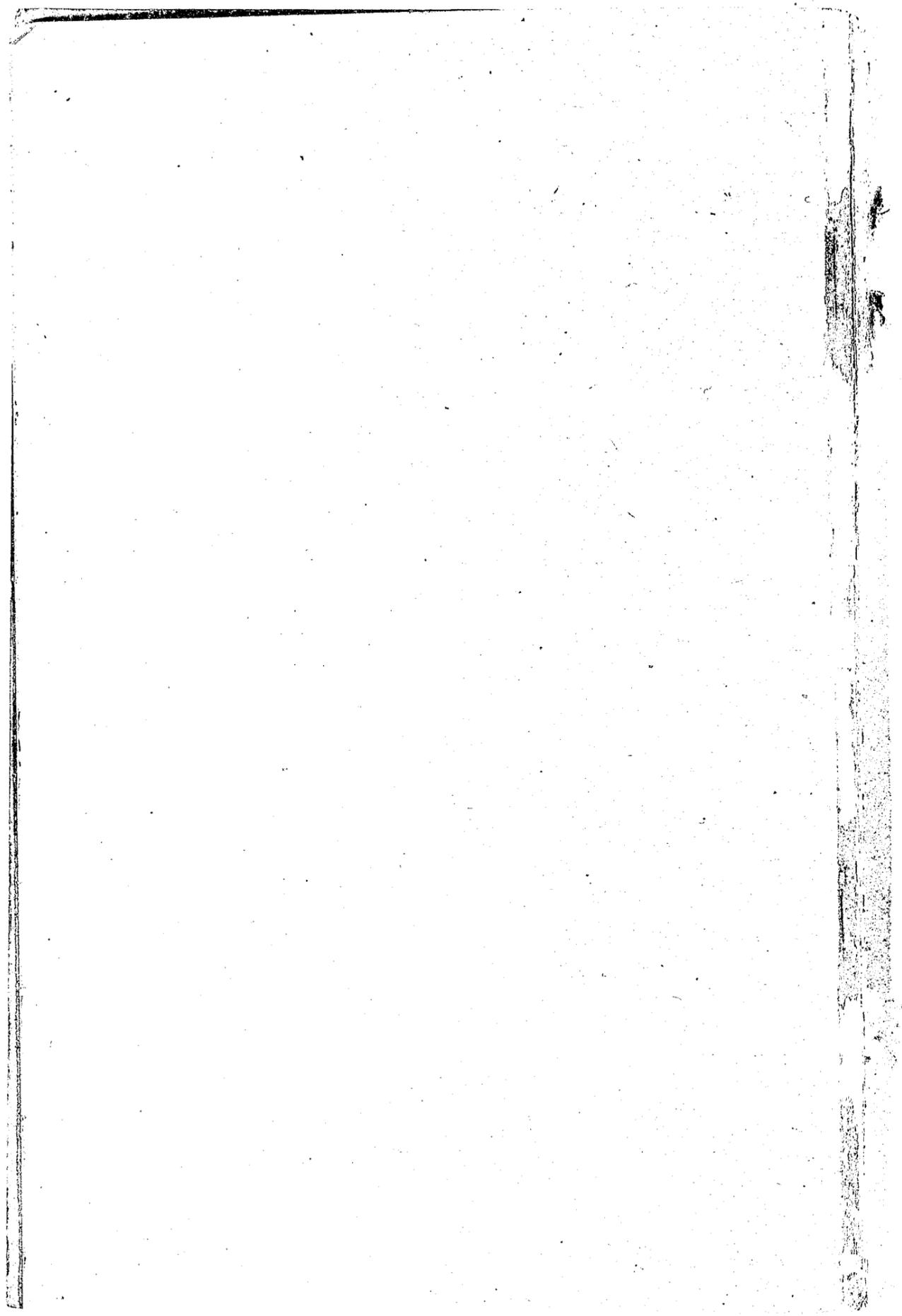
Constitution Tg. 19.

Minutes of Field Board of Managers

June 1920



THE UNIVERSITY PRESS
TSINAN



MINUTES OF THE FIELD BOARD OF MANAGERS

SHANTUNG CHRISTIAN UNIVERSITY

FIELD BOARD OF MANAGERS

Members by Election:

- Rev. Paul R. Abbott, American Presbyterian Mission, North, Chefoo.
*Rev. A. G. Castleton, English Baptist Mission, Choutsun.
*The Right Rev. Bishop Iliff, D. D. Church of England Mission.
Taian. Rev. H. Mathews, Alternate.
*Rev. John Griffith, Canadian Presbyterian Mission, Changte. Honan.
A. C. Hutcheson, M. D., American Presbyterian Mission, South.
Nanking.
*Rev. C. G. Sparham, London Missionary Society, 20 Museum Road,
Shanghai.
Rev. O. R. Wold, Lutheran United Missions. Shekow Hupeh.
Ed. Cundall, M. B., Wesleyan Methodist Missionary Society.
Wuchang.
Mr. G. J. Harter, Alternate.
Rev. H. R. Williamson, English Baptist Mission, Taiyuanfu. Shansi.
*Rev. T. N. Thompson, American Presbyterian Mission, North.
Ichoufu.

Members by Co-option:

- *Rev. J. Walter Lowrie, D. D. 18 Peking Road, Shanghai.
*Mr. Paul MacEachron. A. B. C. F. M., Techow. Sung.
Rev. Cheng Ching Yi, D. D. Quinsan Gardens, Shanghai.

Member Ex-officio:

James Boyd Neal, M. D., President of the University.
Those marked *are members of the Administrative Council.

SHANTUNG CHRISTIAN UNIVERSITY

FIELD BOARD OF MANAGERS

Fourth Meeting of the Board, Tsinan, June 15-19 1920.

161. Members Present.

Messrs Abbott, Ch'eng Ching I, Castleton, Griffith, MacEachron, Mathews, Neal, Sparham, Thompson, Williamson.

162. Election of Officers.

Chairman Rev. C. G. Sparham, Vice-Chairman Dr. J. W. Lowrie, Recording Secretary Rev. A. G. Castleton.

163. Corresponding Members.

Dr. W. I. Chamberlain of the Dutch Reformed Board of Foreign Missions and Dr. T. H. Mackenzie Chairman of the Executive of the Dutch Reformed Church of China were invited to sit as corresponding members.

164. Presentation of Reports.

The following presented reports of the various Schools and Departments.

Dr. James Boyd Neal, President of the University and Acting Dean of the School of Arts and Science.

Rev. Ernest Whitby Burt, Dean of the School of Theology.

Dr. Randolph Tucker Shields, Dean of the School of Medicine.

Dr. Edwin Robert Wheeler, Superintendent of the Hospital.

Rev. John Sutherland Whitewright, Director of the Extension Department.

I. INVITATIONS AND APPOINTMENTS

165. Invitation to Upsala University Representative.

Resolved: That the Chairman be requested to reiterate his invitation to the authorities of Upsala University to personally visit Tsinan and inspect the Shantung Christian University.

166. Co-opted Members.

Voted: That Mr. Chang Poa Lin and Mr. Fong Sec be invited to join on the Field Board of Managers as Co-opted members.

167. Administrative Council.

The following were elected to the Administrative Council. Messrs Castleton, Griffith, Iliff, Lowrie, MacEachron, Sparham and Thompson.

168. Finance and Property Committee.

Messrs Castleton and MacEachron were elected to the Finance and Property Committee.

II. STAFF

169. Mr. Burt's resignation.

The Field Board of Managers accepts with regret the resignation of Rev. E. W. Burt M. A. from the Deanship of the School of Theology. It wishes to register its deep felt gratitude for the long and useful service of Mr. Burt as well as appreciation of his fine Christian spirit as shown in his letter of resignation. The Field Board of Managers notes with great pleasure that Mr. Burt does not resign from the University and requests that he continue as a Professor in the School of Theology.

The Field Board of Managers requests that a copy of this letter of resignation be sent to each of the Home Boards.

170. School of Theology.

That the Field Board of Managers unanimously invites the Rev. John Donald MacRae to accept the post of Dean of the School of Theology.

171. Deanship of the School of Arts and Science.

That this Board extends a unanimous invitation to Dr. Robert Fitch to become Dean of the School of Arts and Science of the Shantung Christian University, and we instruct the Chairman of the Board and the President of the University to enter into correspondence with Dr. Fitch with a view to this end.

172. Minute of Welcome to Rev. J. C. Keyte.

Voted: That the Field Board of Managers would express its gratification on securing the services of the Rev. J. C. Keyte M.A. as University Chaplain, and hereby cordially welcomes him to that important post.

173. Vote of thanks to Rev. J. W. Hunter.

The Field Board of Managers wishes to express its sincere and hearty thanks to Rev. J. W. Hunter for his early return to the University at considerable personal sacrifice and for his assuming the duties of the office of Treasurer and Registrar.

174. Dr. P. L. McAll.

That in accordance with the recommendation of the Faculty of the School of Medicine and the Senate Dr. P. L. McAll be appointed a lecturer and member of the Faculty of the School of Medicine.

175. School of Arts and Science.

That the Rev. J. W. Hunter be appointed an associate Professor and a member of the Faculty of the School of Arts and Science.

176. Lecturers.

That the request of the Faculty of the School of Arts and Science and the Senate for the appointment of the Rev. F. Harmon, Mr. Lin Tsei I and Dr. R. T. Shields, lecturers, in that Faculty be approved.

177. Acting Dean of the Medical School.

Resolved that we confirm the action of the Medical Faculty and the Senate in appointing Dr. Randolph Tucker Shields as acting dean of the Medical School.

178. Dr. C. Y. Ch'eng.

That in accordance with the recommendation of the Faculty of the School of Medicine and the Senate we invite Mr. Cheng to stay on for a further period of two years at the expiration of his present contract, at a salary of \$120 per month and house rent.

179. School of Theology.

That in accordance with the Senate recommendation and upon the approval of the Sub-Committee of the School of Theology the Field Board of Managers appoints Rev. R. M. McHardy an associate Professor and member of the Faculty of the School of Theology.

180. Mr. E. S. Nieh.

That we approve of the request of the Faculty of the School of Theology and the Senate that an invitation be given to Mr. E. S. Nieh to become an associate Professor in the Faculty of the School of Theology at a salary of \$100 per month.

181. Dr. Adolph's Furlough.

That Dr. Adolph be permitted to take his furlough from December 1920.

182. The Office of Treasurer and Registrar.

That we concur with the Senate in the opinion that the offices of Treasurer and Registrar should be separated but that action on this matter be deferred until the next meeting of the Administrative Council.

183. Co-operation with Peking and Nanking Universities.

The following report from the Academic Board was approved as amended below.

Relative to the Memorandum submitted by the Joint Committee representing Peking University and Shantung Christian University, meeting in Peking, we would recommend to the Academic Board:

a. That we favor co-operation between Peking University, Nanking University, and Shantung Christian University.

b. That we recommend the planning of Junior College courses of equal length, and of equivalent standards for these three institutions to facilitate the interchange of students either during the Junior College course or at its conclusion.

c. That we favor in general the development of different courses in the various Senior Arts and Science College of these Universities so as in the main to avoid overlapping.

d. That it is understood the development of such departments in the Senior College of this University is conditional upon the securing of adequate support in staff and funds for maintenance of a distinctly high standard of instruction. It is the opinion of the Field Board of Managers that it will be advisable ultimately to lengthen the present course of study to four years.

e. That the School of Theology be continued as a constituent School of the Shantung Christian University.

f. That we invite the universities of Nanking and Peking each to appoint a committee of three to meet with a similar committee from the Shantung Christian University to consider and make recommendations to the authorities of these three universities on the basis of the above Memorandum. That this committee consist of Dr. Neal, Dr. Shields and Mr. MacRae.

184. Senior College.

Instructions to Committee.

Having regard to the history of the foundation and development of the Shantung Christian University we re-emphasise the fact that the primary purpose of this Institution is the strengthening and developing of the Chinese Christian Church. Therefore it should be the first object to

177. Acting Dean of the Medical School.

Resolved that we confirm the action of the Medical Faculty and the Senate in appointing Dr. Randolph Tucker Shields as acting dean of the Medical School.

178. Dr. C. Y. Ch'eng.

That in accordance with the recommendation of the Faculty of the School of Medicine and the Senate we invite Mr. Cheng to stay on for a further period of two years at the expiration of his present contract, at a salary of \$120 per month and house rent.

179. School of Theology.

That in accordance with the Senate recommendation and upon the approval of the Sub-Committee of the School of Theology the Field Board of Managers appoints Rev. R. M. McHardy an associate Professor and member of the Faculty of the School of Theology.

180. Mr. E. S. Nieh.

That we approve of the request of the Faculty of the School of Theology and the Senate that an invitation be given to Mr. E. S. Nieh to become an associate Professor in the Faculty of the School of Theology at a salary of \$100 per month.

