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COLLEGE FILES
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Yenching
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Barrows, H.K. 1935-1937

Bartlett, Robert M. 1924-1931

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Barrows, H.K

Re Water tower

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H. K. BARROWS
M. AM. SOC. C. E.
CONSULTING ENGINEER
6 BEACON STREET
BOSTON

RICHARD S. HOLMGREN
M. AM. SOC. C. E.
PRINCIPAL ASST. ENGINEER

February 5, 1935

Mr. N. Gist Gee, Vice-President
Yenching University
150 Fifth Avenue
New York City

Dear Mr. Gee:

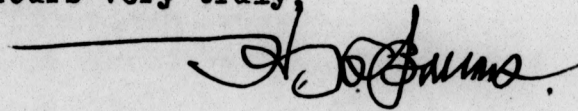
I received your letter of Jan. 23rd, also a considerable amount of information and photographs which I know will be helpful in preparing a brief article relating to Yenching University, and particularly the water tower.

With reference to the latter, I am wondering whether you could tell me the approximate diameter of the tank and its height, so that I could make an estimate of the volume. I assume that the tower has a steel tank inside of the concrete work and I believe you stated that the external treatment was of concrete, with possibly a little tiling. You might give me a little more exact description of this feature.

Thanking you for your trouble,

I am

Yours very truly,



HKB:R

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Y.U. Pagoda Water Tower,

February 6th, 1935

Mr H. K. Barrows,
6 Beacon Street,
Boston, Mass.

Dear Mr Barrows:-

I have been looking into our files for more definite information about our pagoda and so far have failed to find anything as satisfactory as I would like to have to send you. I am enclosing a note taken from a letter by the man who did the early supervising of the work at the University campus. He is writing from memory, however, and his statements are only approximate. If you wish me to write to China to get these facts, I shall be glad to pass on any list of question which you may wish them to answer and in time we can get accurate answers to those questions.

I think the figures "around 150 feet" are correct for the height of the tower and you could easily estimate the diameter by the scale. There is a spiral cement stair in the tower and I would estimate its width at about three feet. The tower supports two tanks made of reinforced concrete and there is a support of the same material. I am sorry that I cannot give you the dimensions of the tanks, but they easily supply the demands of the college community of around 1,500 people. The supply of water comes from an artesian well and we drink the water from the tap.

I hope that this will give you the required information though if it does not, please let me write to China to get it for you.

We appreciate your interest in this matter and will gladly get such detailed information as you wish if you care to wait until we can get information from China.

Very sincerely,

N. Gist Ges.

enclosed

0462

H. K. BARROWS
M. AM. SOC. C. E.
CONSULTING ENGINEER
6 BEACON STREET
BOSTON

RICHARD S. HOLMGREN
M. AM. SOC. C. E.
PRINCIPAL ASST. ENGINEER

February 21, 1935

N. Gist Gee, Esq.,
Vice-President,
Yenching University,
150 Fifth Avenue,
New York City.

Dear Doctor Gee:

I received your letter of the 6th and have been interested to look over the various data you have sent.

I think it would be worth while to get some further information relative to the water tower so that I may prepare a fairly complete description of it and its method of construction. Perhaps you can obtain something along the following lines:-

- (1) Tower - Diameter of main part of tower and extent of the projecting "rooves."
- (2) Concrete - What kind of a mixing plant or how mixed; what kind of cement and where from; stone and sand, where obtained; what kind of staging or how placed; rate of progress and time to construct.
- (3) Tanks - Dimensions and kind of materials and how placed.
- (4) Stairway - Where and how placed.
- (5) Water supply - Depth and size of well and method of getting to tank; pipe system if any; pumps - description as to kind, size or capacity in gallons per minute; means of operating; quality of water and approximate amount consumed yearly and number of users.
- (6) Cost - Number of men employed and time to construct; cost.
- (7) Foundation - On what material; length of concrete piles; approximate number of piles.

