

[ca June, 1935]



UNIVERSITY OF LONDON, UNIVERSITY COLLEGE

GOWER STREET, LONDON, W.C.1

Telephone : Museum 8101

Reference :

DEPARTMENT OF ZOOLOGY
(Entrance by Malet Place, or Gower Street)

Dear Wiener

Your letter excited me sufficiently to cause me to enclose the subjoined sheet, which is not to be taken seriously. Note that το μετρίον means the measurable rather than the near. As soon as v is measurable nothing is quite measurable and common sense becomes necessary. Neither the logician nor the emotionalist need it.

I shall be glad to see your MSS, but refuse to come in as joint author. If the ideas which we share are any good, they are of sufficiently small mass to be nowhere particular and should be allowed to utilize us as they see fit, and not conversely. They will therefore be all the better for 2 presentations as different as possible, which may even enable anyone who reads both our works to attain a stereoscopic view of them.

I am busier than ever. I have made 1 discovery which ~~was~~ had for 20 years been too obvious for anyone to see it,



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partly because genetics developed in America where in science you have a fantastic divorce between experiment and theory. Anyone who does both is regarded as an indecent kind of hermaphrodite, so I am left with vast amounts of very obvious theoretical work to do. Some of it involves no mathematics whatever. But I have a problem which if I can formulate it mathematically may involve "fonctions de lignes" and not ordinary integrals.

We suffered less than might be supposed from the jubilee, as it was possible to retire into the country. It won't happen again, anyway, for at least 25 years — and perhaps for ever, as I find it a little difficult to suppose we shouldn't have a revolution within that period.

For the same reason I make no promises at all about next year. But we shall have a spare room for you, and possibly for the whole family. So please write in time for me to make sure you next year.

Yrs most sincerely

JBS Haldane



Light frequency

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$v \neq 0 = 0$	$v = c$	$v^{-1} = 0$
Führer, or omniscient democratic meeting of all citizens (Rousseau, Greek city states)	<u>Politics</u> Most existing states, U.S.A. near right-hand border, thanks to Mr. Hughes	Laws of the Medes and Persians, Torah
"Love thy neighbor as thyself"	<u>Morals</u> Actual behavior of good men and women	Categorical imperative
Mumbo-jumbo (lots of groven images)	<u>Religion</u> Christianity (maximum number of self-contradictions)	Judaism (no groven images)
Little Arthur's history of England. The B (Great men and great battles)	<u>Historiography</u> Ordinary guys.	Maquiavel, Bossuet etc (examples of principles)
O'Neill	<u>Tragedy</u> ?? Shakespeare	Racine
Hume	<u>Metaphysics</u> Aristotle	Plato
Cyclothymia	<u>Lunacy</u> ← →	Schizophrenia

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE, MASSACHUSETTS

OFFICE OF THE DEAN OF ENGINEERING

June first

Dear Robert, -

I have just received your letter of ~~June~~ ^{May} 1st, which I will hold confidential and discuss with you later. I shall be away until the middle of August.

The Department of mathematics has had and will have cordial support. Phillips is an excellent head, is doing well, has sound objectives including the

have some of your
shops balance one of
our budgets some time.
We had to take 38,000
out of operations this year
(which I hope we can restore
later) I can't pull rabbits
out of hats and neither
can Dr. Compton; but
by a large the worth
while things of the Institute
have been pretty well
protected.

We may lose men -
certainly. If we were not
being raised I would
doubt our standing. But
I have much satisfaction
in attempted raids that do

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE, MASSACHUSETTS

OFFICE OF THE DEAN OF ENGINEERING

anything we can do within
justice and reason. (I think
the one I mentioned above
was closely in that class, I
did not urge the man to stay.)
When this occurs we should
be content, for it is a test of
whether we truly place the
man's best interests first.
But these are rare.

Now your idea of
a diversion of mathematical
research does not
appeal to me. I have
an inclination to integrate
rather than divide. For
one reason the burden on

There are too damn many things to worry about in this world for this sort of thing to be given the emphasis you give it. Errors have been made?

Yes, I've made plenty and had to live with them afterwards. You senior members have not been consulted? The man was our institution with lots of supervision of board members as to policy than this one.

Blompton is simple at present without greater complexity.

If you people in math can't go it as you are far perfectly willing to try to find out why - but my whole impression of the present trend is that a some note is without true justification. From the facts on the record I don't think you have a case, and I am disturbed that you should think there is basis for either disappointment or fear for the future.

You are the outstanding
mathematical force of
the country. I sincerely
believe it, although not
qualified to judge by
direct evaluation. As
such I trust you can
excuse that quality
of tolerance and loyalty
which will enable you
to operate as a member
of a complex organization
smoothly and effectively.
The combination may be
too much to expect, but
I expect it, for I know
the group.

Erving
Van
Bor

This also is personal.

maintenance of our
standing in mathematical
research, and will have
my thorough support.
He has, as you know, the
vision of closer alliance
between part of his
dept and the engineering
mathematics of the institution
and in this I will back
him up. There is no
racial prejudice that
I can detect present
anywhere in the
administration of this
institution, and this
includes Phillips.

Promotions have gone
slowly - certainly - throughout
the Institute. I'd like to

not succeed. The last one involved
a man in an eng dept (Assoc
Prof) who was offered a headship
of dept at about twice salary.
He has no appreciable consulting
income. We made no provision
and we pretty well refrain from
doing so while an offer from
outside is under consideration.
He stayed.

I am not a bit afraid
that we will be generally
raided, because we do
not care for our own.

Occasionally a man
will be taken from us
by an offer of a post
that is so outstanding that
he simply cannot to
take it — it transcends



OFFICE OF THE DEAN OF ENGINEERING

June 1, 1935

Professor Norbert Wiener
Meredith, New Hampshire

Dear Professor Wiener:

It is still utterly impossible to tell whether I will be able to fit in a visit to you at your summer farm, and accordingly I am writing you a note in reply to your memorandum, in order that you may have a little more information with which to talk to Ku. I judge that you obtained the reprints from Caldwell, although this is not essential for Ku probably has them anyway. In regard to the algebraic devices nothing has been printed as yet except my mention of the matter at Cambridge last summer, and a semi-popular article. I will see that you get a note on the latter.

I can tell you of some of our costs, and I will be glad to have Ku have them as well, but I wish he would hold them somewhat confidential, disclosing them only to such members of his staff as he needs to consult. The reason for this is that I would not wish to be committed on these costs by their being known to some commercial concern.

The first model of the differential analyzer cost us \$25,000. This included only out-of-pocket expenses, that is salaries and purchases and the like, with no overhead. The overhead cost was probably as much more, but was not segregated. However, this cost included the development as well as the construction. The analyzer at U. of P., which is more extensive and better built, it is true, was built on government money, and I understand that its cost was twice the cost of ours. I think that a reasonably good job could be done under such circumstances as obtained with us when we built our own machine at about \$25,000. However, as you know, we are going ahead with a new design and development. It would not pay anyone to build an analyzer while this is going on, for we may well make improvements that they would wish to adopt.

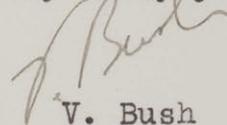
I have an idea that a cinema integraph could be built for about \$5,000 after our instrument is complete and tested, including again only out-of-pocket costs. I would put the algebraic equation machine on just about the same basis. We expect to do the construction of the present one at that figure. This includes, however, only nine equations. If our instrument is successful, as I have no doubt it will be, then anyone building another unit should build a larger one, profiting by our experience. The cost will go up as the square of the number of equations, of course, except that there will be certain economies possible in a larger machine which would hold the matter down somewhat.

I wonder whether it would be possible for the device that Ku would like to have to be built in China? I imagine that they have some machine facilities, and it may be possible that by purchasing some of the essential elements they could go ahead and construct the balance. We would be glad to furnish them with designs as far as we were able to do so, although many of our devices have been built from sketches rather than from finished drawings, as they have been partially designed during construction.

I think I need a little more information as to Ku's plans and resources before I can advise him fully. However, I judge that this is not a program on which speed is essential, and hence it seems to me best that you talk the whole affair over with him before anything is done. In particular I think he ought to plan, not a single instrument, but a program of mechanical analysis, if he is going into the matter at all, and on this you can help him enormously.