181. Dr. Adolph's Furlough.

That Dr. Adolph be permitted to take his furlough from December 1920.

182. The Office of Treasurer and Registrar.

That we concur with the Senate in the opinion that the offices of Treasurer and Registrar should be separated but that action on this matter be deferred until the next meeting of the Administrative Council.

183. Co-operation with Peking and Nanking Universities.

The following report from the Academic Board was approved as amended below.

Relative to the Memorandum submitted by the Joint Committee representing Peking University and Shantung Christian University, meeting in Peking, we would recommend to the Academic Board:

a. That we favor co-operation between Peking University, Nanking University, and Shantung Christian University.

b. That we recommend the planning of Junior College courses of equal length, and of equivalent standards for these three institutions to facilitate the interchange of students either during the Junior College course or at its conclusion.

c. That we favor in general the development of different courses in the various Senior Arts and Science College of these Universities so as in the main to avoid overlapping.

d. That it is understood the development of such departments in the Senior College of this University is conditional upon the securing of adequate support in staff and funds for maintenance of a distinctly high standard of instruction. It is the opinion of the Field Board of Managers that it will be advisable ultimately to lengthen the present course of study to four years.

e. That the School of Theology be continued as a constituent School of the Shantung Christian University.

f. That we invite the universities of Nanking and Peking each to appoint a committee of three to meet with a similar committee from the Shantung Christian University to consider and make recommendations to the authorities of these three universities on the basis of the above Memorandum. That this committee consist of Dr. Neal, Dr. Shields and Mr. MacRae.

184. Senior College.

Instructions to Committee.

Having regard to the history of the foundation and development of the Shantung Christian University we re-emphasise the fact that the primary purpose of this Institution is the strengthening and developing of the Chinese Christian Church. Therefore it should be the first object to

train men for the three branches of service which most adequately express the Christian life and message, viz: the Christian Ministry and the Medical and Teaching professions.

Assuming that the medical department is adequately provided for, it is considered necessary to refer only to the Theological, and Arts and Science Departments.

With regard to the former, we are of opinion that students should be encouraged to take a full Arts Course before proceeding to Theology and with a view to making suitable provision for such men, it is recommended that special attention be given to the following Arts subjects in the Senior College, viz:-

Psychology	Sociology
History	Philosophy

As regards the teacher-training side we suggest that special attention be given in the Senior Arts College, to the following subjects, viz:-

Chemistry	Economics
Physics	Logic
Pedagogy	English
History	Mathematics.

It is further recommended that more opportunities should be given to Arts students to attain proficiency in the English language, and possibly also Japanese.

From the above it will be clear that we aim at a higher standard for both Theological and Normal students and that extra courses will be required in the Senior Arts College to meet this need.

When this need has been met we would recommend that post-graduate courses be offered in Physics and Chemistry and Education.

185. Preparatory Class.

That the Preparatory class (Fu Ban) of the College of Arts and Science be discontinued from the autumn of 1921.

186. Scholarships Committee.

The report of the Scholarships Committee was sent to the Senate for consideration with the request that it reports to the next meeting of the Administrative Council.

187. University Magazine and University Minutes.

That the President be empowered to make selections from the minutes of the Field Board of Managers, the Senate and the Academic Board, for publication in the proposed Semi-annual University magazine.

188. Extension Department.

The following minute was received from the Director of the Extension Department.

In accordance with Resolution 149 of Bulletin 16, a Conference was held between the Members of the Theological School and the Staff of the Extension Department on May 31, 1920.

Present: Messrs Burt, MacRac, McHardy, Harmon, Tang, Whitewright. After full discussion the following resolution was unanimously adopted.

In order to link up more closely the work of the University with the Extension Department the Staff of the Institute invites each School of the University to elect a member to act with them as an Advisory Committee in all matters affecting the Institute as an Extension Department of the University.

The Field Board of Managers expresses its appreciation of the action taken and requests the Faculties to elect the members for this advisory committee.

189. Soldiers' Institute, Preaching Hall, etc.

The following minute was received by the Board, and the President was requested to write to the Secretary of the English Baptist Mission thanking him for his communication and to assure him that such co-operation as is suggested in the minute would have the hearty encouragement of the Field Board of Managers.

Minute from the English Baptist Mission.

"Resolved that our representative on the Field Board of Managers of the University be instructed that the English Baptist Mission does not regard favourably the transfer of the Soldiers' Institute, the Church Building in the South Suburb, and the Preaching Hall in the West Suburb, to the University, but will gladly welcome any co-operation in the use of these buildings and in the work carried on by them, by Professors and students of the University, believing that close co-operation is both desirable and practicable."

190. The following amended Report was adopted,—

Report of the Committee

on

The Formation of a Translation Bureau.

This Committee met and discussed the above subject and begs to submit the following recommendations to the Field Board of Managers.

I. THE NEED.

The need for a greatly increased, and an increasing output of text-books and works of reference translated into Chinese, for students and University teachers is a crying one.

So great indeed is the dearth of such books that the work in the Senior Colleges of Arts and Science and Theology is in the great danger in the immediate future, of having to be done almost entirely through the medium of the English language.

What this would mean to the clientele drawn from the Chinese Christian Churches we do not like to contemplate. There is too a dearth of works of a solid and helpful nature for teachers and pastors after they have graduated from the University and are seeking to become Christian leaders among their own people.

The provision of such intellectual, moral and spiritual food for the more educated members of the community is surely a burden to be borne by the Christian Universities of China.

There is indeed a danger that unless this need is promptly met, the *raison d'être* of our existence (as a University teaching through the medium of the Chinese language,) may cease altogether. *Your committee therefore recommends the early establishment of a translation bureau as an integral part of the work of this University.*

II. HOW TO MEET THE NEED.

To meet this need, both men and money are required.

In the following remarks and suggestions we shall chiefly confine ourselves to the School of Arts and Science and the School of Theology.

The School of Medicine has for some years realised the need of a translation department and took steps towards the formation of a bureau, which, owing to its relation to the China Medical Missionary Association is fairly well organised and as far as its running expenses are concerned, efficiently financed. Two men (Drs. McAll and Gillison) have been set apart chiefly for the work of translation and one other has been asked for in the recent list of additions needed for the medical staff.

The Committee on Publication and Translation of the China Medical Missionary Association (of which the Medical Translation Bureau is a part) is composed of nine doctors of whom *five* are members of the staff of this University. The Committee has a grant of \$10,000.- a year for the next two years from the China Medical Board, and has an income from sale of books of some \$10,000.- per annum.

As its organisation and finance must be separate from those of the Schools of Arts and Science and Theology, we have in the meantime excluded it from our present purview.

There would doubtless however, be mutual consultation and co-operation between the Medical and other departments.

MEN.

We recommend that one man be set apart by the School of Arts and Science and another man by the School of Theology, to give them—

selves to the work of translation. These two men should of course be in addition to the present staff and should have been for several years resident in China.

How they are to be secured and whether to be supported by individual co-operating missions or by the University as a whole we leave for the consideration of the Field Board.

It is of course not expected that the work of translation would be done exclusively by these two men, but that each of them should be a member of his faculty, should work in consonance with the views of the same, and that say two other members from each faculty should be appointed to the translation bureau. This bureau should in consultation with other Universities and Agencies decide what works should be translated, should find suitable translators either from within or without the University and should supervise the publishing of the works so translated, and the many details connected therewith. We also strongly urge the appointment of *at least one* thoroughly qualified Chinese translator with a competent knowledge of the English and Chinese languages, who should be a full member of the translation bureau.

One or two Chinese writers would also be required and an office or offices in the University Buildings for the use of the Bureau.

FINANCE.

To carry out the above suggestions, we recommend the following budget.

1. Salaries of two foreign translators, say	10,000.
Salary of two Chinese translators	3,600.
" " three writers	1,500.
Grant towards translation expenses	1,000.
Travel of writers etc	200.
Annual Total	<u>\$ 16,300.</u>

In time, sales etc would come in as a help to meet those expenses, but not for the first two or three years to any great extent.

We have not entered into the question of *where* to print and publish. There are many printing establishments in China and this question need not at this stage be mixed up with the need, or otherwise, for a University Printing Press.

Respectfully submitted,
Thos. Gillison.
J. J. Heeren.
J. D. MacRae.

If funds for the above are not forthcoming earlier the Board requests that the Administrative Council should include these items in the budget for 1921 and 1922.

Minutes of the Finance & Property Committee.

Tsinan April 10. 1920.

The following minutes were approved.

191. Present:

Rev. C. G. Sparham; Rev. Paul MacEachron; Rev. A. G. Castleton and Dr. Neal.

192. Resolved:

That we agree to the engagement of Messrs. Murphy and Dana as architects of the University, provided that the American Joint Board approves and is willing to stand back of the University in the matter of expense involved.

193. Agreed:

To approve the expenditure of approximately \$50 from the Building Fund plus the wire screening and other fixtures, which shall be taken from the University Store Room, for providing screens for the dining rooms of the students in the Commons Buildings.

194. **Agreed:**

To authorise the expenditure of \$500 from the Building Fund for the erection of a gas producing plant and tank to provide gas for the laboratories of the University; provided that this sum, in addition to any contribution which may be made by the School of Medicine, is sufficient to cover the cost.

195. **Passed by Circulation:**

1. Appropriation of \$350 to \$400 for furniture for Arts and Science and Theological Schools and the President's office.

196.

2. Various Transfers etc, on the Treasurer's books at the end of the Fiscal year.

197. **Toilets for Chemistry and Physics Buildings.**

That as Building Funds permit we authorize the instalment of suitable toilet arrangements in both the Chemistry and the Physics Buildings at an approximate total cost of \$100.

198. **Charges for Electric Light and Water.**

That charges for electric light and water be increased 10 % from July 1, 1920. Such additional charges to be used towards the upkeep and repair of the power plant.

199. **Typewriter for the Treasurer's Office.**

That we authorize the purchase of a second typewriter for the Treasurer's office.

200. **Typewriter for the President's Office.**

That we also authorize the purchase of a typewriter for the President's office.

201. **Thanks for grant to American Presbyterian Mission.**

The Field Board of Managers notes with pleasure that the American Presbyterian Board has made in addition to its grants to the various schools, an appropriation of \$2500, for the General University Expenses, and it hopes and trusts that the British and American Joint Boards will be able to secure additional grants from the other cooperating missions, the need of such a fund being very urgent.

202. **Appropriation of Grants.**

Voted: That we approve of the \$1000 appropriated by the American Presbyterian Board to the University being allocated to the General University Expenditure.

203. **Cable from British Joint Board.**

The President informed the Board that he had received the following cable,—

"Inform Neal Tsinan British Board regrets can only approve budget if expenditure-income balance."

204.

Voted: That the above telegram relative to the University Finances be referred to the Senate with instructions that care should be taken that the expenditure of the University for the Fiscal year 1920-1921. shall not exceed the income.

205. **Urgent Needs.**

The following items were prepared for presentation to the Inter Church World Movement as being the most urgent needs in the University.

To complete Budget.		16,000
Chapel.		20,000
4 New Residences.		40,000
Land.	inside.	12,000
	outside.	15,000
Telephone.		5,000
Astronomical Observatory.		5,000

Equipment; <i>General</i>	8,000
Hospital	<u>50,000</u>
	\$171,000

206. *Salaries.*

Resolved: That owing to the probability of a deficit on the current expenses of the University during the present year, the Field Board of Managers considers it impossible to consider any increase in salaries at this time.

207. *Budget for 1921. 1922.*

Voted: That the passing of the Budget for 1921 - 1922 be left to the Administrative Council.

208. *Annual Contribution from Shantung Provincial Assembly.*

Resolved: That we express our deep gratitude to the members of the Shantung Provincial Assembly for their decision to contribute a sum of \$5,000 per annum towards the current expenses of the University Hospital and welcomes most cordially this expression of the active interest of the Assembly in this branch of public service.

Further, we express our thanks to the members of the Hospital Advisory Committee for their efforts in negotiating this matter.

209. *Site for Hospital Extension.*

That we recommend that the Advisory Committee of the Hospital be invited to secure the gift of a site for the further development of the University Hospital.

210. *University Staff and Co-operating Missions.*

Resolved: That the following action of the Presbyterian Board of Foreign Missions referred of May 4th. be placed upon our Minutes, and that the attention of the other contributing Boards and Societies be called to it.

"The Board accepted as its definite quota a total of thirteen missionary teachers (and administrators) in the Shantung Christian

University (this being the normal number supported in recent years) and the Board pledged itself to reimburse the University up to \$250 Mexican per month per vacancy, for any expenditure made in filling vacancies that may occur in this quota"

The Field Board would further express its appreciation of this action of the Presbyterian Board, and requests its Secretary to convey its thanks to the authorities in New York.

