

152

CORRESPONDENCE June 1952

N. WIENER - MC 22

p. 18 "of King Saladin" to "of the vizier of King Saladin"

p. 18 "law-giver" to "codifier of Talmudic law"

① p. 19 "agiba" to "ariba".

② p. 19 "about the time of Napoleon" to "from 1815 to 1837".

③ p. 19 "It seems... he does not live in exile" to somewhat as follows: "Like Haimeonides he was generally recognized as one of the greatest Talmudic authorities, but unlike Haimeonides he was ~~an opponent to~~ opposed to secular learning".

④ p. 19 "through a family... as well" to "through a family of publishers of the Jerusalem Talmud in Krotoschin, in 1866.

[I think your father got the name "Daniel" from the name of the first publisher of the Jerusalem Talmud, Daniel Bomberg, a non-Jew, in Venice, 1523]

over

p. 20 "Poland" to "Russia"

p. 35 "the evangelical" to "the evangelical, and incidentally
also rabbinic"

④ p. 179 ~~Mose ben Maimon~~ Moses

① p. 179 "Moseh Bin Maimon" to "Moses ben Maimon"

② p. 179 "of the Sultan Saladin" to "of the
Sultan Baladin's vizier"

① p. 180 "Platonic" to "Aristotelian"

② p. 180 "More Nebuchim" to "Moreh Nebukim"

③ p. 180 "to" to "of"

p. 345 l. 1. ?

COLLÈGE

DE

FRANCE

CHAIRE

DE MATHÉMATIQUE ET MÉCANIQUE

Paris, June 1. 1952

20, rue Leverrier

Paris, 6.

Dear Wiener:

I should have written to you much sooner, but we were often out of town, and, as a matter of fact, abroad. We spent some time in Italy: Florence, Anisi, Perugia etc... We were glad to receive a letter from Mrs Wiener from Mexico; I do not know where you are now but I imagine that this letter will be forwarded to you.

May I ask you a favor? A friend of mine: Professor Delsarte (Professor of mathematics at the University of Nancy), you certainly recall him,

You have not him offer in Navy, in
his house, is invited to lecture for
two month at the University of
Mexico. Since he is not paid very
much, he would like to be able
to have a room in the Instituto
de Cardiologia. He told me this was
possible with a recommendation, in instance
from you. Could you please do it
for him (and this being a favour for
me, since he is a good friend of mine)?
If so, thank you very much.

How are your daughters? your grand
children?

Give please our best regards to
Mr. Wiener. Best wishes for all your
family.

Sincerely yours
J. Mandelkowitz

[ms. 6/10/52]

United States Department of Justice

UNITED STATES ATTORNEY

SOUTHERN DISTRICT OF ILLINOIS

Springfield, Illinois

June 2, 1952

Honorable Norbert Wiener
Professor of Mathematics
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Professor Wiener:

I beg the liberty of writing you this note to get some information, and I trust that you will not think that I am imposing upon your good nature.

On January 2 of this year, Mr. Justice Frankfurter delivered an opinion of the Supreme Court of the United States in a case, in which he discussed the Due Process Clause of the Constitution. He uses this language:

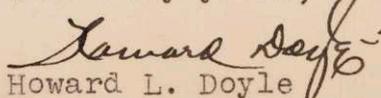
"Due process of law thus conceived is not to be derided as resort to a revival of 'natural law.' To believe that this judicial exercise of judgment could be avoided by freezing 'due process of law' at some fixed stage of time or thought is to suggest that the most important aspect of constitutional adjudication is a function for inanimate machines and not for judges, for whom the independence safeguarded by Article III of the Constitution was designed and who are presumably guided by established standards of judicial behavior. Even cybernetics has not yet made that haughty claim."

I have your book on "Cybernetics" and I am just wondering whether the very able Justice correctly used the word "cybernetics" in the above-mentioned opinion.

If you can conveniently spare the time I certainly will appreciate your observation on this.

Assuring you of my gratitude,

Sincerely yours,



Howard L. Doyle

United States Attorney [and 7/15/52]

HLD:GM

HEADQUARTERS
SIGNAL CORPS ENGINEERING LABORATORIES
FORT MONMOUTH, NEW JERSEY

REFER TO: SIGEL-RTB-3
Project 323A

Director ADDRESS REPLY TO:
Evans Signal Laboratory
Belmar, New Jersey

JUN 2 1952

Professor Norbert Wiener
Massachusetts Institute of Technology
Department of Mathematics
Cambridge 39, Massachusetts

Dear Professor Wiener:

Thank you for your letter of 23 May. I think it is fortunate indeed that Dr. Siegel will collaborate with you next year. If I read the signs aright, the job of feeding physical grist to your mathematical mill could well absorb the full time of a couple of good men.