Some of the above information you have sent me. What I have in mind is enough information along these lines so that I can prepare a fairly accurate description of the tower and water supply system, how it was built and the use made of it.

0463

N. Gist Gee, Esq., Vice-Pres.

2/21-'35


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Did you have any plans to work from. If so perhaps I could take these long enough to look over.

I hope this will not be too much trouble. Meanwhile I will be preparing a brief statement as to Yenching, based upon the various pamphlets you have sent me.

With kind regards, I am

Yours very truly,



Duplicate
copy of this
letter enclosed
for use if
desired.

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February 27, 1955

Dr. J. Leighton Stuart
Yenching University
Peiping, China

My dear Dr. Stuart:

When Dr. Gee was in Boston recently he called on and had a long conversation with a member of our Advisory Council Mr. H. K. Barrows. Mr. Barrows expressed a good deal of interest in the Yenching Water Tower Pagoda and said he would like to have pictures of it and detailed information as to specifications, etc. He has in mind preparing an article for "his engineering journal" - I do not know just what this means - with the idea of interesting American construction experts in similar construction for water towers or power plants in this country.

Dr. Gee sent several pictures to Mr. Barrows and wrote in a general way concerning his knowledge of the structure. He sent him also a copy of the attached extract from Mr. Gibb's letter.

Mr. Barrows has now sent us the enclosed copy of his letter of February 21st. Dr. Gee is away this month doing solicitation work in the state of Pennsylvania. I wrote him of Mr. Barrows' letter and he has asked me to forward the copy to you, giving you as much of the background of the situation as I could, which I have attempted to do. Will you then write Mr. Barrows as fully and as promptly as you can in answer to his inquiries? We would appreciate having a copy of whatever material you send Mr. Barrows.

Dr. Gee feels, I know, that this will be valuable publicity for Yenching and that it is worthwhile to cooperate with Mr. Barrows in this way.

Very sincerely,

Helen L. Woodward

HLW

0465

May 24, 1935

Prof. Harold K. Barrows
6 Beacon St.
Boston, Mass.

Dear Professor Barrows:

I am enclosing with this a sheet containing the facts which you asked for in connection with the Yenching University Water Tower Pagoda. I am sorry it has been delayed so long but trust it is still in time for your use.

With kind regards, I am

Sincerely yours,

N. Gist Gee

NGG:HW

0466

INFORMATION RELATIVE TO THE WATER TOWER

- (1) Tower - Diameter of main part of tower is 29'-6" and extent of the lowest projecting roof for one side is 6'-1" and others 4'-11".
- (2) Concrete - The mixing plant is using a concrete mixer run by the gasoline engine and the concrete proportion is about 1:2:4. Cement was bought from Tang-shan Chi Hsin Cement Co., and stone and sand were obtained from the villages near by. The staging is using post scaffolding surrounded and ^{the tower} ~~rised~~ ^{built} up gradually as it ^{was needed} little by little. Time of construction was two years.
- (3) Tanks - The height of the ^{water-} tank is 15'-4" and the diameter is 19'-8".
- (4) Stairway - Stairs are ~~all~~ placed ~~at~~ inside of the Tower. The first section of the stair is placed at the center and the rest placed at the side spirally up.
- (5) Water Supply - a. Well 140ft. deep X 6 in. in diameter and ~~is~~ ^{are used} using electric pumps to get water to the tanks.
b. 6 in. pipe installed.
c. 2 water pumps driven by D. C. motors, 180 gallons of water pumped per minute.
d. 1st. water goes to settling tank, 2nd. treated by adding proper amount of lime, 3rd. filtered and 4th. pumped to water tower.
e. Pure water: Hardness 12.7 grains per gallon
Alkalinity 7.5 " " "
Treated " : Hardness 4.5 " " "
Alkalinity 5.5 " " "
Causticity 3.0 " " "
f. 34,522,700 gallons of water consumed yearly and about 1500 ~~users~~ ^{persons using it.}
- (6) Cost - The tower was constructed in 1921; and cost of construction of it was about \$80,000. (Chinese Yuan) ^{5/23/25} 1 Yuan = .41 2/3 U.S. \$)
- (7) Foundation - The foundation was built with reinforced concrete, the length of concrete piles is 11'-0" and the number is 188 pcs.