I hope very much to see you before you get away, but if not, I will at least have you in mind continually and I wish you and Mrs. Wiener a very pleasant and profitable journey to the Far East.

Very truly yours,



V. Bush

VB:C

CHINA INSTITUTE IN AMERICA
Incorporated
119 West 57th Street, New York, N. Y.

Cable Address "Huamei"

Telephone: Circle 7-3772

June 3, 1935.

Dear Professor Wiener:

We have just received the following
instructions from President Y. C. Mei, Tsing Hua
University:

"Kindly remit the sum of US \$1,040.00 to Professor
Norbert Wiener of the Massachusetts Institute of
Technology, Cambridge, Mass., as his and Mrs. Wiener's
travelling allowance from America to Peiping."

Enclosed you will please find a check
for \$1,040.00 for which we ask you to kindly return the
receipt attached herewith.

Sincerely yours,

Chih Meng

Chih Meng,
Associate Director.

Professor Norbert Wiener,
Massachusetts Institute of Technology,
Cambridge, Mass.

Encl.



College of Engineering
Chulalongkorn Univ.
Bangkok, Siam
June 4, 1935.

Professor Norbert Wiener
Dept. of Mathematics
Mass. Inst. of Technology
Cambridge, Mass., U. S. A.

Dear Prof. Wiener,

I have your letter of Feb. 12 and want to thank you very much indeed for the two beautiful letters of recommendation you enclosed.

We have just started our new academic year (we start when you finish) and the University has a record year as to number of new students enrolled.

It was interesting to note that you may spend next year in the Orient.

With thanks and kind regards from us both.

Sincerely yours,

Charles M. Gewertz

CMG:RW

Charles M:son Gewertz.

From Charles M:son Gewertz
The Engineering College of
Chulalongkorn University
Bangkok, Siam

Professor Norbert Wiener

~~Dept. of Mathematics~~

~~M. I. T.~~

~~Cambridge, Mass.~~

U. S. A.

*40 Pitt. Bluffelt
Stanford Univ
Palo Alto, Calif*

BOSTON, MASS.
JUL 6
3-PM
1935



BUY U. S. SAVINGS
BONDS
ASK YOUR POSTMASTER

RE-ADDRESS BY SUPT. OFFICE
JUL
6
1935
M. I. T.

BOSTON, MASS.
JUL
16
1935

FRIENDS OF CHINA, INC.

(SINO-AMERICAN SOCIETY)

377 COMMONWEALTH AVENUE

Dr. William E. Chenery

BOSTON, MASS.

Elmer O. Cappers

~~WILLIAM E. CHENERY~~
PRESIDENT

~~WILLIAM E. CHENERY~~
TREASURER

June 5, 1935.

Professor Norbert Wiener,
76 Cross Street,
Belmont, Mass.

My dear Sir:-

At the Annual meeting of the Friends of China, Inc. held May 28th, you were elected a member of the Advisory Committee. This requires no special duties on your part, only your friendly advice when called upon.

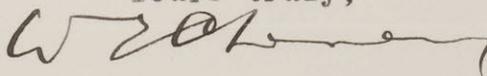
I was elected President and hope to bring together a large group of influential people who are interested in the establishment of friendly relations between China and America.

If you have any suggestions for the good of the Society I would welcome them, and if you know of any distinguished Chinese who are coming to Boston please inform me that we may in some way extend the courtesies of the Society to them.

Please reserve November 6th for a reception and banquet to His Excellency Sao-ke Alfred Sze, Ambassador from China to the United States. This promises to be a very interesting event.

Yours truly,

WEC JMB



William E. Chenery, M.D.

P.S. Do not fail to write us a letter or two about conditions in China that we may read them at some of our meetings.

FRIENDS OF CHINA, INC.
Newly elected Officers
May 28, 1935.

ic,
-Presidents,

His Excellency Sao-ke Alfred Sze
His Excellency T. V. Soong
Honorable Frank Chinglun Lee
Honorable Judge A. Lee-Pong
Honorable Koliang Yih
Professor Kiang Kang-Hu

President,
1st Vice-President,
2nd Vice-President,
3rd Vice-President,
American Secretary,
Chinese Secretary,
Treasurer,

Dr. William E. Chenery
Sir Herbert B. Ames
President Edward M. Lewis
Rev. William R. Leslie
Mr. Gilbert C. Brown, Jr.
Mr. Wing T. Goon
Mr. Elmer O. Cappers

ADVISORY COMMITTEE

Sir Herbert B. Ames
Rev. Raymond Calkins
Mrs. Raymond Calkins
Mrs. William E. Chenery
President John A. Cousens
Professor J. Anton DeHaas
Dr. D. Brewer Eddy
Professor Albert Bushnell Hart
Professor Arthur N. Holcombe
Dr. George W. Shepherd

Dr. Wilfred R. Wilson

Dr. Tehyi Hsieh
Professor Manley O. Hudson
President Edward M. Lewis
President Daniel L. Marsh
Rev. George L. Paine
President Harry Seymour Ross
Judge Emma Fall Schofield
Professor Claire E. Turner
Professor Norbert Wiener

北平國立清華大學
NATIONAL TSING HUA UNIVERSITY
PEIPING, CHINA

June 6, 1935

Dear Dr. Wiener -

This is just a short note to ask you to do me another favor. I am having a package sent from New York to meet you at San Francisco, and I shall be very much obliged if you will bring it to me. The package contains some inexpensive silver tableware, several pairs of stockings and a few other things. It is addressed to you, passenger, SS President Coolidge, Dollar Steamship Co, San Francisco, Calif. Sailing July 12. You may open the package and consider the articles as personal effects to avoid duty.

Many thanks for doing this for me. We hope you will have a very pleasant voyage and we shall be waiting for you here -
With best wishes -

Sincerely,
Lee

STANFORD UNIVERSITY

DEPARTMENT OF MATHEMATICS

STANFORD UNIVERSITY, CALIFORNIA

June 11, 1935.

Dear Wiener:

I am very glad that you can spend a week with us. The 4th July will somewhat interfere; not only with sightseeing, but also with your talks to us (I have set you down for two such). The reason being that the roads will so crowded with motor cars on that day - and to a certain extent over the week end - that it will be decidedly unpleasant to go driving; even dangerous. However, if you come out here on the evening of July 3, you could spend a quiet 4th here in Palo Alto; or in looking over San Francisco.

I propose the following schedule: that you arrive in San Francisco not later than the evening of the 4th; stay here in Palo Alto that night; give your first lecture on

2
STANFORD UNIVERSITY

DEPARTMENT OF MATHEMATICS

STANFORD UNIVERSITY, CALIFORNIA

Friday the 5th and your second on Monday July 7.

This will give you Tuesday-Wednesday-Thursday for one or more long drives; say to "Big Basin", Santa Cruz, etc. We also want to plan a picnic in the hills back of the University.

Now, as I told you in Washington, we have no money left (after engaging Szege for the summer quarter) to pay you a direct honorarium. But I can at least offer you and your family entire hospitality while you are here. This will be paid for mainly by the University, so you must not feel that it is entirely up to me personally. Since I have no guest rooms in my house, I will be compelled to lodge you at a hotel or apartment house in the town; like I did Professor and Mrs. Birkhoff a year ago. We will have some very good

STANFORD UNIVERSITY

DEPARTMENT OF MATHEMATICS

STANFORD UNIVERSITY, CALIFORNIA

dinners at my house; I have a really excellent Danish housekeeper; probably the best in town. You can practice your Danish at that time.

I judge from the title "Random Motion" that the Physicists and Chemists might be interested? Kindly inform me beforehand so that I can invite them.

Personally, I do not like to drive in San Francisco, on account of a slight trouble with my heart. And it may be a little late in the day (10:12 P.M.) for me to impress one of our young men to go with me to fetch you in San Francisco. I can probably do so; but if not, it would be perfectly easy for you to engage a taxi after you get off the ferry in San Francisco, to take you to "Third and Townsend" street station for a train to Palo Alto. One leaves at

STANFORD UNIVERSITY

DEPARTMENT OF MATHEMATICS

STANFORD UNIVERSITY, CALIFORNIA

10:45; you will have plenty of time. I would then be at the Palo Alto Station at 11:39 to meet you.