211. *Erection of a University Library.*

Resolved: That the Field Board of Managers has heard with great pleasure of the intention of the Canadian Presbyterian Mission to provide the funds for the erection of a University Library; and approves of plans being made as soon as funds are available for erection of the same.

212.

Voted: That the Field Board of Managers records its deep sense of gratitude to the congregation of Augustine Church, Winnipeg, Canada, for its recent decision to contribute the splendid sum of \$50,000 gold for the erection of a Library Building and Professor's residence upon the campus of Shantung Christian University; and instructs that a copy of this resolution be transmitted to the officers of that congregation. That we request the Rev. John Griffith to transmit this resolution on behalf of the Field Board of Managers.

213. *Building Committee for the Library.*

That Mr. MacRac, Dr. Heeren, the President and Mr. Castleton form a Building Committee for the University Library.

214. *Repairs for Residences.*

That repairs on houses occupied by members of the University Staff for which repair funds have been appropriated through the University Treasurer, be considered to include interior as well as exterior repairs.

215. Letter from Presbyterian Synod of North China.

The following letter was received from the Synod of the Presbyterian Church of North China.

The Synod meeting of the Presbyterian Church of North China was held at Wei Hsien on the 28th May 1920. The question re Theological students was carefully discussed. The following resolutions were unanimously adopted:

1. As the Theological students have left the University for such long time the representatives of the five Presbyteries are in favor of making preparation for the establishment of a new Theological College for the present time.

2. The proposed new College should follow the tentative constitution as outlined by the representatives of the five Presbyteries.

3. We request the Board of the newly proposed Theological College to suggest suitable methods for the students to return to the University, and to discuss the possibility of their return with a Committee of the University.

On receiving this letter the Field Board of Managers appoints the Chairman of the Board, the President of the University, Dr. Cheng Ching I, Mr. MacRae, and Mr. Castleton to be the committee to meet with the Board of the newly proposed Theological College.

Constitution of the University.

216. Federated System for the University.

After careful discussion of the action of the Senate and of the letter received from the American Joint Board and Dr. Balme on the question of a federated system for the University and because of the difficulties involved, and also of the fact that the present Constitution has not had an extended trial, the Field Board of Managers is agreed that any fundamental change such as federation would involve is inadvisable at this time.

217. Relationship of Senate to the Academic Board.

Voted: That after careful consideration of the action of the Senate as recorded in its Minute 138, the Field Board of Managers is of opinion that the present Constitution has not been given a sufficient trial and should, in general, remain in force for at least one or two years longer.

218. Basis for Withdrawal from the University.

Voted: That the Field Board of Managers at its next meeting takes up the question as to the conditions upon which any co-operating mission shall be allowed to withdraw from the Union.

That Messrs Griffith and Abbott form a Committee to prepare a minute on this question.

219. Date of next Meeting of the Administrative Council.

The next meeting of the Administrative Council is called for January 4, 1921 at 10 A.M.

220. Constitution of Field Board of Managers.

The following amended constitution was adopted.

Art. I. Constitution of the Field Board of Managers.

Sec. 1. There shall be one representative elected or appointed by each of the co-operating missions. Each mission supplying at least six foreign members of the staff shall elect or appoint one additional representative. There shall be two representatives elected by the alumni. In case of the unavoidable absence of a member from any meeting a substitute from the body he represents may be sent. No member of the University staff except the President shall be a member of the Board.

Sec. 2. The period of service for members of the Field Board shall be three years.

Sec. 3. The President of the University shall be ex-officio member of the Field Board of Managers, and Secretary thereof, with the right to move and second resolutions, but without voting power.

Sec. 4. The Field Board of Managers so formed shall co-opt additional Chinese and foreign members of distinctly Christian character and confession as it may deem expedient, to a total not exceeding one-half the number of its elected and appointed members.

Sec. 5. There shall be an annual meeting of the Field Board of Managers, to be held preferably during the University commencement season. Seven voting members shall constitute a quorum. The Field Board of Managers shall elect annually a voting member as Chairman. Special meetings may be called by the Administrative Council.

Art. II. Functions of the Field Board of Managers.

Sec. 1. The Field Board of Managers shall be the executive body and the final authority in China for the government and control of the University.

Sec. 2. It shall maintain close relations with the Joint Boards in North America and Great Britain.

Sec. 3. It shall pass upon and forward to the Joint Boards in North America and Great Britain the annual budget of the University and keep those bodies fully informed of the financial needs of the Institution.

Sec. 4. It shall make recommendations to the Joint Boards in North America and Great Britain with regard to any change in educational policy, the establishment of new departments, enlarged expenditure which would have to be met by home supporters and such other matters as the Joint Board may desire.

Sec. 5. It shall appoint or retire the President, Vice-President, Treasurer, Registrar, Librarian, University Chaplain, Deans of Schools, Director of the Extension Department, Professors, Associate Professors and Lecturers of the University in co-operation with the Joint Boards, the nomination for Dean and the Teaching Staff of any school having been made or approved by the respective departmental Committee of the Board. See Art. III Departmental Committees.

Sec. 6. It shall appoint or retire all other members of the teaching staff and officers of the University either directly or through such bodies as it may appoint. See Art. IX Section 8.

Sec. 7. It shall fix the salaries of members of the University staff whose salaries are not fixed by the co-operating societies.

Sec. 8. It shall make and enforce such rules and regulations as may be necessary for the efficient administration of the University.

Sec. 9. It shall administer and control on behalf of the trustees, either directly or through such bodies as it may appoint, all land, buildings, equipment or other property of the University; supervise the expenditure of all funds duly committed to it; and generally direct the financial and business affairs of the University.

Art. III. Departmental Committees for the Schools

Sec. 1. It shall appoint one committee for the School of Arts and Science and one for the School of Medicine, each of which shall have a special responsibility for the conduct of its own school. These Committees shall be composed of one of the members elected to represent each mission co-operating in these schools with power to nominate for co-option to the membership of the Committee not more than four additional persons, either Chinese or Foreign.

Sec. 2. It shall further appoint a Committee for the School of Theology, which shall have charge of the appointments to and retirements from the teaching staff, curricula, and the general administration of that school. This Committee shall be composed of one of the members elected to represent each mission co-operating in that school, together with one representative, elected by each of the Chinese Churches connected with these missions.

Sec. 3. Any Chinese Church which provides at least \$500,00 annually towards the maintenance of the school, shall be entitled to a second representative on the Committee.

Sec. 4. Further, that whenever the Independent Chinese Churches (Chung Hwa Chi Tu Chiao Hui) representing North China, are so organized that they can, in a corporate capacity, elect their own representa-

tive to serve on this committee they are cordially invited to do so on the same basis as other Chinese communions.

Sec. 5. Each of these committees shall be empowered to nominate for co-option one Chinese to the Field Board of Managers, preferably from its own numbers.

Sec. 6. The President shall be ex-officio member without vote of each of the above Committees. Each dean shall be ex-officio member without vote of the Committee of his school.

Sec. 7. The Deans shall be Conveners of their respective Committees.

Sec. 8. These Committees shall report all matters to the Field Board of Managers for confirmation.

Art. IV. Administrative Council.

Sec. 1. The ad-interim executive of the Field Board of Managers shall be called the Administrative Council of the Field Board of Managers.

Sec. 2. The Council shall consist of seven managers who shall be elected at the annual meeting of the Field Board, together with the President and Vice-President of the University, who shall be ex-officio members without vote. Five voting members shall form a quorum. The Chairman of the Field Board of Managers shall also be chairman of the Administrative Council.

Sec. 3. Regular meetings of the Administrative Council shall be held three times a year and shall be convened by the President. Special meetings to meet emergencies may be called at the request of three members.

Sec. 4. On behalf of the Field Board of Managers and within lines of policy to be indicated by it, the Administrative Council (a) shall administer and control all land, buildings, equipment or other property of the University; shall supervise the expenditure of all funds duly committed to it and shall generally direct the financial and business affairs of the University; and (b) shall have power to take immediate action in all urgent ad interim matters, including provisional appointments to staff, in which delay would be harmful to the University.

Sec. 5. All actions of the Council shall be reported immediately to all members of the Field Board of Managers.

Sec. 6. Decisions of the Council must have a three-fourths majority in order to be valid, and in urgent cases they shall be final if unanimous. In all other cases they shall be final unless within three weeks from the issue of the report a protest is received by the President from at least three members of the Field Board of Managers. In such cases the action in question shall be reserved for consideration by the Field Board of Managers.

Art. V. Finance and Property Committee.

The financial administration, annual auditing of the Treasurer's accounts, upkeep of grounds and buildings, Power Plant, Workshop and Printing Press shall be under the direction of a Finance and Property Committee of the Administrative Council, acting in accordance with instructions of the Administrative Council. The President and Treasurer shall be ex-officio members of this Committee without vote.

IV. Internal Organization

Art. I. Schools and Departments.

The Schools and Departments of the University shall include a School of Arts and Science, a School of Theology, a School of Medicine, a Normal Training Department, an University Extension Department and such other Schools or Departments as shall be determined upon by the Field Board of Managers in co-operation with the Joint Boards.

Note. Only a "School" shall be placed in charge of its own Dean and Faculty.

Art. II. Officers of the University.

The officers of the University shall include the President, a Vice-President, if appointed, Deans of Schools, a Treasurer, a Registrar, and a Librarian.

Art. III. The President.

Sec. 1. The President shall be the official representative of the University; he shall also be ex-officio a member of every Governing Body of the University.

Sec. 2. It shall be the duty of the President in consultation with the Field Board of Managers and the Joint Boards to secure necessary reinforcements for the teaching staff, promote the financial interests of the University, and generally concern himself with all matters affecting its welfare and progress.

Sec. 3. The President shall have general oversight of the several Schools and Departments, of University property, together with the financial and business administration of the University. Subject to the approval of the Field Board of Managers, he may delegate to other University officers such of his supervisory powers as he may desire.

Sec. 4. The President shall be Chairman of the Academic Board and, in conjunction with it, shall be responsible for maintenance of the educational standard of the University, for the well being of the student body as a whole, and for the general academic administration of the University.

Note. The Vice-President shall co-operate with the President in the general administration of the University, and shall act in his stead whenever necessary.

Art. IV. The Deans of Schools.

Sec. 1. The Dean of each School shall have the oversight of the teaching and administration of his School, shall be responsible for its efficiency, and shall in consultation with his Faculty and with the President, use his best efforts to ensure its welfare and progress.

Sec. 2. The Dean shall, in conjunction with his Faculty, be responsible for the discipline of his School, in accordance with Art. XIV.

Sec. 3. The Dean shall be Chairman, executive officer and convener of his Faculty. He shall issue an agenda before each meeting to the members of the Faculty and to the President.

Art. V. The Treasurer.

Sec. 1. The Treasurer shall receive, and as directed by the Field Board of Managers, shall disburse, or otherwise handle, the funds of the University; he shall be responsible for the accurate keeping of the accounts of the University, and for preparing balance sheets, budget sheets and all other financial statements, as the Field Board of Managers shall direct.

Sec. 2. He shall pay all orders signed by persons duly authorized by the Field Board of Managers, provided that the total of such orders on any particular account is within the appropriation made by the Field Board of Managers.

Sec. 3. The administration of the Treasurer's office shall be under the supervision and direction of the Finance and Property Committee of the Administrative Council, and any question as to the legitimacy of an item of expenditure, or validity of an order on the Treasurer, shall be referred to the President, who shall bring the matter before the Finance and Property Committee for its decision.

Sec. 4. He shall study the financial interests of the University, and make recommendations thereon to the Field Board of Managers or to the Administrative Council.

Art. VI. The Registrar.

The Registrar shall be responsible for accurate registration of the entrance and academic records of all students; he shall supply all information concerning entrance requirements to candidates for admission; he shall keep such other records and attend to all other business pertaining to this office in accordance with the instructions of the Senate.

Art. VII. The Librarian.

Sec. 1. The Librarian shall be chairman of the Library Committee, and, in conjunction with that committee, shall have charge of the Library, and shall make and keep a complete catalogue of its contents. He shall, with the approval of the Committee, arrange for the purchase of all additions to the Library, and make regulations for controlling the

use of the Library and Reading Rooms; and he shall perform all other duties pertaining to the office in accordance with the instructions of the Senate.

Sec. 2. There may be sections of the general Library in the several Schools or Departments under the care of Sub-Librarians, as determined by the Library Committee, with the approval of the Senate.

Art VIII. Teachers of the University.

Sec. 1. The teachers of the University shall be classed as Professors, Associate Professors, Lecturers, Instructors and Assistants.

Sec. 2. Professors shall be such whole-time teachers as, by reason of special knowledge and experience, are, in the judgment of the Board of Managers, qualified for the office and have been duly appointed thereto. In Chinese they shall be styled 正教授.