TELEPHONE PENNSYLVANIA 6-9220
CABLE ADDRESS, CEAS, NEW YORK



THIRTY-THREE WEST THIRTY-NINTH STREET
NEW YORK

March 10, 1937

YENCHING UNIVERSITY
150 Fifth Avenue
New York, New York

Attention: Miss E. Van Sciver

Dear Miss Van Sciver:

We are returning herewith the five photographs of the Yenching University Water Tower which you sent us to use as illustrations in CIVIL ENGINEERING. A copy of the March issue in which they appear will be sent you. Please note that the photographs appear on page 245 and page 5 (advertising).

We appreciate your kindness in sending us this material and hope it reaches you in good condition.

Very truly yours

SYDNEY WILCOX
Manager of Publications

Encls.

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Bartlett, Robert M.

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HARRY ROBERTS MILES
MINISTER

DWIGHT PLACE CONGREGATIONAL CHURCH

ROBERT MERRILL BARTLETT
ASSISTANT MINISTER

DWIGHT PLACE AND CHAPEL STREET
NEW HAVEN, CONN.

March
Eighteenth
1924

RECEIVED
AT PEKING UNIV. HDQ.
MAR 19 1924
ANSWERED

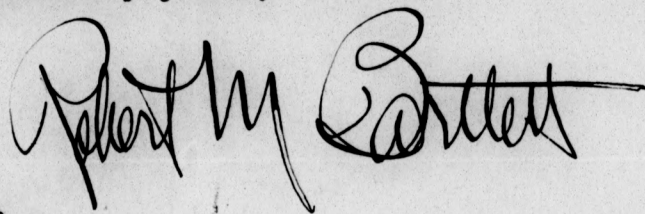
My dear Dr. Stuart:

Mr. Brewer Eddy told me yesterday that he understood that the Board was to send us to Peking. I told him of your letter regarding Colorado Springs. The latter will certainly be agreeable to us. We had considered going via Europe, but this is unlikely. My parents are near Chicago and my wife's home is in Fort Worth. We should prefer to go the western route, I imagine.

I trust that our papers can be passed upon in a short time and definite arrangements made. We have written several questions to Mr. Moss, which no doubt will soon be answered. I am anxious to know about my teaching so I may begin preparation.

The more we think of serving in the University, the happier we become. I do hope that we may find a place there and be of some real value to the institution.

Earnestly yours,



Dr. J. Leighton Stuart,
Peking University offices,
156 Fifth Avenue,
New York City.

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HARRY ROBERTS MILES
MINISTER

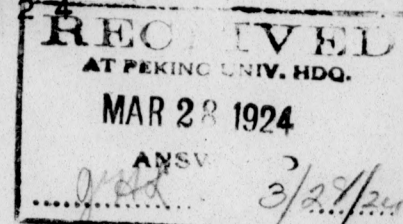
DWIGHT PLACE CONGREGATIONAL CHURCH

ROBERT MERRILL BARTLETT
ASSISTANT MINISTER

DWIGHT PLACE AND CHAPEL STREET
NEW HAVEN, CONN.

March
Twenty sixth
1924

President J. Leighton Stuart,
Peking University,
150 Fifth Avenue,
New York City.



My dear Dr. Stuart:

We have completed all our negotiations with the American Board. Mr. Willard of the Treasury Department has written regarding travel and the financial arrangements. We shall be very happy to hear the final arrangements, for we are increasingly happy over the prospects of being there next fall.