You let me know, as soon as you know definitely, on what day you will arrive in San Francisco; also where I can reach you by letter or telegram, for definite instruction as to your arrival. - If I can possibly, I will meet you at the ferry in San Francisco.

With kindest greetings I am,

Sincerely yours,

A. F. Bichelfeld.



OFFICE OF THE DEAN OF ENGINEERING

June 12, 1935

Professor Norbert Wiener
Meredith
New Hampshire

Dear Professor Wiener:

After talking with you on the telephone the other night, I discussed the subject of your Chinese visit with Dr. Compton, particularly in regard to the situation in North China and the possibility that this might affect your plans. In order to get the best possible information on this situation we finally wrote to the Secretary of the National Academy in Washington, Dr. Barrows, and asked him to get certain information for us. Dr. Barrows has done this very promptly and thoroughly, and I now have his reply and wired you this morning as follows:

"INQUIRY INDICATES SAFE TO PROCEED AS PLANNED.
WRITING TODAY."

Dr. Barrows went over to the State Department and talked with some of the men in the office of Eastern Affairs. He got in contact with one gentleman particularly who has had long experience in China and whose particular assignment is to keep thoroughly in touch with the situation there. Dr. Compton and I felt that this personal contact would be much more effective than any formal inquiry.

The definite opinion forwarded back by Dr. Barrows is that there are no conditions among present developments which would indicate that you should change your plans for accepting the post as Visiting Professor at Tsing Hua, leaving about July first.

The present activities on the part of Japan involve primarily insistence that Chinese officials in the vicinity of Peiping and Tientsin be changed in personnel to include individuals who would be favorably disposed toward the

Japanese; that the troops holding allegiance to the Nanking government be drawn to the south; and that other troops from the Shansi Province to the west be moved into Hopeh Province, as these are entirely acceptable to the Japanese. With this shift and readjustment which now appears to be well toward consummation, there will probably be no further disturbance for some time. Of course if the student body at Tsing Hua university should make a demonstration against the Japanese it might entirely alter the situation for you, but it is thought that it is not probable that a student uprising of that sort will occur.

I also obtained a considerable amount of information concerning the finances of Tsing Hua, and the way in which it is maintained. Apparently its funds will in no way be affected and it has sufficient endowment to carry on its affairs properly.

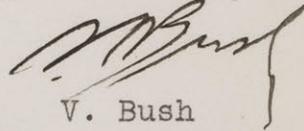
We never can be sure in any such matter as this of course, and a trip to the far east is bound to be something of an adventure even in the most favorable times. As far as you and your family personally are concerned, I can see no danger whatever. You are a distinguished foreign visitor and would be treated with great respect by the Japanese should you come in contact with them in any connection. In fact as you know, the title of professor carries more weight in Japan than practically any other. Moreover I think it is very unlikely indeed that any disturbance will take place at the present time, for the Japanese seem to have gotten what they want and I hence feel personally that they will be willing to pause a while before making any further move.

I think it is highly desirable that you should make a firm resolution before starting not to express any political opinions while in the East, in any way where you might possibly be quoted. It would be very serious if the papers were to carry in the East the results of an interview with you which indicated any particular political slant, especially as it would probably be distorted. I would hence make it a point to be interested in scientific matters only, and to indicate a complete lack of interest on all political matters whenever you make contacts. This may be a little difficult to combine with your complete frankness, but I think it is a good policy and those in the East will appreciate and respect complete reticence of this sort when you are on a scientific mission.

With this caution, which is undoubtedly unnecessary, as you have already had it in mind undoubtedly, I see no reason why you should not go ahead confidently as planned.

With best wishes for a very pleasant year,

Very cordially yours,

A handwritten signature in dark ink, appearing to read 'V. Bush', written in a cursive style. The signature is positioned above the printed name 'V. Bush'.

V. Bush

VB.E

June 12, 1935

Professor Norbert Wiener
Meredith
New Hampshire

Dear Professor Wiener:

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With best wishes for a very pleasant year,

Very cordially yours,

V. Bush

VB.E

Sendai, June 17, 1935

Esteemed Colleague:

Two months ago I heard of your intention to visit our country from Mr. Ikehara, and was anxious that you could not come to Sendai by lack of time. Now according your letter to Mr. Izumi, we, ^{all} members of the math. Institute of Sendai, are very glad to have opportunity to welcome you.

We esteem your works, so original and picturesque, very highly, and some of your mathematicians in our

東北帝國大學

Institute work under your indirect influence. Your visit to Sendai will stimulate us very much.

Although the Summer vacation begins with the end July almost all of us, including Mr. Izumi, will remain here and will wait the pleasant moment to meet you.

Yours very truly

M. Fujiwara
Tohoku University
Sendai, Japan.

RAYMOND W. STARR
JAMES A. STARR
THEODORE P. RYAN
GERALD L. VAN WESEF

STARR AND STARR
ATTORNEYS & COUNSELORS
MICHIGAN TRUST BUILDING
GRAND RAPIDS, MICHIGAN

July 8, 1935

Mr. Robert Wiener, Ph. D.
c/o Tsing Hua University
Pieping, China

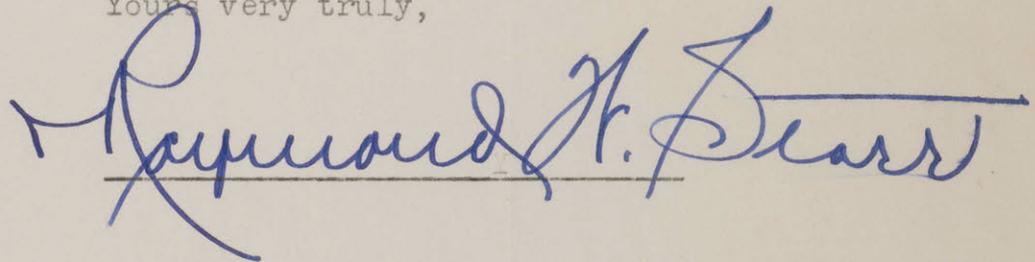
Dear Doctor:

You will recall our pleasant interview on the Michigan Central train going into Chicago Sunday, June 30th.

I write this brief note so that you may have a word from the States when you arrive in Pieping. I know you will have a most pleasant year in connection with your work at the University there and I trust that good health and good luck attend you. On your return I shall be intensely interested in your reactions to the social, economic and racial problems of the far East.

My kindest regards and best wishes to you and your family, and trust that I may hear from you.

Yours very truly,

A handwritten signature in blue ink, reading "Raymond W. Starr". The signature is written in a cursive style with a long horizontal line extending to the right.

RWS:HW

C O P Y

Institute of International Education, Inc.
Two West Forty-fifth Street
New York City

July 9, 1935.

Dean Roland G. D. Richardson
Graduate School
Brown University
Providence, Rhode Island

My dear Dean Richardson:

I do not know whether you are aware that the Emergency Committee in Aid of Displaced German Scholars has voted the sum of \$2,500 to the Institute for the purpose of arranging extramural lectures for Professor Otto Szasz, formerly of the University of Frankfurt, who during the past year was a visiting professor in the Department of Mathematics at the Massachusetts Institute of Technology. It is proposed to notify the universities and some of the more important colleges in the East of this opportunity to invite Professor Szasz during the first semester, the length of the visit to be left to the option of the individual institution. His services are to be given free of charge except that hospitality is to be offered him during his stay.

Before leaving for Europe, Mr. Murrow suggested that I write to you for advice as to the colleges and universities that should be addressed regarding this opportunity. President Compton of M. I. T. writes that Professor Szasz speaks English very well, has an exceedingly pleasant and friendly personality and has been distinctly successful as a lecturer in Mathematics, especially in dealing with advanced students. I take it from this description of Professor Szasz that we should approach only those institutions having advanced students in Mathematics.

I realize this is vacation time and I do not wish to put you to any special inconvenience. I am therefore enclosing a list of colleges and universities in the East, with the name of the head of the Mathematics Department, as we have them on our mailing list. Would you be good enough to check the institutions which you think might have students sufficiently advanced to enjoy lectures by Professor Szasz? Your assistance in this matter will be very much appreciated. I expect to write to the heads

*copy for
P. J. Menez*

Dean Richardson

-2-

July 9, 1935.

of the Mathematics Departments in the various colleges during the summer in the hopes that I may hear from some of them so that Professor Szasz can begin his lectures the first of October.