Sec. 3. Associate Professors shall be such whole-time teachers as in the judgment of the Board of Managers are qualified to teach their subject or subjects without supervision by another teacher, but who have not been specifically appointed to the office of Professor. In Chinese they shall be styled 教授.

Sec. 4. Lecturers shall be such teachers as in the judgment of the Field Board of Managers are qualified to be Professors or Associate Professors, but who are giving only part time to teaching in the University. In Chinese they shall be styled 講師.

Sec. 5. Teachers other than those specified above shall be ranked in two grades; the higher grade shall be entitled Instructors. 助教, and the lower grade, Assistants, 副助教.

Art. IX. The Senate.

Sec. 1. There shall be a Senate of the University, composed of the President as Chairman, Vice President, the Deans, the Director of the Extension Department, the Superintendent of the Hospital and one foreigner and one Chinese from each Faculty, elected annually by that Faculty.

The Registrar shall be ex-officio member without vote.

Sec. 2. It shall have charge, subject to the regulations of the Field Board of Managers, of the internal administration of the University, and shall be the final authority within the University in the matters hereinafter stated, and such other matters as may be committed to it by the Field Board of Managers. It shall meet at least once a month.

Sec. 3. It shall make regulations, upon recommendation from the faculties concerned, relating to entrance requirements, courses of study, examinations and granting of diplomas; take such actions as are necessary to co-ordinate the instruction given in the several schools of the University; grant diplomas on recommendation of the faculties; and have general internal direction of the education provided by the University.

Sec. 4. It shall receive recommendations from each faculty concerning any matter affecting the efficiency and development of the school of that faculty, and, if necessary, report the same to the Field Board of Managers with such recommendations as it may deem advisable.

Sec. 5. It shall have power to review, refer back, suspend, or disallow, any act of a faculty which affects any other school or schools of the University, or, in the judgment of the Senate, is not in the best interests of the University as a whole. Any faculty or member thereof may appeal to the Field Board of Managers or its Administrative Council.

Sec. 6. The Senate shall receive and co-ordinate the budgets prepared by the faculties and standing committees, and shall present the co-ordinated budget to the Field Board of Managers.

Sec. 7. The Senate shall, after consultation with the faculties concerned, make recommendations to the Field Board of Managers or the Departmental Committee concerned with regard to the appointment or retirement of professors and lecturers.

Sec. 8. The Senate shall, after consultation with the faculty or faculties concerned, appoint or retire instructors or assistants and all other members of the staff of the several schools not otherwise provided for, and shall fix salaries for the same.

Sec. 9. The Senate shall make recommendations to the Field Board of Managers with regard to appointments to such offices of general

University administration as the Field Board of Managers may determine.

Sec. 10. The Senate shall have power to appoint assistant officers for General University administration to such offices as the Field Board of Managers may create. It shall also have power to retire these officers.

Sec. 11. It shall be responsible to the Field Board of Managers for the general moral and religious well-being of the student body and shall make regulations as it may deem necessary therefor. It shall also formulate general regulations for the discipline of the University, and have power to suspend or expel any student of the University.

Sec. 12. All acts, rules, and regulations of the Senate shall be subject to the review and control of the Field Board of Managers. The minutes of all its meetings shall be circulated without delay among the members of the Field Board of Managers and shall be accessible to the members of the Academic Board.

Sec. 13. The Senate may appoint committees for such objects as it may determine.

Art. X. Academic Board.

Sec. 1. There shall be an Academic Board composed of the President, Vice-President, the Deans, the Superintendent of the Hospital, the Director of the Extension Department and all other members of the several faculties, the Treasurer, Registrar, Librarian and Chaplain of the University.

Sec. 2. It shall make recommendations to the Senate with regard to educational policy, the establishment of new departments, or any other matters affecting the progress and general efficiency of the University.

Sec. 3. There shall be two regular meetings of the Board in each academic year. The President shall be the convener. Special meetings for urgent business shall be called by the President, by the Senate or on the request of any five members of the Academic Board.

Art. XI. The Faculties.

Sec. 1. The Faculty of each School shall be composed of the Dean and such professors, associate professors, and lecturers of the School as shall be appointed to the Faculty by the Board of Managers. The President shall be ex-officio a member of each Faculty. The powers and duties of the Faculty shall include the following:

Sec. 2. To have charge of the instruction in the subjects assigned to it, and be responsible for such other matters as may be committed to it by the Field Board of Managers or by the Senate.

Sec. 3. To regulate the conduct of examinations in the subjects assigned to it, in accordance with the rules and regulations of the Senate.

Sec. 4. To be responsible for the discipline of the students in its School in accordance with the regulations concerning University Discipline stated in Art. XIV.

Sec. 5. To make recommendations to the Senate concerning entrance requirements, courses of study, and granting of diplomas in its own School.

Sec. 6. To make recommendations to the Senate with regard to educational policy and other matters affecting the efficiency and development of the School.

Sec. 7. To make recommendations to the Senate with reference to appointments to staff.

Sec. 8. To make recommendations through the Senate to the Administrative Council with reference to buildings and equipment.

Sec. 9. To prepare the annual budget for its own School and report the same to the Senate, and to have charge of the disbursement of such sums as are committed to it.

Sec. 10. All actions of the Faculties shall be reported to the Senate.

Art. XII. Discipline.

Sec. 1. The general regulations for student discipline shall be formulated by the Senate, subject to the approval of the Field Board of Managers.

Sec. 2. Each Faculty may determine its rules of discipline in accordance with the regulations formulated by the Senate.

Sec. 3. In minor cases of discipline a member of the teaching staff, may, in accordance with the rules of his Faculty, take immediate action which shall be final. In more serious cases report shall be made to the Dean, who, if necessary, shall report to the Faculty for consideration and final action.

Sec. 4. Such flagrant offences as in the judgment of the Faculty may call for suspension or expulsion shall be reported to the Senate for consideration and final action.

Sec. 5. Where a case occurs threatening to involve the general order of the University or the discipline of more than one School, report shall at once be made to the President by the Dean or Deans concerned, or by such other members of the University staff as have cognizance of the matter. The President shall bring it before the Senate, who shall take suitable action. If, however, in the judgment of the Senate, the matter is of sufficient gravity, the Academic Board may be consulted before final action is taken.

Art. XIII. Annual Budgets and Disbursement of Current Funds.

Sec. 1. The disbursement of funds allotted to the several Schools and Departments for equipment and maintenance shall be in charge of the respective Faculties, and the annual budgets for the same be prepared by those bodies. Orders on the Treasurer shall be signed by the respective Deans or their appointees.

Sec. 2. The disbursement of funds allotted for University Administration, not otherwise provided for, shall be in charge of the Senate, and the annual budget for the same be prepared by that body. Orders on the Treasurer shall be signed by the President or his appointees.

Sec. 3. The disbursement of funds allotted to committees, or their sub-committees, shall be in charge of those committees or sub-committees, and the annual budgets prepared by them. Orders on the Treasurer shall be signed by the respective chairmen.

Sec. 4. The several budgets referred to in the above sections shall be co-ordinated by the Senate, and the co-ordinated budget shall be presented by it, together with such recommendations as it may deem wise, to the Field Board of Managers.

Sec. 5. The annual budget for expenditures by the President shall be submitted by him to the Senate, and orders on the Treasurer for such expenditures shall be signed by him.

Sec. 6. Budgets for financial and business administration, as specified in Art, XIII, Sec. 1. shall be prepared by those in charge of the respective services, in consultation with the Finance and Property Committee, and approved by the Administrative Council. Orders on the Treasurer shall be signed by the President or by such others as the Administrative Council may appoint.

Sec. 7. Any transfer of appropriations, or other variations from the Annual Budget, must first be approved by the Administrative Council.

Art. XIV. University Property and Business Services.

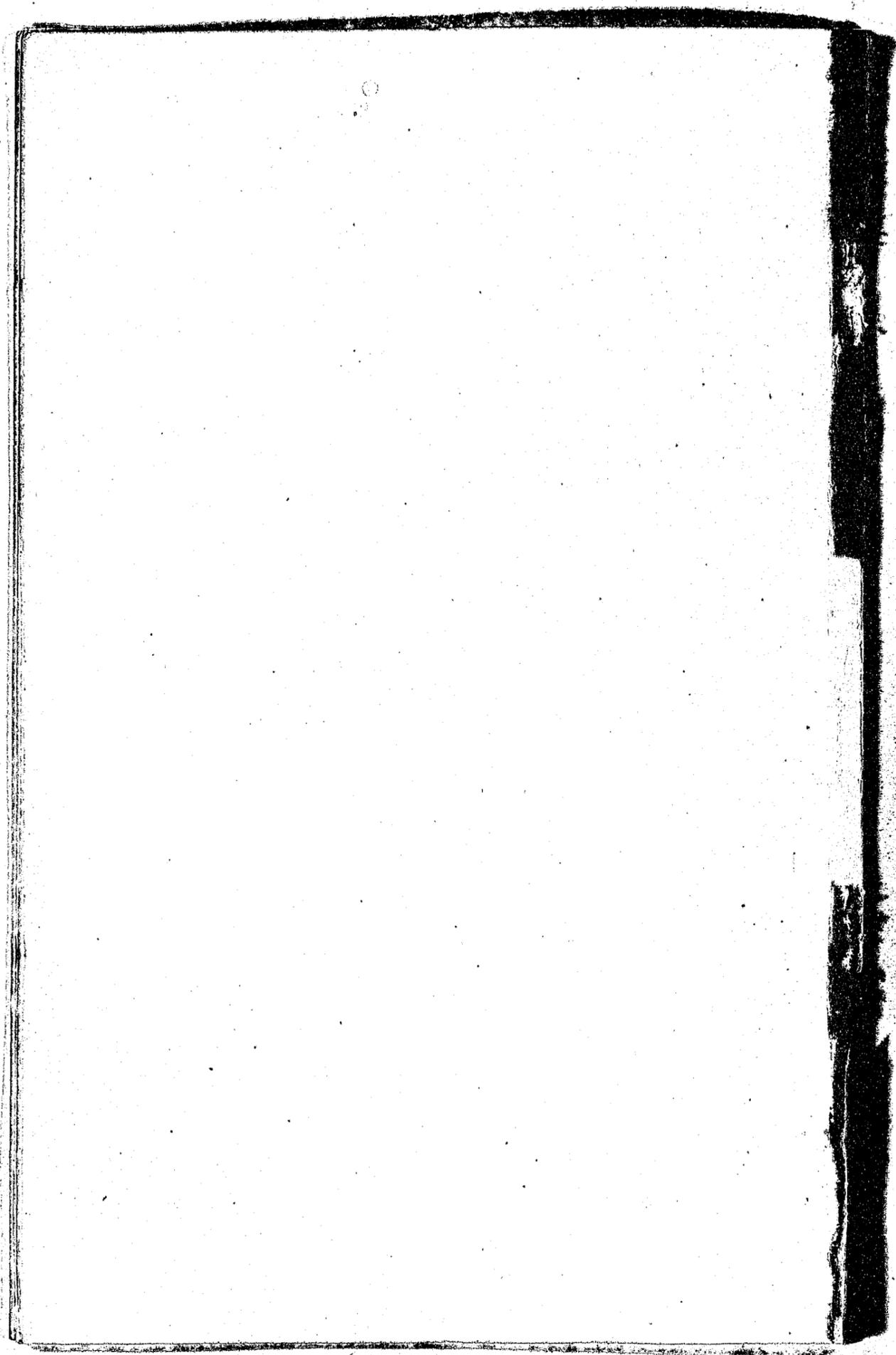
Sec. 1. The Administrative Council shall on behalf of the Field Board of Managers control all capital expenditure on the University Grounds, Buildings and Equipment; appoint architects and builders; pass upon all plans and specifications; and authorize all contracts.

Sec. 2. Plans of buildings for the use of the several Schools shall be presented to the Faculty or Faculties concerned, or in the case of the University grounds and the general University buildings, to the Senate, and opportunity given to those bodies to make recommendations concerning them, which shall be reported to the Administrative Council.

Sec. 3. The Administrative Council may depute such committees as it shall deem expedient to supervise building operations in accordance with the plans which it has approved.

Sec. 4. Orders on the Treasurer for building operations herein provided for shall be signed by the President, or by such others as may be appointed by the Administrative Council.