Mr. Mess states that the University will open about the fifteenth of September. When do you desire to have us report? I shall be very glad to know something of the teaching that I am to do. Is it your present plan that I teach and study in the Language School also?

Mr. Miles has resigned from the church which I now serve. He accepts a position with the Pilgrim Fund, desiring to go the middle of May. The church desires to have me remain. I came on the one year contract. They had said nothing regarding my return until this matter arose. I realize that it will be difficult for them to initiate two new ministers in a year. However, there will be two of the staff remaining; and the laymen are very able.

I have just told the people regarding the call to Peking, as it is now quite definite. They have requested that I ask how imperative the need is, and if you would wait a year for me. I therefore write this question to you and Dr. Ward, with the distinct understanding that I desire to go this fall, in view of all the facts. The church will suffer some inconvenience, but the proper men can be secured before fall. I feel that there is much for me to learn in China. I can think of no more promising or satisfying offer than the one you have given. Is it not wise for me to go, as the opportunity has come; see the needs and then return for my special study?

A decision should, I presume, be based upon the opportunity for service and one's own life work. In view of these factors, we feel that wise answer is China.

I shall be very glad to hear from you as soon as possible.

Very sincerely yours,

Robert M. Bartlett

P.S. We now think it unwise to go via Europe. We are willing to visit Colorado Springs, if you so desire.

0471

Please Return RMB

AMERICAN BOARD OF COMMISSIONERS
FOR FOREIGN MISSIONS

INCORPORATED 1812

FOREIGN DEPARTMENT

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ERNEST W. RIGGS, ASSOCIATE SECRETARY



CONGREGATIONAL HOUSE, 14 BEACON STREET
BOSTON, MASSACHUSETTS

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April 2, 1924.

Mr. Robert M. Bartlett,
27 Edgewood Avenue,
New Haven, Conn.

My dear Mr. Bartlett:

The photographs you sent last week were received in due season, and the papers of both yourself and wife are now complete. We were very glad to get the pictures - they were most pleasing from an artistic standpoint.

I have already brought your papers before the Cabinet and they have recommended to the Prudential Committee your engagement as our representative to Peking University. I hope that at the meeting of the Prudential Committee on Tuesday, April 8th, formal action will be taken and the whole matter completed at that time.

I realize the problem you are facing in trying to decide whether you shall go out this year, or postpone doing so until a year from this summer. I might state frankly that it would be very difficult for us to find another man for this opening at the present time. We all feel that you and Mrs. Bartlett are especially qualified for the position, and I should regret very much the fact that you felt it necessary to wait until another year before starting to the field, for in that event someone else might be sent out and no similar opening would be available. I have talked this matter over with Secretary James L. Barton, who is also one of the Board of Trustees of Peking University - he concurs with me in the hope that you may still be able to go out this coming summer.

After receiving this letter, if you continue to feel it your duty to remain at home, I would ask that you wire me at my expense in order that I may receive word in time to withhold your papers at the meeting of the Prudential Committee, if your decision warrants my doing so.

I am glad that you are already in touch with Mr. Willard of our Treasury Department concerning the details of your traveling arrangements.

In going over your papers I note you have a debt of \$400 without interest until 1925. May I ask what your plans may be to meet this obligation? As a general rule, we feel it is unwise for our missionaries to go to the field with the burden of a debt hanging over them. It is very difficult for our Mission

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Boards to make any grant to meet these debts from their general Treasury. The only thing we could do is to try and raise some special fund. It may be that you have taken this matter up with the Trustees of Peking University, and they may be able to help you in this connection.

I note in the health papers of Mrs. Bartlett that her weight is rather low, and also that her blood pressure is somewhat below normal. I hope that during the coming months she will not attempt to work too hard, but obtain a good rest. She ought to do everything she can to increase her weight, and I know that by taking things more easily for a while her blood pressure will come up. I certainly feel very strongly that our workers going out should leave this country in the best possible physical condition, for the service on the field demands a great deal of them, and with the change in climate and living conditions, our missionaries are apt to suffer from a health standpoint unless they are very careful.