Sincerely yours,

(signed) Mary L. Waite
Executive Secretary

RECEIVED AT

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1935 JUL 9 PM 12 24

PROF NORBERT WIENER, CARE PROF H F FELDT=
LELAND STANFORD UNIVERSITY PALOALTO CALIF=

PLEASE INSTRUCT YOUR ATTORNEY IN CHARGE OF THE PROSECUTION OF
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J G ROBERTS..

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AMERICAN MATHEMATICAL SOCIETY
501 WEST 116TH STREET
NEW YORK CITY

July 24, 1935

Professor Norbert Wiener,
Leland Stanford University,
Stanford University, California.

My dear Wiener:

I have your letter of July 12 with which you return
the paper by J. Geronimus entitled

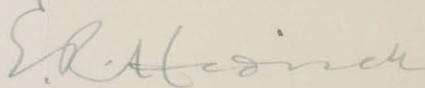
M
ON SOME QUADRATURE FORULAE ...
^

I am glad to know that you feel this paper is first class and
that I ought to accept it. I am, therefore, doing so, and
I am notifying the author immediately.

Ordinarily I send proof of a paper to the referee and
I should like to send proof of this to you, but I presume you
will be on your way to China before then. If you care to have
me do so and if you will give me your address in China, I
shall have the proof sent to you without any expectation that
you will return it to me. In any case, I should like to know
your Chinese address, if you yourself know it by this time.

With my regards and with my hope that your experience
in China will be pleasant, I remain,

Cordially yours,


E. R. HEDRICK

ERH:EH

Personal Add.

43 Humizonotyo, Nakano,

Tokyo, July 28, 1935.

Dear Dr. N. Wayne,

I have come to see your worthy name on today's "Asahi," and beg to say we are just going to have the Annual Meeting of the Mathematical Society. Practically every mathematician in Japan is a member, of whom some 800 will attend this meeting. It would be very nice if we are honoured by your presence. The meeting is to be held at the First Middle (High) School of Tokyo Prefecture. Would you be good enough ring me up ^{Phone} ~~40~~ 2408 Ginza 40. Phone 2408 Ginza, the school, Monday or Tuesday? Sincerely,
E. Hirano

P/S

-2-

I am almost sure that you are welcome by unanimous vote, yet I am not so far authorized to invite you. As soon as I have a reply from you I shall make haste to get such authorization.

At any rate I should like to have a nice talk at the Hotel or somewhere else as I am a mathematician proficient in English.

EP

36 Florence Avenue
Revere, Massachusetts

August 17, 1935

Dear Professor Wiener:

Please excuse my long delay in writing. The first few weeks after you left I spent on mathematics with results of a negative nature about which I'll tell you. Then my father came down with a severe attack of kidney stones and infection so that I let everything drop and was concerned only about him. Fortunately he was discharged from the hospital yesterday and it seems that his kidneys have not been permanently injured. If all goes well he will be back at work in about two weeks.

I saw Sumner Myers a couple of days ago. He is a student of Morse and has been at Princeton this past year as an N.R.F. and will be there again this coming year. He gave me some information about living conditions at Princeton. It sounds like a nice place. I suppose the best thing for me to do is forget about the Jewish situation and buckle down to work, but it isn't so easy. Sammy has given me an inkling of the battle you had on your hands this past year. It certainly must have been a rotten experience for you. After Myers told me that there are only six N.R.F.'s for next year and after Sammy told me what went on at Tech, I begin to appreciate how much trouble you went to, to get something for me. It seems that the difference between a gentile professor and a gentile hooligan is not always what it should be.

Do you know that the profs over at the E.E. department are quite enthused about Hitler? They sort of wave aside the Jewish question, the freedom of thought question, in fact everything that an enlightened person should hold as inviolate, and praise Hitler for organising a united Germany. It certainly is disgusting and disappointing, to say the least. Thank heavens I met Hardy to sustain my faith in the educated man. It's a loony world but we haven't much choice.

To get back to mathematics, you remember that the condition

$\int_{-\infty}^{\infty} \frac{dx}{1+x^2} \log^+ |f(x)| < \infty$ in connection with entire functions of exponential type implies $\lim_{\nu \rightarrow \infty} \frac{n(\nu)}{\nu}$ exists. As regards this condition, I have proved that for an even function with real zeros

$\frac{n(\nu)}{\nu} \rightarrow A$ does not imply $\int_{-\infty}^{\infty} \frac{dx}{1+x^2} \log^+ |f(x)| < \infty$. Also

that $\log^+ |f(x)| = o(x)$ does not imply $\frac{n(x)}{x} \rightarrow A$. Also

that $\int_{-\infty}^{\infty} \frac{dx}{1+x^2} \log^+ |f(x)| < \infty$ does not imply $\sum (\frac{n}{\lambda_n} - A) \frac{1}{n} \rightarrow$ limit.

All these results show that any good necessary and sufficient condition for the closure of $\{e^{i \lambda_n x}\}$ will be hard to find. I can show

that there is a one-to-one relation between

$$\sum (\frac{n}{\lambda_n} - A) \frac{1}{n} \rightarrow \text{limit}$$

and

$$\int_{-B}^B \log |f(x)| \frac{\log |x|}{1-x^2} dx \rightarrow \text{limit as } B \rightarrow \infty$$

This last can probably be worked up into a paper that will be a sort of sequel to a theorem of Paley and yourself. I'm beginning to think about random functions again after a long lay-off. I feel a little more at home with them and maybe before the year is up I'll be able to do something with them.

I've been reading some algebra and some stuff on the zeta function. I also read a lot on statistics and probability this summer.

Sammy's E.R.A. job is now full time. He tells me Littauer has a \$2800 per year job as instructor at the Naval Academy.

I've just received the picture post card that Ikky and you sent me. Cryptomeria Road looks very impressive. Ikky certainly seems glad to have you. You must be having a great time. China must be a virgin country as far as industrial development goes. What a paradise for an engineer! The Sino-Japanese situation is sort of pushed off the map here by the Ethiopian crisis and the German domestic

[N. Levinson]

MATHEMATICAL INSTITUTE
OSAKA IMPERIAL UNIVERSITY
OSAKA JAPAN

August 23, 1955

Dear Prof. Wiener,

This morning I received your kind letter with a pleasant news of Peking. While you were in my country, it was so hot and damp, but the day after you left, it rained very heavily, and it cooled off below 80°. And now it is returning to a pleasant, dry summer. My native summer was so hot and so uncomfortable that I found it hard to bear.

In spite of the strenuous schedule in Japan you visited Sendai so obligingly. People of Sendai were deeply impressed by your visit, and they will prove faithful followers of you as ever. Next time you are in my country, I hope that I shall be in a position where I can entertain you to my heart's content.

Your manuscript on "American Secondary School Mathematics" is now in printers' hand, and it will be published within a few months.

MATHEMATICAL INSTITUTE
OSAKA IMPERIAL UNIVERSITY
OSAKA JAPAN

I am glad to know that you all have started your Chinese life under happy conditions. I wonder whether Mrs. Wiener will give me a letter written in Chinese sooner or later. Barbara and Peggy must be teaching parents Chinese now.

While you are so near, we shall impose on your good nature and generosity. Will you convey my best wishes to Lee?

Speaking of Zygmund's book I shall be happy to possess a copy.

Again I thank you for your trip here, and send your family my best regards.

Prof. Sasaki wrote me that he would deliver lectures at various universities during the first semester.

Sincerely yours,
S. Itohara

MATHEMATICAL INSTITUTE
OSAKA IMPERIAL UNIVERSITY
OSAKA JAPAN

P.S.

Mr. T. Hirano sent me the enclosed photograph with his thanks for your lecture.

Mrs. Fujishiro also sent me two photographs taken at her home while we were in Sendai. By this time you must have received them directly from her. All the children appear enjoying bathing suits on the foreign soil. You see, Fujishiro's children are also strangers in Tokyo.

Note: Original can be found
in AC 103 (M.I.T. Faculty
and Academic Records
Office), Box 38

北平國立清華大學

NATIONAL TSING HUA UNIVERSITY

PEIPING, CHINA

September 1, 1935.