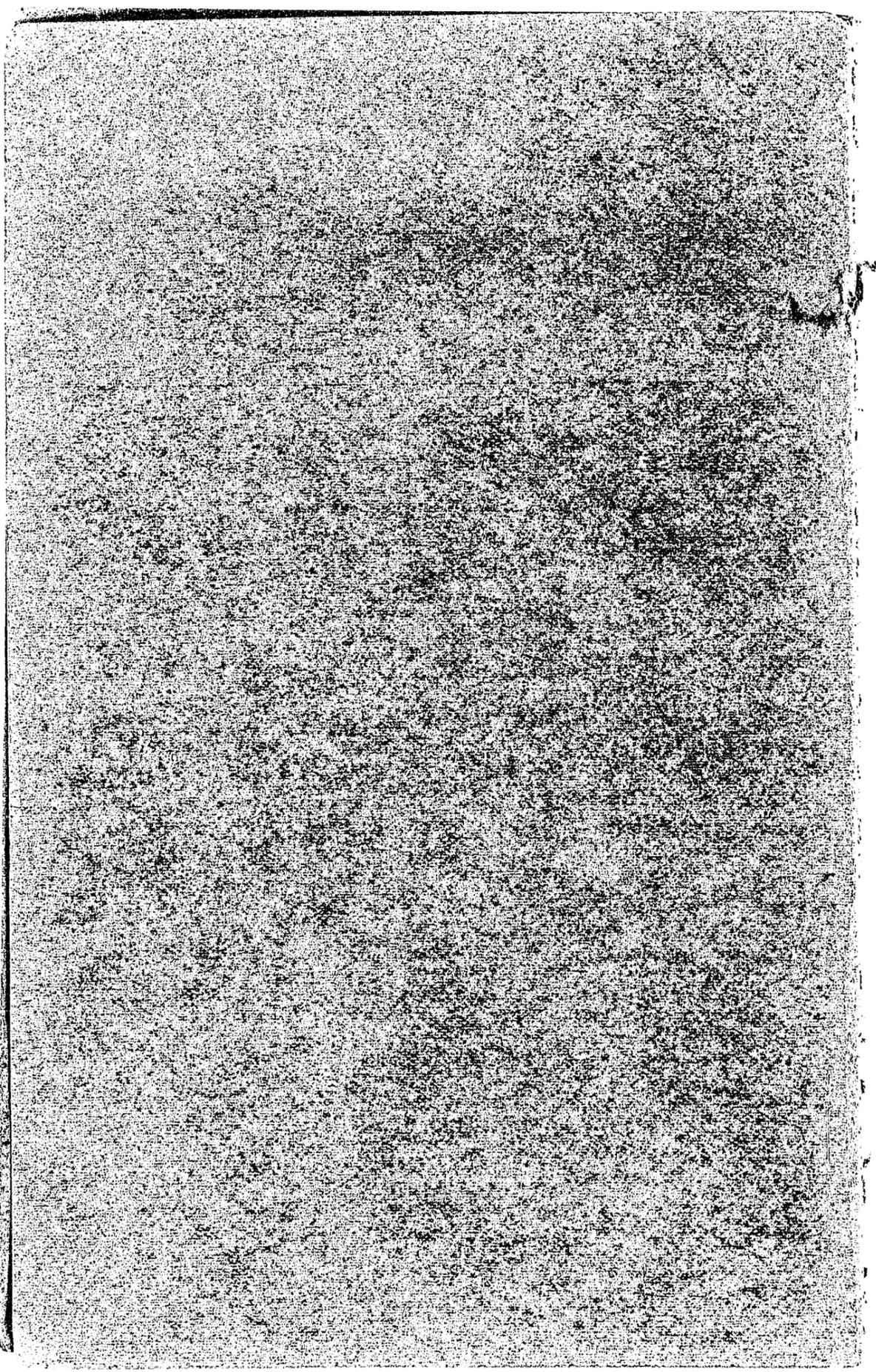




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SCHOOL OF MEDICINE

SHANTUNG CHRISTIAN UNIVERSITY



齊 魯 大 學 醫 科 真 理

SCHOOL OF MEDICINE

SHANTUNG CHRISTIAN UNIVERSITY

齊魯大學醫科專修

一月十二日 星期三

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一月十四日 星期五

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齊魯大學醫科章程

侯寶璋

丁立誠

燕瓊

于復新

王會文

孟合理

杜儒德

慕如賓

應樂仁

艾禮士

誠宗一

英國文學士醫學士外科學士

文學士醫學博士

英國醫學家大學教授員

文學士醫學士外科學士

英國醫學家大學外科學士

五

病理學

組織學

病理學實驗室

病理學實驗室

解剖學

編譯

診斷學

內科學

解剖學

X光線學及電療學

藥物學製藥學

江清 文學士醫學博士

馬考文

裴偉廉

寶福德

車助華

易文士

柯德仁

紀立生

羅維廉

章嘉理

施爾德

齊魯大學醫科章程

文學士醫學博士

醫學博士

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英國醫學士外科學士

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文學士理學博士

英國醫學家大學醫學士

生理化學

英文

製藥學

病理學

外科學

生理學

細菌學血清學

藥學兼編譯主任

內科學

小兒科產科及衛生學

組織學胎生學寄生生物學

本科內部之管理則歸科長及教職員會行之

坎拿大差會 坎拿大長老會

美國差會 北美長老會 南美長老會 路得會

英國長老會

英國差會 浸禮會 安立甘會 倫敦會 循道會

學科之教會凡九概括言之屬於英國者五美國者三坎拿大者一類別如左

由協辦本科之教會所派之代表及另請富有教育經驗之若干員組成之現在協辦本

本科歸齊魯大學理事部管理包舉英國聯合國美國聯合國暨華董事部各部該部

醫學專門學校合成者

大學醫科及漢口大同學校亦歸併於濟南本醫科是以今茲之齊魯醫科係上述四

在一九一六年與一九一七年之交經中國博醫會之醫學教育會議建議將南京金陵

之費並每年協助二萬元作本科經常費以五年為限

改組北京協和醫校將該校學生三班咨送來濟同時撥款五萬元為擴充校舍及儀器

院概為英國浸禮會所經營當時任命公共醫道學校及至一九一六年羅氏駐華醫社

齊魯大學醫科創自一九〇九年由英國愛禮會與北美長老會合辦原有校舍及養病

本科沿革

藥 藥 藥

陳 庭 庭

趙 齊 齊

魯 德 德

編譯部 由中國博醫會暨醫藥委員會擔任

齊魯大學醫科章程

皆得受醫本科之學考試

科所須準備之科目練習之然無論在本大學抑或他大學所設之醫預科畢業業者
 所詢問可函達本大學登記員又醫預科課程亦得在本大學所認之學校內照本醫
 之詳章在文科科長處函索即寄入醫預科者須經普通入學考試如關於此種考試有
 醫學者如未實習準備醫之各學科可在齊魯大學文科初級班學習之此種醫預科
 之大學畢業者如取得本科所需實驗課程合格之保證得逕入本科免予考試
 試前須向本大學登記處填寫正式入學請求書及醫士驗體證書至於在本科所認可
 考試題及範圍如後每年陽歷六月八月招考新生
見表一
 校期
 頁試
 在舉行考試時或考
 有志醫者須在大學修業至少二年將準備醫之各種學科實習嫻熟並須經入學

入醫科規程

之用

在醫科院內設有宿舍五所特為本科學生寄宿者別有住宅若干為中西教員居住
 分科實驗室及外科眼科等之診察室

落成養病所能容病人百五十人設純粹新式診病所大廳為接待室連以門診室五
 齊魯大學醫院之養病所及診病所與本科毗連該院廣凡四百英尺在一九一五年起
 醫院可資臨時實習及病理究一俟經費有著即擬辦防疫醫學一科及研究所數起
 悉按新法設備儀器皆每生各一如
 實驗
 器械
 各室能容學生約三四十人別有齊魯大學
 化學製藥學組織與胎生學病理解剖學等學科分門實習之用各實驗室
 西各聯一翼樓內容除宏敞之教室外備有寬大透光之實驗室若干專為生理學生理
 醫學科設在濟南兩南關與齊魯大學總校址相隔一郭垣醫科校宇為三層大樓一座東
 醫科之規模及校址

入學資格

考試科目及各科目之程度如左

生物學 一場

程度 至少有一個學期植物實習三個學期動物實習

考試綱領 高等植物之解剖學及生理學及下等植物之分類及顯微鏡檢查 動物

學動物之分類動物腸胃類及節肢動物之生活應用與顯微鏡所見之構

結構形表樣的脊椎動物^{乳哺類}之比較解剖學包括實地解剖

化學 一場

程度 四個學期化學實習

考試綱領 無機化學金類及非金類須明瞭平衡分解觸化功等之要理 分析

化學包括初級定量分析 有機化學分類化合物之基形有機物藥品之實驗與

物理學 一場

程度 四個學期講義實習

物理學 一場

考試綱領 實驗室之定量工作特別注重測量學說及燃熱機械與電具之使用

心理學 一場

程度 四個學期心理學聽講

考試綱領 以卜道成氏心理學或任何其他相當之書為標準

英文 一場

程度 習英文四年者

國文 二場

文藝及論說

齊魯大學醫科專程

內科學一	八〇	實驗診斷	六四
病理解學一	三三	內科學二	八〇
上學期	時間	下學期	時間

第三學年

英文	八〇	英文	八〇
細菌學及血清學	二四	英文	八〇
藥物學及製藥學	二〇	病理解學一	八一
生理學一	七〇	藥效學	〇三
解剖學三期	五〇	生理學二	〇一
上學期	時間	下學期	時間

第二學年

英文	八〇	英文	八〇
組織學一	四〇	胎生學	〇七
解剖學一	四三	組織學二	〇七
上學期	時間	解剖學二	〇一
		下學期	時間

第一學年

鐘核算

星期三十小時計算而英文時間在外聽講與實習時間合而未分每小時概以六十分
 本科學級為五學年每學年分上下兩學期每學期講授十六星期後列課程表按每

醫科學級

外科手術學	三三	迷蒙藥學	六一
婦科學一	六一	婦科學二	六一
精神病學一	六一	精神病學二	六一
防症衛生學一	三三	防症衛生學二	三三
病理學二	六四	病理學三	六四
內科臨牀實習四及他等專科	二八	內科臨牀實習五及他等專科	二八
上學期	時間	下學期	時間

第五學年

英文	八〇	英文	八〇
內科臨牀實習二及他等專科	一九	內科臨牀實習三及他等專科	一九
皮膚病學及花柳病學一	三三	小兒科學	八四

眼科學一	六四	皮膚病學及花柳病學二	三三
產科學二	四八	眼科學二	六四
外科學三	八〇	內科學四	八〇
內科學三	六四	內科學四	六四
上學期	時間	下學期	時間

第四學年

英文	八〇	英文	八〇
外科學一	八〇	內科臨牀實習	二〇
實驗診斷及寄生物學	六一	產科學一	八四
察體診斷	六四	外科學二	八〇

解剖學三 應用解剖學此科大意乃教授學生將實地解剖所得之學術應用於內外

一 學年內至少須解剖人體之半 本科第一學年每星期十六小時

解剖學一與二 系統解剖學以講解口試諸法教授然尤賴實地解剖證明之每生於

小時 此外在外外科臨症內尚有實地練習(參觀外科五)