I am sorry that I was unable to write you sooner with reference to these matters, but I know that this problem is one that you can decide wisely, and that your decision will be made in the interest and consideration of the work both at home and abroad.

MHW:LM

Cordially yours,

Mark H. Ward, M. D.

HARRY ROBERTS MILES
MINISTER

DWIGHT PLACE CONGREGATIONAL CHURCH

DWIGHT PLACE AND CHAPEL STREET
NEW HAVEN, CONN.

ROBERT MERRILL BARTLETT
ASSISTANT MINISTER

April
Fourth
1924

Dr. J. Leighton Stuart,
President of Peking University,
156 Fifth Avenue,
New York City.

My dear Dr. Stuart:

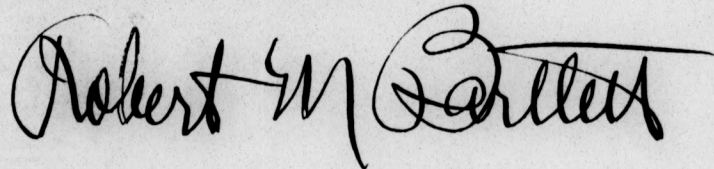
I trust that this letter reaches you before you make reply to my inquiry of the twenty sixth. The American Board wrote the inclosed letter. We have talked with the Church trustees and they are willing for us to go this summer.

Mr. Miles leaves the middle of May. I am to hold things until soon after the middle of June. We hope then to go to Vermont for a rest, before visiting our parents and Colorado Springs. This is a busy spring, being my senior year, having my ordination, and the and carrying the extra duties at the church. I think we may make a better impression at Colorado Springs after a good rest.

Leaving Vermont the first of July and sailing from San Francisco the first week in August, we should have seven or eight days at Colorado Springs. Do you consider this adequate? We hope to be able to visit friends in Hawaii and Japan. I understand that the University opens the fifteenth of September.

I sincerely hope that your trip to England has met with success, and that the endowment campaign is prospering. I shall be glad to hear more from you regarding my teaching and your plans for me.

Your earnest friend,



P.S. My ordination is planned for April twenty second. I wish very much that you could be here.

27 Edgewood Avenue,
New Haven, Conn.

R M B

27 Edgewood Avenue,
New Haven, Conn.

0474

Robt. Bartlett

June 14, 1927

Dear Mr. Evans:

Mr. Robert Bartlett has been teaching English on a short term contract at Yenching. He has just returned with his wife and baby and their address is 1370 Chapel Street, New Haven, Conn. He does not know anyone here and has written to me asking me to present the following items: Asking that his request reaches the proper person in our office. I quote from his letter:

"They (his wife and baby) were both sick all the way across the Continent and under doctor's care in Chicago, Detroit and New Haven.

"The University Executive Committee voted to allow us salary according to local contract allowance to July 1st. The salary was paid by the Peking treasurer. We have contracted to date medical bills for doctors and nurse to the extent of \$105.00. Will you be good enough to speak to our New York Business Executive and ask that a check be sent to the above address."

Mr. and Mrs. Bartlett are going through a sad experience, as their young baby was found recently to be so afflicted that it will never develop beyond that of a child of six or seven years.

Very sincerely yours,

0475

First Congregational Church
Northwood, Mass.

ROBERT MERRILL BARTLETT, MINISTER
JOHN BRETT FORT, DIRECTOR OF RELIGIOUS EDUCATION

December 8, 1927.

Dr. J. L. Stuart,
Peking University,
150 Fifth Ave.,
New York, N. Y.