I should like to call your attention to an article by J. E. Moyal on "Quantum Mechanics as a Statistical Theory", Proceeds Cambridge Philosophical Society 45, 99 (1949), which seems to be fairly closely related to information and quantum mechanics. He also gives a few dozen references.

In the last few weeks, while trying to write up my "Information, Thermodynamics, and Life", I've been having great sport trying to find a physical basis for complicated communication networks, data storage, etc., which must exist even in a single cell. While it is premature to shout "Eureka" from the housetop, the first fruits are so tasty I can hardly keep from throwing caution to the winds. The tie-up between organization, communication, and control on the one hand and biophysics, biochemistry, evolution, etc. in the other is very pleasing. It is difficult to write up the old with the new clamoring so for attention (a perpetual problem with me). I will send you a copy when it is written up.

I get up to Boston a few times a year and am looking forward to seeing you and meeting Dr. Siegel.

Very truly yours,



JEROME ROTHSTEIN
Solid State Device Section
Thermionics Branch

SIGNAL CORPS ENGINEERING LABORATORIES
EVANS

JUN 5 3 14 PM '52

UNIVERSITY COLLEGE LONDON

DEPARTMENT OF ANATOMY

EUSTON 4400

GOWER STREET, W.C.1

Professor J. Z. YOUNG, M.A., F.R.S.

June 3 1952.

Dear Professor Wiener,

I was delighted to have your letter this morning. I leave here to-morrow and sail for New York. I expect to arrive at Cambridge on June 20 or 21 and I expect to see Denny-Brown on June 23. I could see you on June 24 and if you were on your farm, I should love to stay overnight; I must be at Williamstown, Mass. on the evening of June 25.

I am so glad that we shall be able to meet again for there are many things I want to discuss, especially in the light of some new data I've got. We surely need some powerful mathematics but I don't know what is the best angle of approach- it might be anything from groups to stochastic processes!

My New York address will be

c/o Mr W.B.J. Partridge
Representative of Midland Bank Ltd London
at 44 Wall Street
New York 5, N.Y.

With all best wishes,

Yours sincerely,

Donald Sholl
→
(D.A. SHOLL)

Professor N. Wiener
Department of Mathematics
Massachusetts Institute of
Technology.

[ans 6/10/52]

ENCYCLOPEDIA AMERICANA
TWO WEST FORTY-FIFTH STREET • NEW YORK 19, NEW YORK

OFFICE OF THE EDITOR

June 5, 1952

Professor Norbert Wiener
Department of Mathematics
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

Dear Professor Wiener:

In reply to your letter of May 28th, we are writing to Dr. McDannald, who retired as editor in chief some years ago, inquiring as to where we might obtain a picture of the Encyclopedia Americana offices in Albany, New York. I am sure he will be able to help us, and I will be getting in touch with you very shortly.

I am making a note to watch for your autobiography next winter. With all good wishes,

Sincerely yours,

Lavinia Dudley
Lavinia Dudley
Executive Editor

LPD/arc

ORDNANCE CORPS
HEADQUARTERS
ABERDEEN PROVING GROUND
MARYLAND

IN REPLY
REFER TO

5 June 1952

Mr. Norbert Wiener
Department of Mathematics
Massachusetts Institute of Technology
Cambridge 39, Mass.

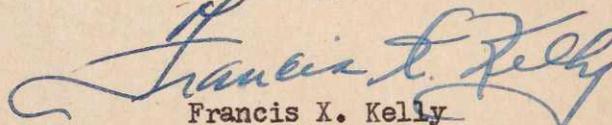
Dear Mr. Wiener:

In reply to your request of May 22 for pictures of Aberdeen Proving Ground as it appeared during World War I days, I am sending you 8 x 10 glossy prints made from glass plates and a copy of "The Big Gun", published in 1918.

Since "The Big Gun" is my own personal property, I request that it is returned to me personally within the next six or eight weeks.

You have permission to reproduce the photographs for your autobiography.

Sincerely,



Francis X. Kelly
Information Office, Headquarters
Aberdeen Proving Ground, Md.