施迷藥術 各種施迷藥術以講解及指示諸法教授 本科第五學年下學期每星期一

各學科教授大意

濟南齊魯大學醫科科長可也

凡關於本學科有所詢問請函達

內住宿

學生宿舍附設有廚房膳室等項然欲自行處理其伙食者聽便各生皆得在宿舍

雜用等費年在百圓左右

膳費籍川資等概歸自備濟南伙食月須四五圓故際川資外每生所需膳費書籍及

膳費擔保證金 每 年 五圓九月份繳付

宿舍舍費 每學期 二圓

體育費 每學期 一圓

學費 每學期 二十圓

在本科五學年內須繳納之費如左

學膳費

英文

光線學二

耳鼻喉科二

裁判醫學

英文

光線學

耳鼻喉科

齊魯大學醫科章程

實驗診斷 參觀內科六

第一學年 每星期九小時

及其進化教授法所注重者乃使學生能得各種實驗之技術如染色切片設置等等本組總學一與二此科包括普通組織學與特別組織學研究各器官已成之組織兼涉

婦科學 以講解口試並臨牀說明諸法教授本科第五學年每星期一小時

花柳病學 參觀外科五

學雜誌兼用英文詳述病歷本科第三四學年俱有每星期四小時

英文 此科本意乃使學生熟悉醫學各專科之英文名詞以備將來能涉獵英文醫

生至少須在顯微鏡下查考一全雞胎生之切片本科第一學年下學期每星期九小時

胎生學 此科首先研究蛙之胎生繼考雞豚之胎生終則講解人體之胎化每學講解並說明

耳鼻喉科學 此科俱在診病所門診實習本科第四學年 在臨牀外科內另有特別

皮膚病學 系統講義共三十二次本科第四學年 臨牀說明第四學年

在本校附屬之診病所與養病院

每組三個月調換一次共須調換二次計每科實習之時間約有六月之久實習地點即

門診實習甲組授以內科乙組授以外科丙組授以眼耳鼻喉諸專科三組輪流調換

臨牀講義門診實習 自第三學年下學期起直至畢業全班分為三組授以臨牀講義之侵犯力及人體之反應力

學之種種技能本科第二學年上學期每星期九小時 血清學研究血清之化學成分與細菌

以講解口試實地練習諸法教授學生務須培養各種傳染病之細菌俾養成關於細菌

細菌學與血清學 細菌學研究細菌之生理形成種類生殖之特性與其致病之原理

科臨症本科第二學年上學期每星期三小時

矯形學 參觀外科七

小時

眼科學 以講解口試與在診病所門診實習講義諸法教授本科第四第五每年星期四

實習講義本科第三學年下學期第四學年上學期每星期三小時

產科學 一與二 此科暫時以講解口試諸法教授俟將來本院產科發達再授以臨牀

精神病學 一與二 此科暫時設於內科在門診實習時有特別之指示

高級組本科第四學年每星期十八小時共三個月之久

初級組本科第三學年每星期十二小時共三個月之久

增減學生每組所習之功課表如左

病症查研究如備述病歷便通分析血液分析與他等之查驗記錄治療治法及病勢之

內科學七 除在養病院診病所於數種選擇病症臨牀指示外學生習此科者另派有

學年每星期六小時

以及他等之排泄品與參出物並研究其病理與臨症之關係此科注重技術 本科第三

內科學六 實驗診斷以化學微鏡及細菌檢查法之諸技術查驗血凝膠胃內物糞

期每星期四小時

內科學五 察體診斷實習觀察健康及疾病之體之各部並各器官 本科第三學年上學

法教授本科第三學年每星期五小時第四學年每星期四小時

內科學 一與二 三 四 研究各種病症之病源病理病狀診斷及療治法以講解口試諸

裁判醫學 講解教授共八次本科第五學年下學期

內本科第二學年上學期每星期四小時

諸法教授毒藥學之種種病狀及療治中毒法亦兼涉及練習認識藥物之標本亦在其

藥物學 研究各種藥物之名稱化學成分配製法及其生理效用與分別以講解口試

(三) 消化新陳代謝排泄品滲出物之化學

(二) 水炭化合物脂肪蛋白質之化學

(一) 人體細胞與各類組織之普通化學

以講解口試及實物教授本科第一學年下學期每星期十二小時教授之程序如左

生理化學 入此科之資格須熟悉物理化學與醫預科規定之程度相等注重實驗在

察體診斷 參觀內科五

此外學生尚能於診所門診實習時得調製各種藥方

須熟悉各種按物理化學藥性禁忌之規條並控制之術本科第一學年下學期每星期四小時

製藥學 以講解實驗教授學生按英美諸國藥劑與調製藥方書配製各種藥物

每星期八小時

藥物皆試施於下等動物以觀其效驗如血壓呼吸腸蠕動便溺等等 本科第三學年上學

藥效學 習此科者必先已習生理學與生理化學二科注重實驗凡近代醫家應用之

小兒科 以講解口試指示諸法教授本科第四學年下學期每星期三小時

年下學期每星期四小時

病理學三 外科病理學以講解指示新得之標本詳細考察裝置之切片 本科第五學

期每星期四小時

方法或細菌檢查法死後患部之病源與生前病狀之關係詳細研究 本科第五學年上學

病理學二 病理解剖學授以病體之解剖術查驗其患部研究其病源時或應用化學

科第二學年下學期對三學年上學期每星期十一小時

病理學一 普通病理學以講解授以組織病理學注重實驗兼常說明新陳之標本本

鏡下查驗之並注重諸類於動物學中之定位本科第三學年上學期每星期二小時

寄生物學 注重實驗凡緊要之原動物腸蟲以及昆蟲類皆一一解剖切片置於顯微

(四) 生理化學之作用能在體外做效試驗者如梅醇於消化之功用

(五) 便溺與血液定量分析法

(六) 物理化學之方法施用於人體之各組織與各液質

除第六外凡醫學生必習以上諸科方為及格或時時研究病體之液質或結質學生並須自解決新陳代謝之問題如是以熟悉各種化學之方法與夫飲食學之繼奧凡與臨牀講義醫學專考有根本關係者皆宜研究之

限定之高級生或畢業生曾有生理化學之基礎學者可入此科研究近代各種生理化學之問題

生理學 以口試實驗討論諸法教授學生二人為一聯每聯備有血液針一感應電機

一 以及他等應用之儀器本科第二學年每星期十一小時

防症衛生學 以講解實驗諸法教授本科第五學年每星期二小時

外科學 一 普通外科如免疫大義發炎潰爛成疔癰疽癰管與外科技術以講解口試與臨牀指示諸法教授本科第三學年上學期每星期五小時

外科學 二 普通外科如畸形腦經肌肉之受損與病節骨椎之受損與病症以講解口試與臨牀講義諸法教授本科第三學年下學期每星期五小時

外科學 三 局部外科如頭蓋顱底顱旁顱面顱與腦膜之外科病症屬下領上領口咽食管之病症耳鼻喉之專科頸及胸之外科乳之雜症以講解口試諸法教授本科第四學年上學期每星期五小時

外科學 四 局部外科如腹部外科胃腸直腸尿管之雜症以講解口試諸法教授

本科第四學年下學期每星期五小時

外科學 五 除在養病院診病所於數種選擇病症臨牀指示說明外學生習此科者另派有病症考查研究如備述病歷便溺分析血液分析與他種之查驗記錄治療法及病

齊魯大學醫科專程

眼科醫務員

曹會東

車助華

曹義路

外科醫務員

巴崇德

江清

杜儒德

寶福德

內科醫務員

羅維廉

院長

曹義路

職員

齊魯大學醫院

等技藝俾後能將近科學發明之技術應用於診斷療治

本科新添X光線以及各種電療儀器為診斷各種雜症凡本科高級生可實地練習此

以講解口試教授且兼研究調製與方本科第三學年上學期每星期四小時

療治學 凡療治之總旨藥物施用之方法以及其於各系統病症並特殊病症之效用

明

外科學七 矯形學在外科門診實習或臨牀講義凡遇有畸形病狀者皆特別指示認

學期每星期二小時

外科學六 解剖手術教授各種剖治技術於下等動物體上或屍體上本科第五學年上

高級組本科第四學年每星期八小時共三個月之久

初級組本科第三學年每星期十二小時共三個月之久

勢之增減學生每組所習之功課表如左

本院坐落濟南南關市面日趨繁盛於病症診察之利便上將隨之俱進
 式醫科高級生實習其間獲益良多接近養病院有診所每日門診者平均百五十人
 齊魯大學醫院開幕於一九一五年規模宏敞病牀一百五十位鑿設設備悉本新

女 佈 道

任 師 娘

敬 奠 儀

傳 教 士

聶 同 安 牧 師

醫 院 教 員

裴 偉 廉

王 長 祿

陳 盛 林

王 貴 玉 女 士

尉 寶 玉 女 士

護 士

護

主 任 看 護

包 德 鄰 女 士

看 護 科 長

丁 美 蘭 女 士

住 院 醫 士

羅 根 安 女 士

病 理 助 診

柴 繼 聲

于 復 新

藥 劑 師

一 誠 宗

無 務 主 任

裴 恒 聖

臨 牀 病 理

裴 福 德

產 科 醫 務 員

施 爾 德

本醫院直接濟魯大學醫科教職員會之管理

附設看護學校

本大學醫院附設之看護學校與醫院同時成立於一九一五年今茲就學之男看護達

二十二名女看護十八名看護學校之設施由看護科長與主任看護支配之

看護生須中學畢業或具有與中學畢業相當之資格者除在養病院實習看護外得遵

照中華看護學會所定科目上課

看護學校既經中華看護學會之認可故畢業考試合格之看護除頒發本校文憑外並

得領取該會之文憑看護生住所分兩組女生居看護科長宅內

本校教授程度為四學年另有詳章如奉閱函謹

山東濟南齊魯大學醫院看護學校

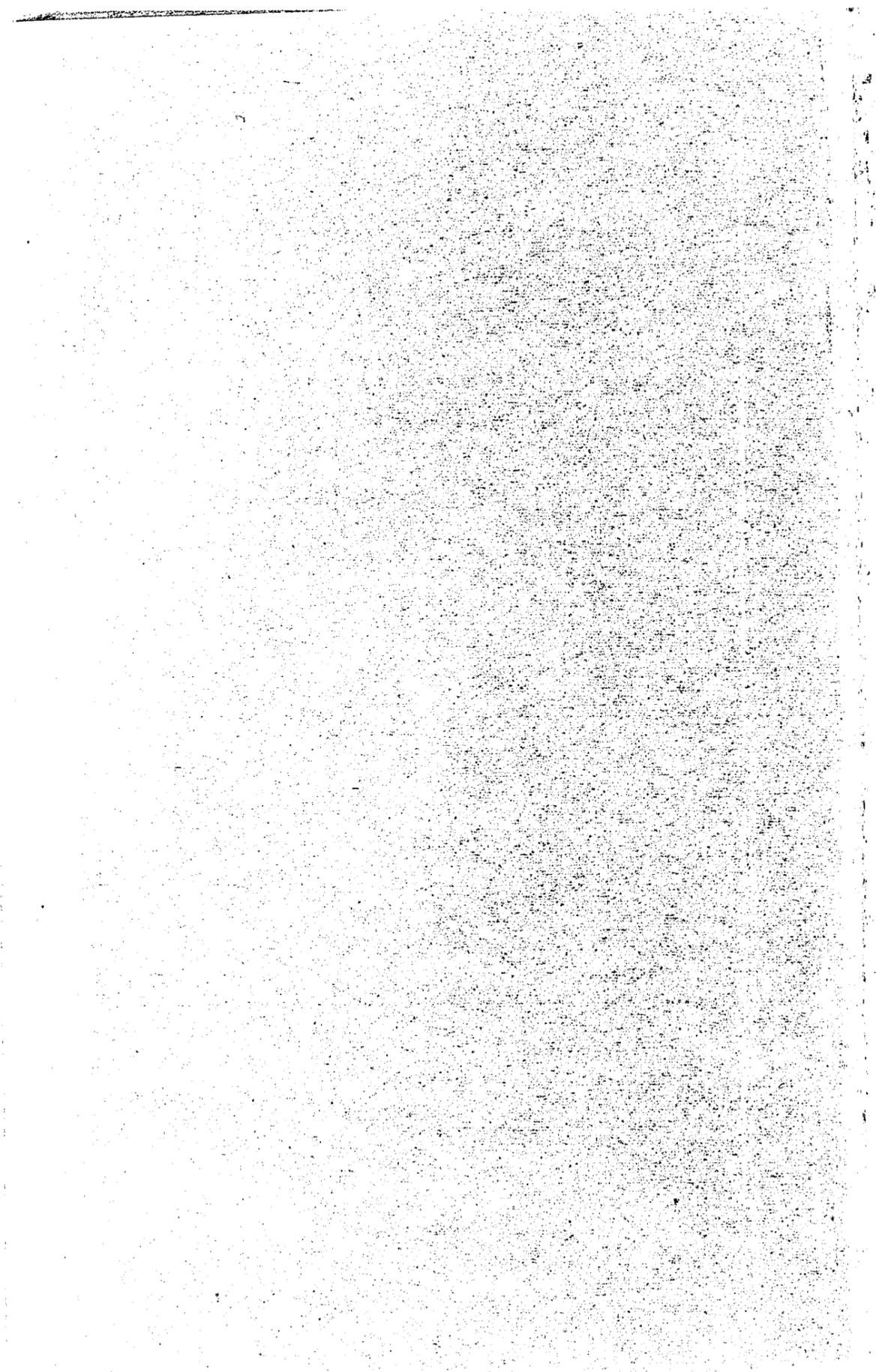
Shantung
Christian
University
Bulletin

No. 20

School of Medicine

1920-1921





SHANTUNG
CHRISTIAN
UNIVERSITY
BULLETIN

No. 20

SCHOOL OF MEDICINE

1920—1921



SCHOOL OF MEDICINE
CALENDAR FOR 1920-1921-1922

1920.

September 9—Thursday	Fall Semester Opens Registration and Payment of Fees
September 10—Friday	Recitations begin
October 9, 10, 11	National Holiday
December 24, 25, 26	Christmas Holiday

1921.

January 1—Saturday	New Year's Holiday
January 3—Monday	Semester Examinations begin
January 12—Wednesday	Fall Semester Closes
February 3—Thursday	Spring Semester Opens Registration and Payment of Fees
February 4—Friday	Recitations begin
February 7, 8, 9	Midwinter Festival (old calendar New Year)
April 4, 5, 6	Tsing Ming Holidays
May 30—Monday	Semester Examinations begin
May 30 to June 3	Entrance Examinations
June 8—Wednesday	Spring Semester Closes
August 29 to September 2	Entrance Examinations
September 8—Thursday	Fall Semester Opens Registration and Payments of Fees
September 9—Friday	Recitations begin
October 9, 10, 11	National Holiday
December 24, 25, 26	Christmas Holiday

1922.