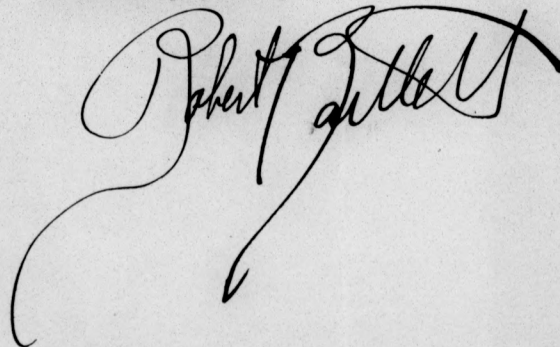
Dear Dr. Stuart:-

I want to acknowledge the package from my students. It contained an embroidered banner from my sophomore class. Thank you very much for bringing it with you.

The enclosed bulletin shows that I still think of the university with constant interest and that I will do all in my power to be of help here.

All seems to be going well. We are very happy in our work. Sue joins me in good wishes and hope we may have a chance to see you before you go back to China.

Cordially yours,



RMB/DEF
Enc.

✓

0476

First Congregational Church

Harwood, Mass.

ROBERT MERRILL BARTLETT, MINISTER
JOHN BRETT FORT, DIRECTOR OF RELIGIOUS EDUCATION

March 31, 1931

President J. L. Stuart,
150 Fifth Avenue,
New York City.

My dear Leighton:

I am glad to know that you are over here. Trust that it is not trouble that brings you, and hope that you will have good fortune in getting what you are after. I have followed up our efforts here. The governor, now out of office, is so provincial in his interests that we have no prospect there. Mr. Plimpton has sagged with approaching age into a worse tightness than before. He may do some small thing. Even our piano fund makes no real progress. The chairman of that committee, well to do and very close, is likewise content to stand still until the present depression has blown over. The wealth of this church is large but adamant. My chance to cooperate will come. I believe 100% in Yenching and know that world minded people will respond. I hope that my next parish will give me some fruitful contacts.

Could this
be Geo. A. P.
of Y. City?
Who is a cont.
to Y. U.?

Several offers have presented themselves since I saw you, to go into editorial work and to consider other churches. I do not want to leave the pulpit just now for writing, and I am waiting for some field that would promise big creative opportunity.

There are two churches now in the offing. If you care to I would like to have you write them. The same letter could go to both, and perhaps you will have some opportunity in the office to dictate them. The first is the Asylum Avenue Congregational Church, Hartford, Conn. The chairman of the committee is Mr. Charles W. Gross, 914 Asylum Avenue, Hartford, Conn. Rev. Lewis B. Paton of Hartford Seminary attends this church. You may possibly have been there and have some contact. It is a missionary church.

The second in the Fairmount Presbyterian Church, Cleveland Heights, Ohio. Joel Hayden is leaving this church to become headmaster of Western Reserve Academy. I am told that it is a liberal pulpit with a great future. John L. Severance is one of the key laymen. I believe his address is Mayfield Road, Cleveland Heights, Ohio. This must be the same Severance who has given to the work in Korea, to Oberlin etc. You may know him, Hayden or some person in that Cleveland Heights area. Both of these churches have potential friends for Yenching. You may remember that my father was a Presbyterian minister, my grandfather and granduncle also, and they ran Maryville College for many years. I have five uncles and several cousins in the Presbyterian ministry today and they lure me back. I would be glad

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First Congregational Church

Norwood, Mass.

ROBERT MERRILL BARTLETT, MINISTER

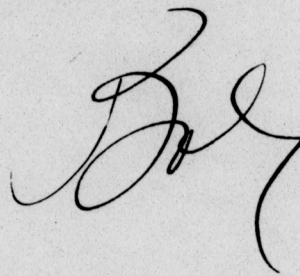
JOHN BRETT FORT, DIRECTOR OF RELIGIOUS EDUCATION

to consider a progressive Presbyterian church.

Both of these churches are about the same in membership as Norwood, but have a higher type of constituency and a future. We have 970 members here, and a church school of 675. I was born in 1897 and have been here four years.

Warmest good wishes to you. We hope to see you if you get to Boston.

Your cordial friend,



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