Dear Bush:

So far my trip has been an entire success. They treated us royally at Stanford, where I gave two lectures. They put us up at their expense in the best apartment hotel in town, gave us lots of picnics, and we enjoyed ourselves thoroughly. Szegő was there for the summer, and our two families had a particularly good time together. The talk at the MIT club in 'Frisco came off well. I talked chiefly on the computing machine program, as I did also in Hawaii. Fields of Hawaiian Electric took us round the east half of Oahu. Hawaii is certainly a delightful spot.

The boat trip was agreeable-- good food and good company. Ikehara met us at Yokohama. He is now Lecturer at the new Imperial University of Osaka, and is finding a much better reception than he expected. He was exempted from military service because of his rather frail physique. His general health is however quite good enough. He has made himself respected in mathematical circles -- Carleman uses his theorem heavily in a recent paper at the Scandinavian math. congress-- and is in line for the new chair of applied mathematics to be established at Osaka. This pays wretchedly by our standards, but fairly adequately by Japanese. My trip helped Ikehara's prestige a good deal.

We put up in the Imperial Hotel in Tokyo. The first night the MIT club gave a dinner in grand style. I trotted out the same old spiel. The company was very pleasant --Mitsui himself gave the party at the Mitsui Club -- and afterwards we were treated to an exhibition of impromptu water-color painting. I learned that MIT has trained a very large percent of the higher engineer officers of the Japanese

navy. Goto and Nabeshima were among the officers there. Young Minami was there too. He is finding himself so American that he is not having an easy time to get readjusted.

While Marguerite and I were at the party, Ikehara saw to it that a Japanese lady whom he knew in Boston and her little girl were staying with the children. The lady and girl turned out to be acquaintances of ours, and the little girl, Motoko Fujishiro, had been to kindergarten with my children. She is very American, and the kids had a good time.

The next day I dined with the Tokyo math. department. The head, Takagi, is the best mathematician in Japan, and a thorough old crab. He only appoints middle aged men to his department. He was not too friendly to me, and I later learned that he was jealous of a big write-up I had got in the newspapers through no fault of mine. That evening Ikehara and I went on to Sendai. Several of their young men are working right down my alley -- Izumi (who looks like a young Frenchman) and Takahashi in particular. Fujiwara, the head of the department, and the whole department, gave me a wonderful time. We went to a most beautiful seaside resort, and then back by motor boat along an unbelievably picturesque coast. After resting in a Japanese hotel, I gave a talk on Tauberian theorems. They then took me into the faculty room, propped up a blackboard on the table, and shot questions at me. I am impressed with the calibre of the youngsters, and their seniors' solicitude for them. Then we had a banquet. That evening we returned to Tokyo.

While we were away, Marguerite and the children had been taken by Minami to Kamakura, and had visited Mrs. Fujishiro at home. The next day we rested. The following day I gave a talk on mathematics in American secondary schools to a convention of secondary school teachers. I am afraid I spilled a lot of beans, but our secondary schools rate a good panning. The next day we went on to Nikko -- beautiful scenery and

temples. Then back to Osaka, where we went through the same routine of a lecture at the university, a talk to the M.I.T. club, and various visits. Shimidzu, head of the math. department, is a good man and a good friend of Ikehara. He brought his youngsters ^{in the department} several times to our hotel to talk with me, and I was able to help them considerably. One of them has independently rediscovered my theory of random motion, and I was able to get him in touch with the subject. I think we should make a definite effort to encourage the young Japanese mathematicians to come to MIT to study.

Osaka has a good man in filter theory. I was surprised to see how much they were interested in this.

We went up to Kyoto, and saw some marvellous palaces and gardens. Ikehara and his mother saw us off at Kobe. I's father died since his son's return, but had the satisfaction of seeing his son well launched in a career. I. feels that he returned to Japan at just the right moment. His work is in a field now popular, and the Japanese estimate of American mathematical work is very favorable. I. is a man of very fine feelings and character, and will do us much credit. He has improved greatly since his return, and is much morè sure of himself.

We sailed from Kobe to Tangku on a Japanese steamer. Food most uninteresting. We met some nice ~~people~~ English residents of Peiping on the boat. On our arrival at Tangku, a porter from the North China Travel Service was there with a letter from Lee, and attended to us. Lee and Pi, the business manager of the college, were down on the next train, and saw us safely into Peiping and Tsing Hua. Lee was eager for work as ever, and was full of suggestions as to what problems to attack next. He is interested in the problem of a many output filter for terminating lines of the concentric, large frequency range type.

Our cook was already hired on our arrival, but Mr. and Mrs. Lee

had us over to dinner the first evening. Mrs. Lee is a Canadian girl of English ancestry. There is another mixed couple in this compound -- the Ni family. They are Cornell people, and he is second in command to Koo in EE. The Ni children are not far from ours in age, and play with them all the time. We ourselves have as much social life as we can take care of, and when it isn't anything else, we have an evening of bridge with the Lees.

Our house is of Western type: study, living room, dining room, two bedrooms, sewing room, bathroom, kitchen, unshaded porch, servants' quarters. We got it furnished -- the owners of the furniture are on leave. We have a man cook, a boy who is butler plus porter plus laundryman, an amah -- seamstress and nurserymaid combined -- and shall soon acquire a rickshaw coolie to take the children to school and act as gardener. We eat well and live well on no great expense. We are out in the country, and have nothing to disturb us except -- the racket of the cicadas, the agonized braying of the donkeys, the howl of the pariah dogs (wonks is the local Chinese-English term), and the wailing of the numerous babies of our neighbors.

Politically, nobody expects trouble for at least one year, and possibly several. The long-time situation does not look so favorable, but the school has made preparations to weather it. A lot may depend on the European situation, which is none too sweet at present. I cannot think, however, that even dictators are so mad as to embark on another world war.

The faculty here is thoroughly westernized. There is much less formality than in Japan. Hiong, head of the Math. department, is French trained, and a thorough Frenchman. I shall be able to work with the crowd. They have a lot of good young men who are already publishing.

Some of the men dress western, some in the long blue gown. The

ladies wear gowns of an unbelievable tightness, slit up at the sides. Some of the European ladies here copy the Chinese mode for the evening. The Chinese ladies are supposed not to have their gowns slit more than nine inches from the ground, they are supposed not to wear ankle socks, they are supposed not to have bobbed hair loose if it reaches below their ears, and not to wave their hair -- but then, we were supposed to have prohibition.

My wife and I start on Chinese tomorrow. Actually, I have already some thirty odd characters, and can direct a rickshaw coolie by the points of the compass, as is the North Chinese custom. Our boy speaks English, and my wife communicates with the amah by signs.

I have one version of my philosophical paper done, and am starting on another. I have all the materials for a note on filter theory, and have a mathematical paper all done but the writing. Another paper has considerable work done on it already, but there is a big gap which awaits filling in. It is one of those points that Paley and I had a lot of trouble with, and even without it, the paper is far from empty, but it is an insult to my intelligence not to know the answer. I am working like a horse, and expect a profitable year.

Lee is as helpful and as wise as ever. He has accompanied us on our many shopping trips into town. Mrs. Lee -- she is just recovering from an operation -- is a woman of his own quiet temperament, and in spite of the racial difference, they are obviously very congenial.

The mathematics people have given us one Chinese banquet. The food was delicious. Both here and in Japan I have manipulated the chopsticks with adequate skill -- better, they tell me, than Ikehara, who has unlearned the art by virtue of his long residence abroad, and uses the rather primitive technique of a schoolchild.

Gossip in Peiping is a fine art. It is a place where any European

floaters can make a decent living, and in addition to the real people of value, it seems to abound in remittance men, people with pasts, and general inefficient. With the continual contact and exchange of servants, you have an ideal culture medium for gossip. Add to this the easy life and the abundant time, together with the attitude of the Chinese, who will tolerate any lapse in a Westerner.

Two of my colleagues have already broached the question of a longer stay for me here than one year. I have already put the situation before them: the unusually generous treatment I have received from MIT, the many years I have previously been absent from the school, and the need that each generation of graduate students should have the possibility of working with me. I have said that another year's absence ^{following directly on this} is out of the question. I have said that if, after having me here one year, they wish to have me again on some future occasion, ~~if~~ they can take the matter up at MIT directly, and if the reaction is favorable there, I might be interested, but I have given them to understand that the financial arrangements on MIT's part are special for this year, and that they cannot expect a repetition. So far it has only been a matter of feelers, but I think it my duty to tell you how matters stand.