January 2—Monday	New Year's Holiday
January 11—Wednesday	Fall Semester Closes
February 2—Thursday	Spring Semester Opens Registration and Payment of Fees
February 3—Friday	Recitations begin

SCHOOL OF MEDICINE
FACULTY AND INSTRUCTORS

JAMES BOYD NEAL, M.A. (Yale), M.D. (Univ. of Penn.),
President of the Shantung Christian University, Ophthalmology.

*HAROLD BALME, F. R. C. S. (Eng.), D. P. H. (Lond.),
Dean of the School of Medicine, Surgery.

EDWIN ROBERT WHEELER, M.B., B.S. (Lond.), M. R. C. S.,
L. R. C. P., *Superintendent of the University Hospital, Surgery.*

CHARLES FLETCHER JOHNSON, M.D. (Northwestern Univ.),
Pediatrics, Obstetrics, and Hygiene.

WILLIAM MCCLURE, (McGill Univ.), *Internal Medicine.*

RANDOLPH TUCKER SHIELDS, B.A. (Washington and Lee),
M.D. (Med. Coll. Virginia.) *Acting Dean of the School of Medicine. Histology, Embryology and Parasitology.*

THOMAS GILLISON, M.B., C.M. (Edin.), *Therapeutics, Translation work.*

*SAMUEL COCHRAN, A.B. (Princeton), M.D. (Coll. of Phys. and Surg.), *Bacteriology and Serology.*

PHILIP SAFFERY EVANS, Jr., B.A. (Yale), M.D. (Johns Hopkins), *Physiology.*

THORNTON STEARNS, B.A. (Davidson), M.D. (Johns Hopkins), *Surgery.*

LOUIS HENRY BRAAFLADT, B.A. (Decorah), M.Sc. (Chicago),
M.D. (Rush), *Pathology.*

*WILLIAM PERCY PAILING, M. P. S., B.D. (Lond.), *Pharmacy.*

* Absent 1920-1921.

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BENJAMIN MORAY M' COWAN, *English.*

PETER C. KIANG, A.B. (St. John's Univ.), M.D. (Univ. of Penn.), *Physiological Chemistry.*

CHARLES T. Y. CHENG, *Materia Medica, Pharmacy.*

JOHN STANLEY ELLIS, M.A. (Cambridge Univ.), M. R. C. S.,
L. R. C. P., *Radiology and Electro-therapeutics.*

†LAURENCE INGLE, B.A. (Cambridge), M.B., Ch.B. (Cambridge), *Anatomy.*

†FRANCIS H. MOSSE, M.A. (Oxon), M. R. C. P. (Lond.),
Internal Medicine.

ERNEST BLACK STRUTHERS, B.A., M.D. (Univ. of Toronto),
Physical Diagnosis, Internal Medicine.

PERCY LONSDALE MCALL, B.A. (Cambridge), M.B., Ch.B. (Edin.), *Translation Work.*

WANG HWEI-WEN, *Shantung Christian University, Anatomy.*

YU FU-HSIN, *Clinical Pathology.*

YEN BING, *Clinical Pathology.*

DING LI-CHENG, *Histology.*

HOU BAO-DJANG, *Pathology.*

† Engaged in language study.

Engaged in translation work under the auspices of the
Publication Committee of the China Medical Missionary Association:

DJAO TSI SWEN

LU DEH HSING

CHEN TSO MIN

INTRODUCTION.

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, in the year 1916, transferred three classes of students from the former Peking Union Medical College, at the same time making a grant of \$50,000 for further buildings and equipment, and an annual subsidy of \$20,000 for five years towards the expense of upkeep.

In 1916-1917, on the recommendation of the Council of 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 Tsinanfu, together with some of their professors, so that the present School of Medicine now represents the amalgamation of the above institutions.

The administration of the School is in the hands of the Boards of Direction of the Shantung Christian University, consisting of the British Joint Board, the American Joint Board, and the Field Board of Managers, each being composed of representatives of the co-operating Missions, together with certain educational experts specially co-opted. Nine Missions are now co-operating in the School, to a greater or less degree, five being English, three American, and one 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. (Partial co-operation only)

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American : American Presbyterian Mission North.
American Presbyterian Mission South.
Lutheran United Mission.

Canadian : Canadian Presbyterian Mission.

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

GENERAL STATEMENT

The School of Medicine is situated on the Medical Campus in the South Suburb of Tsinan, adjoining the general University Campus, from which it is only separated by the Suburb Wall.

The main school building consists of a large three-storey central block, with east and west laboratory wings. In addition to ample classroom facilities, the building contains large, well lighted laboratories, devoted respectively to Physiology, Physiological Chemistry, Pharmacy, Histology and Embryology, Pathology and Bacteriology, and the Department of Practical Anatomy and Dissection. Each of these laboratories is fitted on modern lines, with individual equipment (microscopes, experimental apparatus, etc.) for a class of thirty to forty students. A special laboratory is set apart for clinical and pathological investigations in connection with hospital practice. As soon as funds are available, it is also proposed to equip a department of Preventive Medicine, and additional research laboratories.

Adjoining the Medical School is the University Hospital and Dispensary, with a frontage on the street of 400 feet. The hospital, which was completed in 1915, provides accommodation for 115 patients, and is built and furnished in modern style. The Out-patient Dispensary contains a central waiting room, with which are connected five large consulting rooms, a pathological laboratory and operating rooms for surgical and ophthalmic out-patients.

The School of Medicine possesses its own dormitories and students' commons, and a number of residences for foreign and Chinese members of the staff.

ADMISSION TO SCHOOL OF MEDICINE

Candidates for admission to the School of Medicine are required to have completed at least two years of college grade work, during which they have pursued the requisite laboratory courses in the premedical sciences. They are also required to pass the Entrance Examination; the subjects and scope of this examination are noted below. Entrance Examinations are held in June and in August of each year (for dates of the examination, see Calendar, page 1). At or previous to the time of taking the Entrance Examination, a formal Application for Entrance and a Medical Certificate must be filed with the Registrar of the University. These forms can be obtained on application to the Registrar's office. Graduates of recognized institutions of college grade, who can produce satisfactory evidence that they have completed all the required laboratory courses in full, may be admitted to the School of Medicine without examination.

Candidates who have not taken their full pre-medical course, can do so in the Junior College of the School of Arts and Science of the Shantung Christian University. Full details of this course can be obtained on application to the Dean of the School of Arts and Science. Entrance to this pre-medical course is by the General Matriculation Examination. Inquiries with regard to the General Matriculation Examination should be addressed to the Registrar. The premedical course of study can also be taken in other institutions recognized by the University, provided the requisite amount of laboratory work is devoted to each subject. In all cases, however, graduates of pre-medical courses either in this or other universities will be required to present themselves for the

Entrance Examination of the School of Medicine at the conclusion of the pre-medical work.

ENTRANCE REQUIREMENTS

The subjects of examination, and prerequisites of each, are as follows:

Biology: One paper.

Prerequisite: At least one term of laboratory work in Botany, and three terms of laboratory work in Zoology.

Examination Syllabus: Anatomy and Physiology of the higher plants; microscopic study of the lower forms of plant life, classification. Zoology,—classification; special emphasis upon the study of structure macroscopic and microscopic and the life-histories of types of Protozoa, Helminths, and Arthropoda. The comparative Anatomy of typical Vertebrates, especially Mammals, including Dissection.

Chemistry: One paper.

Prerequisite: Four terms of laboratory work.

Examination Syllabus: Inorganic,—metals and non-metals, including a knowledge of the principles of equilibrium, catalysis, dissociation. Analytical,—including the elements of quantitative. Organic,—classification, study of types of compounds, practical experience in organic preparations, with general principles of organic analysis.

Physics: One paper.

Prerequisite: Lectures, accompanied by four semesters of laboratory work.

Examination Syllabus: Quantitative work in the laboratory with emphasis on the theory of measurement, and a familiarity with mechanical and electrical apparatus.

Psychology: One paper.

Prerequisite: Lectures, one course equivalent to four semester hours.

Examination Syllabus: Based on Bruce's "The Elements of Psychology" or its equivalent.

English: One paper.

Prerequisite: Four years' work in English.

Chinese: Two papers.

Chinese Literature and Essay.

COURSE OF STUDY—SCHOOL OF MEDICINE

The course of study in the School of Medicine covers a period of five years. Each year is divided into two semesters of sixteen teaching weeks each. The following curriculum is based upon an average of 30 hours per week, exclusive of the time given to English, no distinction being made in the time value of a lecture hour and a laboratory hour, and each being reckoned as a full 60 minute period.

FIRST YEAR.			
<i>First Semester.</i>		<i>Second Semester.</i>	
	Hours.		Hours
Anatomy 1	340	Anatomy 2	180
Histology 1	140	Histology 2	70
English	80	Embryology	70
		Physiological Chemistry ...	170
		English	80

SECOND YEAR.			
<i>First Semester.</i>		<i>Second Semester.</i>	
	Hours.		Hours.
Anatomy 3	50	Physiology 2	170
Physiology 1	170	Pharmacology	130
Materia Medica and } Pharmacy	120	Pathology 1	180
Bacteriology and Serology	142	English	80
English	80		

THIRD YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
	Hours.		Hours.
Pathology 1	32	Medicine 2	80
Medicine 1	80	Laboratory Diagnosis 2 ...	64
Therapeutics	64	Surgery 2	80
Physical Diagnosis	64	Obstetrics 1	48
Laboratory Diagnosis and } Parasitology 1	160	Clinical Medicine 1, and } Clinical Surgery 1	208
Surgery 1	80	(in groups)	
English	80	English	80

FOURTH YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
	Hours.		Hours.
Medicine 3	64	Medicine 4	64
Surgery 3	80	Surgery 4	80
Obstetrics 2	48	Ophthalmology 2	64
Ophthalmology 1	64	Dermatology and } Syphilology 2 }	32
Dermatology and } Syphilology 1 }	32	Pediatrics	48
Clinical Medicine 2, } Clinical Surgery 2 } and Specialties (in groups) }	192	Clinical Medicine 3, } Clinical Surgery 3 } and Specialties (in groups) }	192
English	80	English	80

FIFTH YEAR.

<i>First Semester.</i>		<i>Second Semester.</i>	
	Hours.		Hours.
Clinical Medicine 4, } Clinical Surgery 4 } and Specialties (in groups) }	288	Clinical Medicine 5, } Clinical Surgery 5 } and Specialties (in groups) }	288
Pathology 2	64	Pathology 3	64
Preventive Medicine 1 ...	32	Preventive Medicine 2 ...	32
Nervous and Mental Diseases 1	16	Nervous and Mental Diseases 2	16
Gynecology 1	16	Gynecology 2	16
Operative Surgery	32	Anesthetics	16
Diseases of Ear, Nose, Throat 1	16	Medical Jurisprudence ...	8
Roentgenology 1	16	Diseases of Ear, Nose, and } Throat 2	16
English		Roentgenology 2	16
		English	

Fees and Regulations

Each student, during his five years' residence in the School of Medicine, is required to pay the following fees:

Tuition	\$20 per semester
Athletic Fee	\$ 1 " "
Dormitory Fee	\$ 2 " "
Breakage Deposit	\$ 5 annually, payable in Sept.

These fees do not include board, books, travel, etc. Board costs in Tsinan, at present rates, four or five dollars a month. So it is estimated that, apart from travel, it will cost each student approximately one hundred dollars per year for all expenses, including tuition, board, books, and incidentals.

Dormitories are furnished for the students; also kitchen and dining-room accommodation. Students are expected, however, to provide and make arrangements for their own food. All students will be expected to room in the dormitories.

All inquiries and requests for further information regarding the SCHOOL OF MEDICINE should be addressed to

THE DEAN,
SCHOOL OF MEDICINE,
SHANTUNG CHRISTIAN UNIVERSITY,
TSINAN.

SCHOOL OF MEDICINE.

DESCRIPTION OF COURSES.

Anesthetics.

Lectures and demonstrations in the administration of various forms of anesthetics: *Fifth year, second semester, one hour per week.* In addition to the above, students receive practical experience in the use of anesthetics during their service in clinical surgery (see Surgery 5 below).

Anatomy 1 and 2.

General Anatomy: Lectures and recitations on Systematic Anatomy are given, but the course largely consists of demonstrations and actual dissection. It is hoped there will always be enough material to allow each student to dissect one-half of an entire body during the course. *First year, sixteen hours per week throughout the whole year.*

Anatomy 3.

Applied Anatomy: This course is designed to help the students apply the knowledge gained in dissecting to the practice of medicine and surgery. *Second year, first semester, three hours per week.*

Bacteriology and Seriology.

Lectures, recitations, and laboratory work: A practical study of the Biology, Morphology, Pathogenicity, and Cultural Characteristics of bacteria. Strains of bacteria most commonly met with in human diseases are given each student for cultivation and study. *Second year, first semester, nine hours per week.*

Clinical Studies.