[ans 6/12/52]

NATIONAL SCIENCE FOUNDATION
WASHINGTON 25, D. C.

June 6, 1952

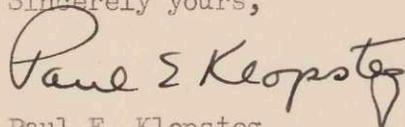
Professor Norbert Wiener
Department of Mathematics
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

Dear Professor Wiener:

We are enclosing another proposal, P-302, submitted by
Professor Claude Chevalley of Columbia University, for your
evaluation.

Your help in making these evaluations is very much
appreciated.

Sincerely yours,



Paul E. Klopsteg
Assistant Director for
Division of Mathematical,
Physical and Engineering
Sciences

Enclosures

[and 7/19/52]

46 Pleasant St.
Ayer, Mass.

June 8, 1952

Dear Norbert.

I have sent you my
picture of long ago - taken not
too long before I knew you - first.

Also Alfred Richardson has been
able to make ^{two} ~~some~~ prints from
pictures of Main Street taken
in 1905, just your time.

You will notice in one
picture, Harlow & Parsons

the Old Mill Farm.

We shall be anxious to hear
to know about your book.

Remember me to your wife
and especially to your mother.

Yours sincerely

Laura S. Leavett

butcher cart that went around
this and adjoining towns - at
one time they had six or eight
such carts. You will also see
a night lunch cart, which
was brought up to the street
every evening - for night trade.

Of course the pictures are
yours to use. We are still
hunting for a picture of Frank
but they so far have been too
early or too late.

We have no picture of

NATIONAL RESEARCH COUNCIL

2101 CONSTITUTION AVENUE, WASHINGTON 25, D. C.

Established in 1916 by the National Academy of Sciences under its Congressional
Charter and organized with the cooperation of the National Scientific
and Technical Societies of the United States

DIVISION OF PHYSICAL SCIENCES

June 9, 1952

Dr. Norbert Wiener
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

Dear Dr. Wiener:

The purpose of this communication is to elicit your assistance in appraising the scientific merits of a research proposal submitted to the Office of Ordnance Research, a copy of which is enclosed. It is from Dr. Martin Davis of the University of Illinois.

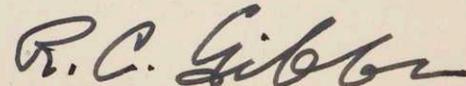
The essential features of the basic ordnance research program and the way in which the National Research Council has arranged to assist in this undertaking are outlined in the accompanying memorandum. After reading this outline, I hope you will be willing to serve as a referee of this research proposal and that we may feel free to call upon you occasionally for further similar assistance.

Since the Advisory Committee wishes to report promptly to the OOR on research proposals and in doing so will wish to be guided by advice from the referees, I hope we may receive your report within a week at the latest, preferably sooner. I shall greatly appreciate it if you will fill out, sign and mail the enclosed postcard for delivery by return mail.

We are enclosing an addressed, stamped envelope for your use in sending your report to this office. Please enclose the research proposal itself along with your report.

With thanks and cordial appreciation for your anticipated assistance, I am

Sincerely yours,



R. C. Gibbs, Chairman
Committee, Advisory to OOR

[ans 7/19/52]

BASIC ORDNANCE RESEARCH PROGRAM

DEPARTMENT OF THE ARMY

* * * * *

NATIONAL RESEARCH COUNCIL ADVISORY COMMITTEE

An Office of Ordnance Research (OOR) has been established recently in the Army. Its primary objective is to promote and support basic research in science.

The ordnance group is not unmindful of official responsibility for a program of development in matters that pertain to ordnance operations in the Department of the Army. Their thinking underlying this undertaking, however, has led to the conviction that a strong supporting program in basic research, in those fields of science having the more promising potentials for future usefulness in ordnance development, would provide the most favorable basis for the discharge of such a responsibility. Accordingly the basic research projects which are to be supported, largely in colleges and universities, will for the most part be in the fields of chemistry, engineering, mathematics and physics.