President Mei is a delightful person. He has lived a good deal in the States. He comes from Tientsin, and has the somewhat greater size of the northerner. He has a fine presence and voice. Everybody here likes him.

I hope Professor Jackson lets me know when he is coming. Everybody is anticipating his visit so much.

I have so much to say, and so many people to whom I have promised to say it, that unless I put the brakes on, I shall be spending my entire visit in letter writing. Will you please circulate this letter, or at least such parts of it as are considered fit for the general eye,

among my friends at MIT?

Before I forget it, they are intending to follow your advice, and make a determinant machine here. Everything waits until Koo's return from ~~Leit~~ Nanking. Also, will you let Vallarta know that they are ready and eager to cooperate with his cosmic ray program by taking observations, as soon as they know what the details are, and if possible, have the apparatus sent.

Please let me know the MIT dirt, the state of the country, etc. How is Old Man Depression?

Best wishes to Mrs. Bush, President Compton, Phillips, etc. etc. I am delighted the way the Szasz business has come out.

Sincerely,

Robert Wiener

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IN REPLY REFER TO

FILE NO. 130.7
SA:1



DEPARTMENT OF STATE

AMERICAN CONSULAR SERVICE

American Consulate General,
Tientsin, China, September 3, 1935.

Memorandum

For Mr. Norbert Wiener,
National Tsinghua University,
Peiping.

Your application for registration has been approved and will be valid for two years from this date.

You are requested to notify the Consulate General concerning changes of address, marital or family status, or other material facts set forth in your present application. You are particularly requested to notify this office in the event that you remove from the Tientsin Consular District.

Your passport is returned herewith.

Enclosure:

Passport No. 188559 issued by Department
on May 9, 1935.

BY REGISTERED MAIL.



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FRANÇOIS DIVISIA
L'École Polytechnique
Paris, France

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JOSEPH A. SCHUMPETER
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Editor of *Econometrica*

RAGNAR FRISCH
University of Norway
Oslo, Norway

THE ECONOMETRIC SOCIETY

*An International Society for the Advancement
of Economic Theory in its Relation
to Statistics and Mathematics*

September 5, 1935

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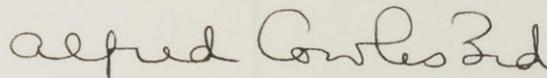
Professor Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Professor Wiener:

During the past year several notices have been sent to you at the above address, inclosing bills for \$6.00, representing annual dues to the Econometric Society for the fiscal year September 30, 1934, to September 30, 1935. According to our records you formerly indicated your acceptance of membership in the Society and we have since received from you no notice of resignation. The quarterly journal, *Econometrica*, has been sent to you regularly during the past year.

It will be necessary in the next few weeks to prepare an annual report of the finances of the Society and I should therefore greatly appreciate payment of your dues at this time. If for any reason you are unable to pay now, will you please communicate with me in any case, in order that I may have a check as to the correctness of your address.

Very truly yours,



Treasurer

AC:GD

AMERICAN MATHEMATICAL SOCIETY
501 WEST 116TH STREET
NEW YORK CITY

September 17, 1935

Professor Norbert Wiener,
Massachusetts Institute of Technology,
Cambridge, Massachusetts.

Dear Professor Wiener:

I take pleasure in informing you that at the meeting of the Council in Chicago you were nominated as Vice-President for the years 1936-1937. The ballot is being prepared and I shall take it for granted, unless I hear from you, that you are ready to serve the Society in this capacity.

You are closely enough in touch with the Society's affairs to know that we shall need the very best of our abilities and energies to keep its affairs moving along and on the upward path. I look forward with great pleasure to being associated with you in your new capacity.

I have the honor to be

Sincerely yours,



R.G.D. Richardson,
Secretary.

MATHEMATICAL INSTITUTE
OSAKA IMPERIAL UNIVERSITY
OSAKA JAPAN

Sept. 18, 1935

Dear Prof. Wiener,

With much thanks I have just received the copy of Zygmund's book, which will always remind me of my pleasant memories of your trip here.

Some time ago I sent you photographs taken at Yokohama and at Mrs. Fujishiro's. I did the proof-reading of your article on the "Education" with the aid of my colleague.

I am not yet able to connect Carleman's work with Birkhoff's ergodic theorem. We are studying "Random Functions" in our department with interest and also with difficulty.

I hope that you are finding your work in Peking interesting and that your family is comfortably settled in the ancient capital.

Again I thank you very much for your generous gift.

Sincerely yours,

Shikao Akhina

Note: Original can be found
in AC 103 (M.I.T. Faculty
and Academic Records
Office), Box 38

北平國立清華大學

NATIONAL TSING HUA UNIVERSITY

PEIPING, CHINA

September 22, 1935.

Dear Bush:

This is not a newsy letter, since I pumped myself dry of news last time, and nothing much has happened to affect the even tenor of our existence. The children are settled at school, and we are having as much easy social life as is good for us. We much prefer the healthy easy life of the campus to probing the depths of Peiping European society. Good Americans may go to Paris when they die, but I now know where bad Americans (and Europeans) go while they are still alive.

I have finished three mathematical papers and one philosophical one. I enclose a set up of an electrical simultaneous equation machine. Its only parts are resistances, voltmeters, potentiometers, and sources of voltage. Of course the voltmeters must be of high resistance, but they may be vacuum tube instruments. Half the voltmeters are merely null-point instruments, and on AC may be telephone receivers. By using vacuum tubes, the resistance of the voltmeters may be made substantially ^(Not needed V.W.) infinite. There is a little bit of juggling in the adjustment of the set, but I have figured out mathematically that the convergence of the process of successive approximation involved is rapid. The apparatus should be reasonably cheap and very accurate. We are going to build an experimental model here from standard resistance boxes, etc., and if it doesn't show any bugs, we shall go out after a really useful seven or ten line instrument. Can you see any hole? Is the gadget worth patenting? It might have a lot of engineering uses, and a ten-equation set shouldn't cost very many thousand dollars, for tenth-of-a-percent accuracy.

Now as to your paper: I think it is hot stuff. If I were you, I should emphasize the mathematical researches connected with the study of just how a back-coupled instrument works. For example, the mechanics of the tape determinant instrument is not at all clear to me. The end result is OK, but the study of forces, and of the dynamics of the gadget in coming to equilibrium, needs a lot of study. In many cases, the detailed study of just how a machine solves problems, dynamically as well as statically, and a consideration of matters of stability, will throw a great deal of light on purely mathematical questions. Conversely, it is not a trivial question to ask how a machine for solving differential equations must behave as we approach singular points. I can think of many first-rate pure mathematical doctor's theses which consist in a mathematical analysis of some phase of the machine's operation. The very interesting Gibbs' phenomenon of Fourier series was first discovered by observing the behavior of a harmonic synthesizer.

I have checked up a few slips of the typewriter. The paper reads well, and as you know, the vigor of your style is a great asset. I should not advise you to strive for a greater conventionality of treatment. I think you should emphasize very strongly the fact that much more is known of the statics of computing machines than of their dynamics, and should throw problems of this sort out to the mathematicians.

Lee has read your article with much interest. Koo also wants to be remembered to you.

Sincerely,

Robert Wiener

BELL TELEPHONE LABORATORIES

INCORPORATED

463 WEST STREET NEW YORK

CHELSEA 3-1000

J. G. ROBERTS
GENERAL PATENT ATTORNEY

SEP 26 1935

PROF. NORBERT WIENER
c/o Prof. Yuk Wing Lee
Tsing Hua University
Peiping, China

Dear Dr. Wiener:

The purchase of the inventions relating to electrical network systems made by you and Dr. Lee has been approved by the American Telephone and Telegraph Company. The total price, as agreed, is \$5,000, payable \$2,500 to you and \$2,500 to Dr. Lee. As stated in my telephone conversation with you at Palo Alto before you sailed for the Orient, this sum will be paid upon execution of the assignment of United States patent application Serial No. 560,716 filed September 2, 1931 and one or more additional United States applications which are now in course of preparation and which will be filed shortly, subject only to a non-exclusive, non-transferable license already granted to United Research Corporation.