Commencing with the second semester of the third year and continuing throughout the remainder of the course, the Senior students are divided into three groups for clinical instruction; one group studying surgical patients in the wards and out-patient department of the University Hospital; the second group studying medical patients; and the third group devoting its time to the clinical study of the various specialties (diseases of the eye, ear, nose, and throat, etc., etc.). These groups rotate every three months so that each set of students is enabled to take each of these three courses twice (a Junior and a Senior course).

Dermatology.

A course of thirty-two didactic lectures is given to fourth year students. Clinical demonstrations are also given to fourth and fifth year students.

Diseases of Ear, Nose, and Throat.

This course consists mainly of clinical work in the Out-patient Department, during the fourth and fifth years (see Clinical Studies), and of special lectures and demonstrations in connection with the teaching of Clinical Surgery.

Embryology.

The course in Embryology is given in the second half of the second semester. The study of frog development is first taken up, followed by the practical study of chick and pig embryos, and finally by lectures on human development. Students are required to make serial sections of at least one chick. *First year, second semester, nine hours per week.*

English.

The aim of this course is to familiarize the students with technical and special terms used in medicine with a view to preparing them to read medical works and to write case-notes in English. Conversational English is taught and the students encouraged to use English wherever possible. The first, second, third, and fourth years include English in the curriculum. *Four hours per week.*

Genito-Urinary Diseases.

See under Surgery 5.

Gynecology.

This course consists of lectures and recitations together with demonstrations of clinical cases, as opportunity occurs. *Fifth year, one hour per week throughout the whole year.*

Histology 1 and 2.

This course embraces General and Special Histology and extends over one and a half semesters. Not only the structure of adult tissues and organs is given, but also something of their development. The course is a laboratory one and is made as practical as possible. Students are required to stain and mount their own sections, to become familiar with Celloidin and Paraffin Embedding, Frozen Sections, Cutting Methods, etc. *First year, nine hours per week.*

Laboratory Diagnosis.

See under Medicine 6.

Materia Medica.

The course embraces lectures and recitations on the names, constituents, preparations, uses and doses of drugs; toxicology and symptoms of poisoning and the general antidotal treatment of same; practice

in the recognition of drug specimens. *Second year, first semester, four hours per week.*

Medical Jurisprudence.

A lecture course lasting eight weeks. *Fifth year, second semester, one hour per week.*

Medicine 1, 2, 3, and 4.

Systematic lectures and recitations on the Practice of Medicine dealing with the etiology, pathology, symptomatology, diagnosis, treatment, etc., of diseases. *Third and fourth years, five hours per week during the third year, four during the fourth.*

Medicine 5.

Physical Diagnosis: A practical course in physical exploration of the body and its various organs both in health and disease. *Third year, first semester, four hours per week.*

Medicine 6.

Laboratory Diagnosis: A laboratory course in chemical, microscopic, and bacteriological examination of blood, urine, sputum, gastric contents, feces, secretions, exudates, etc., and their pathological and clinical significance, special attention being given to the acquisition of accurate technique. *Third year, six hours per week throughout the whole year.*

Medicine 7.

Clinical Medicine: In addition to clinical demonstrations upon selected cases in the wards and out-patient department of the University Hospital, students who are taking this course are required to make all investigations of such cases as are allotted to them, including the preparation of case histories, urine analysis, blood analysis, and other forms of special investigation; the recording of the treatment administered, and the progress of the case. Each group of students devotes the following time to this special study.

Junior course, part of third and fourth years, twelve hours per week for three months. Senior course, fourth and fifth years, eighteen hours per week for three months.

Nervous Diseases 1 and 2.

This subject is at present taught in connection with Medicine, with special demonstrations of suitable cases in the out-patient clinic.

Obstetrics 1 and 2.

This course at present consists largely of lectures and recitations, but with the growth of the Maternity Clinic, it is hoped that students will be able to obtain practical experience in obstetrical work. *Third year, second semester; fourth year, first semester, three hours per week.*

Operative Surgery.

See Surgery 6.

Ophthalmology.

This course consists of lectures, recitations, and clinical work in the wards and out-patient department of the University Hospital. *Fourth year, four hours per week, fifth year clinical work continued.*

Orthopedics.

See Surgery 7.

Parasitology.

The course consists mainly of laboratory work. Macroscopic and microscopic study of the more important Protozoa, Helminths, and Insects; the zoological position of the different forms emphasized. *Third year, first semester, one hour per week.*

Pathology.

Pathology 1—General Pathology and Pathological Histology: Laboratory work in general Pathological Histology; demonstrations of fresh and museum specimens; quizzing in General Pathology. *Second year, second semester, three weeks of following year, eleven hours per week.*

Pathology 2—Pathological Anatomy and Histology: Practical instruction in the methods of making post-mortem examinations; detailed study of gross and microscopic appearance of diseased organs and tissues; bacteriological and chemical examinations made when indicated; the relation between morbid conditions and symptoms emphasized. *Fifth year, first semester, four hours per week.*

Pathology 3—Surgical Pathology: Demonstration of fresh material, lectures, and study of mounted sections. *Fifth year, second semester, four hours per week.*

Pediatrics.

The course in Pediatrics is devoted to lectures and recitations with demonstrations of cases. *Fourth year, second semester, three hours per week.*

Pharmacology.

Until a competent pharmacologist can be added to the staff, this course will consist largely of lecture work on the subject. *Second year, second semester, eight hours per week.*

Pharmacy.

Lecture and laboratory work: Manufacturing of various classes of official preparations found in the United States Pharmacopeia, National Formulary, and the British Pharmacopeia; the compounding of prescriptions; familiarization with the common physical, chemical, and pharmaceutical incompatibilities and the methods of overcoming them; lectures on pharmaceutical technique. *Second year, second semester, four hours per week.*

In addition to the above course, students receive practical experience in the compounding of prescriptions in connection with their clinical instruction in the out-patient departments of the University Hospital.

Physical Diagnosis.

See Medicine 5.

Physiological Chemistry.

The course presupposes a thorough training in Chemistry and Physics, such as is outlined in the Pre-medical course.

Instruction in this subject is mainly given by laboratory work, supplemented by lectures and recitations, to the first year class during the second semester, *12 hours per week.*

Courses of instruction are provided to cover the following:—

1. The general chemistry of the cell and various tissues of the body.
2. Chemistry of the carbohydrates, lipins and proteins.
3. Chemistry of digestion, metabolism, secretion and excretion.
4. 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.
5. Volumetric methods of urine and blood analysis.
6. Physico-chemical methods applied to the tissues and fluids of the body.

All the above courses are required of medical students for credit in Physiological Chemistry, with the exception of Course 6.

Whenever material is available, a study is made of pathological fluids and concretions. Students 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 each course emphasis is especially given to those parts of the subject which will be of fundamental value to clinical interpretation and medical investigation.

A limited number of senior students or physicians, who have had the requisite preliminary training in Biochemistry, may be admitted to undertake work of a special character at any time during the academic year.

Physiology.

This course consists of recitations, laboratory work, and discussions on the laboratory experiments. The students work together in pairs; each pair being provided with a kymographion, inductorium, and such additional apparatus as is needed. *Second year, eleven hours per week throughout the whole year.*

Preventive Medicine.

Lectures and laboratory work. *Fifth year, two hours per week throughout the whole year.*

Roentgenology.

Pending the appointment of an expert Roentgenologist, this course is given in connection with general surgery.

Surgery.

Surgery 1—General Surgery: Principles of Immunity, Inflammation, Ulceration and Gangrene; Tumours, Cysts, Diseases of the Blood-vessels, and Surgical Technique. Lectures, recitations, and clinical demonstrations. *Third year, first semester, five hours per week.*

Surgery 2—General Surgery: Surgical Deformities, Orthopedics, Diseases and injuries of the Nerves and Muscles; Bones, Joints, and Spine. Lectures, recitations, clinical demonstrations. *Third year, second semester, five hours per week.*

Surgery 3—Regional Surgery: Surgical affections of the Scalp and Cranium, the Brain and its Membranes, the Lips and Jaws; Mouth, Throat, Esophagus; Surgery of the Nose and Ear; Surgery of the Neck and Thorax; Surgical Affections of the Breast. Lectures and recitations. *Fourth year, second semester, five hours per week.*

Surgery 4—Regional Surgery: Abdominal Surgery, Surgical Affections of the Stomach and Intestines, the Rectum and Genito-urinary Tract. Lectures and recitations. *Fourth year, second semester, five hours per week.*

Surgery 5—Clinical Surgery: In addition to clinical demonstrations upon selected cases in the wards and out-patient department of the University Hospital, students who are taking this course are required to make all investigations of such cases as are allotted to them, including the preparation of case histories, urine analysis, blood analysis, and other forms of special investigation; the recording of the treatment administered, and the progress of the case. Each group of students devotes the following time to this special study. *Junior course, part of third and fourth years, twelve hours per week, for three months. Senior course, fourth and fifth years, eighteen hours per week for three months.*

Surgery 6—Operative Surgery: Operations upon animals and upon the cadaver. Demonstrations and practical work. *Fifth year, first semester, two hours per week.*

Surgery 7—Orthopedics: This course consists at present of special demonstrations in connection with Clinical Surgery Service.

Therapeutics.

This course consists of lectures on the principles of pharmacological and therapeutic action, methods of administration of drugs, their actions and uses in diseases of each system as well as their use in specific diseases. Some time is devoted to the study of the combined action of drugs and to the writing of prescriptions. *Third year, first semester, four hours per week.*

THE UNIVERSITY HOSPITAL

STAFF

Hospital Superintendent: HAROLD BALME, F.R.C.S. Eng.;
D.P.H. Lond.

Medical Staff: WILLIAM McCCLURE, M.D. (McGill Univ.).
ERNEST BLACK STRUTHERS, B.A., M.D.
(Univ. of Toronto).

LOUIS H. BRAAFLADT, M.Sc. (Chicago),
M.D. (Rush).

Surgical Staff: HAROLD BALME, F.R.C.S. (Eng.), D.P.H.
(Lond.).

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

THORNTON STEARNS, M.D. (Johns Hopkins).

Ophthalmics: JAMES BOYD NEAL, M.A. (Yale), M.D.
(Univ. of Penn.).

Obstetrics: RANDOLPH T. SHIELDS, M.D. (Med. Coll.,
Virginia).

Anaesthetics: THOMAS GILLISON, M.B., C.M. (Edin.).

Clin. Pathology: LOUIS H. BRAAFLADT, M.Sc. (Chicago),
M.D. (Rush).

Business Manager: FRANK H. B. HARMON.

Pharmacist: CHARLES T. Y. CHENG.

Pathological Ass't: YU FU HSIN.

Res. Medical Officer: CHAI GING REN.

Nursing Staff: Miss MARGARET F. LOGAN, (Royal Infirmary,
Glasgow), Nursing Superintendent.

Mrs. JEANNETTE C. RATCLIFFE (York, Penn.
Hospital), Acting Nursing Superinten-
dent.

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Miss BERTHA L. DINKELACKER (Meth.
Episcopal Hospital, Philadelphia).

Miss EFFIE I. DINKELACKER (Meth. Episcopal
Hospital, Philadelphia).

Miss ETHEL POLLARD (Royal United Hos-
pital, Bath).

Hospital Chaplain: Rev. WILLIAM P. PAILING (On war
service).

Evangelists: Pastor NIEH TUNG AN.
TIEN YING CHING.

Bible-woman: Mrs. REN.

The new hospital with accommodation for 115 beds was opened for the reception of patients in 1915. The equipment is a thoroughly modern one, and offers excellent clinical facilities for the students of the upper classes of the School of Medicine. Adjoining the main hospital building is the out-patient department with an average of 150 clinic patients daily. Both are situated in the rapidly growing south suburb of Tsinan, bringing with it increased facility for clinical study. The management of the hospital is under the direct control of the Faculty of the School of Medicine.

TRAINING SCHOOL FOR NURSES

In connection with the University Hospital, a Training School for Nurses was established in 1915, and at the present time contains twenty-two male nurses and eighteen female nurses. The Training School is under the control of the Nursing Superintendent and her associates.

All probationer nurses are graduates of Middle Schools or their equivalents, and in addition to receiving practical instruction in the wards, attend special classes in the subjects prescribed by the Nurses' Association of China.

The Training School is registered under the Nurses' Association, so that graduate nurses, on passing their final examinations, receive the Association Diploma, in addition to that which is given by the School. Members of the Training School are housed in two separate compounds, the female nurses being under the direct supervision of the Nursing Superintendent.

The course of instruction covers a period of four years.

Communications relating to the Training School for Nurses should be addressed to

THE NURSING SUPERINTENDENT,

UNIVERSITY HOSPITAL,

TSINAN, SHANTUNG.