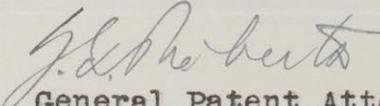
I have sent this assignment to Mr. J. E. Pickard, Manager of the Western Electric Company of Asia, located at 142 Museum Road, Shanghai, China, who will arrange for its execution by you and Dr. Lee, and an acknowledgment thereof before a United States consular agent at Peiping. Mr. Pickard will either take care of this matter on one of his frequent inspection trips in the Peiping territory, or will arrange to have the transaction handled entirely by the United States consular office in Peiping, and you should hear from Mr. Pickard or the consular office in the near future. The checks, one for \$2,500 made out to you and one for \$2,500 made out to Dr. Lee, will be delivered upon the execution of the assignment.

Prof. Norbert Wiener - 2

You requested that your check be deposited to your account at the Cambridge Trust Company, Cambridge, Mass., but it appears simpler to hand the check to you and you, of course, can transmit it to Cambridge if you so desire.

I hope the procedure outlined above for handling this matter will be entirely satisfactory to you and Dr. Lee, and I wish to express, on behalf of the Bell System, my appreciation of the cooperation you have shown throughout the entire transaction.

Yours very truly,


General Patent Attorney

RTH:JC-1

90 HAROLD F. WILHELM
120 BROADWAY
NEW YORK

Sept 28th
[ca 1935]

Dear Wiener :-

I have not written to you yet about your summer home - I am very sorry as I may have caused you some inconvenience. When I sold my last lot of Marine Bancorporate stock I got so little for it that doing nothing a whole winter is now out of the question.

I had a long interview with the I.E. people on my work. They knew more about the problem than I thought they did but their attitude is so unorthodox and their formulas so peculiar that I am sure they cannot be right in detail and in the limit in various directions. They have had a certain amount of experimental checks, however. It will be possible for me to make a definite contribution to the subject, however.

There is some possibility that I may
get something here at Columbia \$600-\$700
for correcting papers. I have written to
Bush at the last moment as I rather
be at M. D. T. of course.

You doubtless had a lovely time
in Switzerland! Remember me kindly
to Mrs Wiener.

Yours l.

Wyatt Douglass

P.S. Things are an awful head-ache
but do you think it is going to be
chronic? I am beginning to think
not - but that may be wishful
thinking.

Remember me to Douglas, Wildes,
Phillips, Zeldin, Waring & Parks.

W.D.

COLLÈGE

DE

FRANCE

Paris, le 4 Octobre 1935

Dear Professor Wiener

My best thanks for your kind letter.
I am most happy to think that Mrs.Hadamard and I
shall meet you and become ~~the~~ acquainted with
Mrs.Wiener.

Of course,I am also most pleased to hear
of the complete safety at Payping,and I am most
thankful to Professor Hiong and you to ^{have} informed
me of that.Indeed,when I saw Mr.Yang,I was reading,
in the newspaper,of accidents experienced by
travellers in China - probably exaggerated stories

Now,your letter gives me a complete
security in that line and I am settling every -

thing for my departure . Let us hope that each
to
of us has not reckon with the general uneasiness
over the whole world, which is a too real fact .

Kindly transmit my best remembrances
to Professor Hiong . Thinking most agreeably of
the pleasure to see you both very soon, ~~to~~ I beg
you to believe me

Yours sincerely

M. Adamant

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BULLETIN
OF THE
American Mathematical Society

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YALE UNIVERSITY
NEW HAVEN, CONNECTICUT

October 23, 1935.

Professor Norbert Wiener,
Massachusetts Institute of Technology,
Cambridge, Mass.

My dear Wiener:

Our supply of review material for the Bulletin is somewhat low at the present time and I am wondering if it will be convenient for you to send a review before long of the book by Hardy, Littlewood and Pólya.

Sincerely yours,

W. R. Longley

L:W

FACULTY CLUB
HARVARD UNIVERSITY
CAMBRIDGE, MASS.

Oct, 26, 1935

Dear Wiener:

Your very kind postcards reached me and were greatly appreciated by both Mrs. Burkloff and myself. May I add also that we are missing your personal presence at the Colloquium meetings. I do so myself especially. We are glad that Douglas is back, and Walsh.

In your absence I have asked Frank to take charge of the Nachsitzenen. The first one will be at our Faculty Club next week Thursday. Chittenden will speak to us. He is our next Colloquium speaker and is in training in Princeton for the purpose. He need not just

three because of the N. A. regulations.

Secondly, it is possible that Marshall Stone might go to the East (Peking in particular) during next year. He has a half year of rotational leave at full pay for the half year coming to him, and will probably take the second half of next year. He might even get an additional half year leave of absence at no pay. Is there any attraction possibly at Peking? He would be a great stimulus and would enjoy going if it could be made financially feasible. I have written Osgood briefly on the same topic.

With kindest regards and best wishes for your year at Peking and with warmest greetings to our colleagues there,
Cordially yours
George H. Birkhoff

about as much as a prize fighter who has been boxing for ten years needs training to get back into form. Perhaps he will do better than I expect!

These are two matters in my mind. First, Nat. Acad. ballot came today (preliminary ballot). I see just two candidates whom I have cast for: Walsh and Douglas. (It's accidental that they are Cambridge men, entirely so) I hope it to vote for them to the end, and I believe you will do the same from what you said. But I fear that somehow or other your ballot might reach Cottle too late (it does not count unless in his hands before end of year). Why not write Cottle a note at once giving your final official ballot as ① ② ③, naming



OFFICE OF THE DEAN OF ENGINEERING

October 30, 1935

Professor Norbert Wiener
National Tsing Hua University
Peiping, China

Dear Norbert:

Matters have moved so rapidly this fall that I have found little time to write you. Your letters of September 1st and 22nd were very welcome, and I am delighted to know that you are pleasantly located and that the work is going well.

Your comments on the Gibbs Lecture will be very helpful. I am getting to work on the revision and expect to have it in shape before very long.

Your discussion of an electrical simultaneous equation machine I confess I have not as yet studied through. I asked Hazen to review it, since he is thoroughly familiar with this sort of thing, but we have not gotten together on it as yet. As soon as I have some ideas on the subject I will of course write you. In the meantime the mechanical machine for this purpose is coming along well and I expect it will be in service early next year.

I talked to Struik yesterday, and while I judge that the people in the Math Department have already heard from you directly, I am sending your September first letter along so that it may be passed about the Department. Dr. Compton has already read it and was delighted that you are getting on so well. Of course before transmitting this letter of yours to the department members, I will leave out one sheet which refers to relations concerning possible future visits and the like.

On these I think that no great amount of comment is necessary, for we understand each other thoroughly on this matter. Sometime later on in the year we might have a further letter from you concerning what the authorities there have to say, and I will be glad to talk it over with Dr. Compton. They undoubtedly know however that this present year is a special arrangement

on M.I.T.'s part and that a continuation would have to be on some other basis. Furthermore they undoubtedly know that, while we are happy to loan you to them for a bit, particularly as the experience which you are getting is sure to be delightful, nevertheless we need you back here badly.

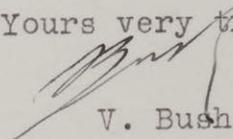
Undoubtedly Jackson will let you know when he is to be in your part of the country as he is quite thorough in preparing his plans in advance. I have no idea just when he is due to arrive, and in fact his program may be altered as he goes in accordance with his wishes and interests as they may develop.

There is nothing especially notable here to write about. Our financial situation this year is somewhat easier than last in many ways as there is undoubtedly a considerable business recovery. This is not reflected so much in actual balance sheets as it is in the general attitude which has improved enormously hereabouts. We are still in trouble in this country and serious trouble. The next Congress will probably pass a bonus and aid to farmers is running wild. Just how long the national credit can stand this sort of thing is anyone's guess. If we should run into serious inflation you would be fortunate in being out of the country. I rather feel personally that the national credit can stand the strain until the next election, but everything hinges on what happens at that time. There appears to be a considerable reversal of sentiment here, strong in the east of course, but appearing to some extent even in the middle west. Straw votes indicate this among other things and show a considerable turning away from the New Deal. This country being what it is, a swing of that sort once started is likely to go very far. I am therefore more optimistic than I have been at any time since this show started, although I recognize very definitely that unless such a swing occurs in public sentiment we are bound for much more serious times than we have already gone through. The forces of recovery are powerful things, and they operate to a considerable extent independently of political affairs, in the absence of wars or actual destruction of financial systems by foolish manipulation. Hence I feel sure that we are on the way out and rapidly so, provided the political tinkering can be held down.

Won't you give my best regards to all of my friends at Tsing Hua, and my best wishes to Mrs. Wiener for a pleasant winter.

With best regards

Yours very truly,



V. Bush

VB.E

Columbia University
in the City of New York

FACULTY OF POLITICAL SCIENCE

Theoretical Statistics

October 30, 1935

Professor Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

My dear Professor Wiener:

On the first page
of your preface to your book "The Fourier Integral"
you state that you originally intended to
include 'periodogram analysis' among
the topics considered.

Inasmuch as I
am examining periodogram analysis from
the statistical point of view and am
completely ignorant of harmonic analysis
in general, although I am familiar
with Lebesgue and Radon integration, I
would deeply appreciate any references,
and reprints if you can spare any, which
you may send to me.

I would particularly
welcome a statement of your viewpoint

Columbia University
in the City of New York

FACULTY OF POLITICAL SCIENCE

on pseudogram analysis.

Respectfully yours
William G. Madow
Research Assistant in
Theoretical Statistics

SUMMERTOWN 58063

4 CAPEL CLOSE
OXFORD

Nov. 17, 1935

Dear Wiener,

Many thanks for your letter
and mathematical notes. I am looking
forward to seeing you in Oxford next
summer. I am afraid I shall not
be able to go to Oslo.

I have now written rough drafts of
the following chapters on Fourier integrals.

1. Convergence, summability, uniqueness.
2. Mellin's formula, etc.
3. Transforms of the class L^2 .
4. Transforms of other L -classes.
5. Conjugate functions, Hilbert transforms.
6. Various auxiliary formulae.
7. Evaluation of definite integrals.
8. General transforms.

9. Differential Equations -

10. Integral Equations.

11. Self-reciprocal functions.

Most of this is in Hardy's hands at present. It is hardly in a state to send to you.

I suggest that you should give me a fairly free hand with this part, and read through what I have written next summer. I wondered also if it might be a good plan to publish in two parts; Part I, to contain roughly the above matter, which is fairly static, to appear as soon as possible. Part II, to contain Tauberian theorems, general harmonic analysis, etc, ~~it~~ would probably take

much longer to do. I
have worked carefully through some
of your writings on this part
but have not written out
anything formally. I have of
course used your published work in
some parts of Part I, but I
take it that it is in Part II
that you really begin to get
excited.

I have been lecturing through
solutions of differential equations by
Fourier for this term. The subject
seems to be about 100 years old
but I cannot find that it

Institut de France
Académie des Sciences

Paris, le 21 Novembre 1935

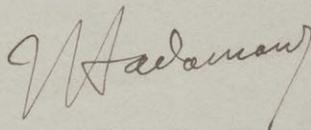
Quai Conti, n° 23

Dear Professor Wiener

I must trouble you for a personal information concerning Professor ~~W~~ Cong's family . We already know his boy, Ping Ming, but we understand that he has several other children. Will you be kind enough to tell me about their number, and, approximative ages ?

Very happy to think that I shall see you soon, I think you in advance and beg you to believe me

Yours truly



12 Rue Emile Faguet Paris XIV^e

Could you write

11/26/35

Problem: - Find the Chinese equivalent
of "Penny wise, dollar foolish."
(Do not practise!!)

J. R. Kline

C. O. Oakley = CO₂

Shohat

Szán

J. A. Hedlund

Rademacher

G. C. Webber.

D. J. Schaubert



THIS SIDE OF CARD IS FOR ADDRESS

1931

China

Professor Norbert Wiener
Department of Mathematics
National Tsing Hua
Peiping
China

NATIONAL ACADEMY OF SCIENCES
SECTION OF MATHEMATICS

FORMAL NOMINATION BALLOT

Dec. 3 1935

DEAR SIR:

As chairman of this Section, in accordance with the part of By-Law IV.2 of the Academy relating to formal balloting,* I have to inform you that the persons whose names are given on the accompanying "Formal Nomination Ballot" received on the last ballot of the Section the number of votes shown by the figures in the last column; and I have to request you to place a cross against the name of each one of the **three** persons whom you judge to be most worthy of nomination to the Academy this year, to attach your signature to the ballot, and to return it to me within *two weeks* of the date of this letter.

Please also write upon the ballot near the bottom any new names which you wish to have included in the ballot to be submitted to the Section next year.

A. B. Coble

Chairman

Address 251 Math. Bldg.

University of Illinois
Urbana, Ill.

*. . . The chairman shall then submit to the members of his section a new ballot showing the results of the informal vote; and each member shall be expected to return this ballot to the chairman with his signature and with crosses placed against the names of three persons whom he judges to be most worthy of nomination. In order to secure an adequate number of nominations, the chairman, when necessary, shall obtain by personal solicitation a fuller vote of his section or shall submit to the section a supplementary formal ballot.

The chairman shall then certify to the home secretary, prior to January 1, the names of all persons who have been voted for on the formal ballots, together with a statement of the number of votes each received and of the number of members voting. Of these all persons who receive the votes of two-thirds of the members voting in the section in cases voted upon by one section only, or the votes of one-half (however distributed) of the members voting in any two sections in cases voted upon by more than one section, shall be considered nominated.

To our dear colleague Robert Wiener

FACULTY CLUB
HARVARD UNIVERSITY
CAMBRIDGE, MASS.

Dec. 5, 1935

Harfelijke groeten van

George D. Birkhoff	D. J. Struik
Saunders Mac Lane	L. M. Graves.
Marshall Stone	H. Whitney
Jose Douglas	John L. Barnes.
Rudolph E. Langer	J. I. Walsh
	L. V. Ahlfors
	M. R. Heines
	M. G. Franzstein

THE STATE UNIVERSITY OF IOWA
IOWA CITY
DEPARTMENT OF PSYCHOLOGY

Professor Norbert Wiener
76 Cross Street
Belmont, Massachusetts

Dear Norbert

This morning I am going to do a strange thing. I have nothing to write about; on the other hand I have not seen you or heard from you directly for almost a quarter of a century and yet ever and anon your name comes up among my associates here. For example, Chittenden and I are fairly close friends. As you know he is at Princeton this year and is selected to give the colloquium lectures which I understand you have already given. In an off-hand manner I have tried to keep up with such a thing as topology.

But I still have strong memory images of our unique experiences at Cornell and the suddenness in which you bobbed up in Göttingen in 1914. Every once in a while in connection with our laboratory work here I run through my laboratory reports in which your name appears as my former partner.

How are you anyway and how are things going? I see by your account in Who's Who that you have two daughters and are presumably happily married. If you have a stenographer handy I am sure that a letter would brighten my horizon for several days. It is too bad that I did not improve upon my opportunity when I was at Wellsley for three years to call upon you.

You may like to know that in a few months my magnum opus in the shape of the Psychology of Feeling and Emotion is to appear from the house of McGraw-Hill. It will be a book of about 650 pages full of scientific notations and footnotes. I see that you have already delivered a master-piece which I am sure I could not swallow.

With kind personal regards, I am

Cordially yours,

Christian A. Ruckmick
Christian A. Ruckmick

13 December 1935

CAR:MS

ADDRESS ALL COMMUNICATIONS
% WARNER BROS. PICTURES, INC.
BURBANK, CALIF.

W. E. BEATTY
PATENT ATTORNEY
UNITED RESEARCH CORP.
41-39 THIRTY-EIGHTH ST.
LONG ISLAND CITY, NEW YORK

December 24, 1935.

Dr. Norbert Weiner,
Department of Mathematics,
Massachusetts Institute of Technology,
Cambridge, Mass.

Dear Dr. Weiner:

The patent application, Serial No. 560,716,
filed jointly in the name of yourself and Mr. Lee, is
now issued as United States Patent No. 2,024,900.

Will you kindly let me know what disposition
I should make of the Letters Patent.

Very truly yours,

W. E. BEATTY.

WEB-g