The National Research Council (NRC) has been asked to assist the OOR in evaluating the scientific merits of the basic research proposals submitted in connection with this program. In rendering this assistance, over-all responsibility is to be placed in the hands of an NRC Committee. For each research proposal, the members of the Committee will solicit the advice of three or more referees who have expert knowledge of the special field of that proposal. The members of the committee appointed for this purpose are as follows:

NRC DIVISION

COMMITTEE MEMBERS

Chemistry and Chemical Technology	Ralph S. Halford Department of Chemistry Columbia University	D. S. Tarbell Department of Chemistry University of Rochester
Engineering and Industrial Research	Louis Jordan Division Executive Secretary	C. R. Soderberg Dept. of Mechanical Engineering Mass. Institute of Technology
Mathematics	Marston Morse, Division Chairman Department of Mathematics Institute for Advanced Study	Einar Hille Department of Mathematics Yale University
Physical Sciences	R. C. Gibbs Division Chairman	J. W. Beams Department of Physics University of Virginia

R. C. Gibbs is serving as Chairman of the Committee.

As is customary in any advisory function performed under the auspices of the NRC for an agency of the Government, neither the members of the Committee nor the

referees will be paid for their services. It is planned to distribute the calls upon referees fairly widely and thus to minimize the demand upon the time and attention of each referee. Those to be invited to serve as referees for a particular research proposal will be selected by the Committee members representing the appropriate NRC Division or Divisions of the Council.

The reports from referees and committee members to OOR will be handled on a strictly confidential basis. In furtherance of this policy a referee may feel free to omit from his report any indication of his name and professional connection. A brief transmitting letter to the Chairman of the Advisory Committee will suffice to authenticate his report.

In his review of a research proposal, a referee will not be expected to appraise its probable value in ordnance development but rather to consider whether it is likely to yield significant scientific information of a basic character. In general it will not be feasible for a referee to attempt a comparative rating of a research proposal. This responsibility may, however, be assumed by members of the advisory committee whenever such comparisons appear to be justified by adequate evidence regarding several proposals.

It is not desirable for referee reports to be streamlined into a common pattern. Indeed, their greatest value may lie in an element of individuality. However, comments relating to the following aspects of a proposal will serve to provide some degree of common coverage.

1. Scientific merit and originality of proposal.
2. Qualifications of chief investigator and supporting staff.
3. Adequacy of facilities.
4. Useful suggestions for investigator. (An attempt to bring about a major recasting of a proposal seldom works out advantageously.)
5. A summarizing paragraph pointing out both the strong and weak features of a proposal as viewed by the referee would be particularly helpful.

Research Institute of Low Temperature Science,
Hokkaido University, Sapporo, Japan.

June 9, 1952.

Professor Nobert Wiener
Massachusetts Institute of Technology
Cambridge 39, MASS.

Dear Professor Nobert Wiener:

We are very regretful to inform you that Prof. Katsumi Imahori suddenly passed away at 2. 30 a. m. on the 1st of this month, owing to heart-failure. We have been investigating the problem of weather-forecasting, mechanism of diffusion by turbulent motion, sound analysis and its relation to the subjective perception, the general theory of prediction etc., under his guidance on the cybernetic principles. We all have been keenly interested in your papers sent to Prof. K. Imahori and would discuss about them in the colloquium held weekly in our laboratory. We are now looking blank at the sudden death of our leader upon whom we were depending. But we intend not to lose the way but to continue the investigation as far as possible. We all thank you for your good friendship with our late leader, and should be very happy if you would kindly keep up the correspondence with us and send us your works giving us further criticisms and suggestions as well.

Yours very truly

T. Ishida,
Y. Segawa,
T. Kobayashi,
J. Hori,
H. Imai,

members of the meteorological laboratory
in the Institute of Low Temperature
Science.

[ans 6/19/52]

June 10, 1952

Mr. Ernest Allen
Division of Research Grants
National Institution of Health
Bethesda 14, Maryland

Dear Mr. Allen:

I am writing to you on behalf of Dr. José Gonzalez-Fernandez of Argentina. He now holds a Rockefeller Grant under which he has been studying at M.I.T., but which will end at the beginning of September. He has an appointment to work during the coming academic year with Dr. John S. Gray in the Department of Physiology at Northwestern University. He hopes to secure the money necessary to enable him to continue his work in the United States from the beginning of September through the coming year.

Dr. Gonzalez-Fernandez has been working with me at M.I.T., and I hold the highest opinion of his work. I consider that to give him a chance to do further work in the United States will contribute not only to bettering scientific relations between the Americas, but will help develop a field of work which needs development in the United States itself.

Sincerely yours,

Norbert Wiener

hb
cc: Dr. G-F

June 10, 1952

Miss Laura Leavitt
46 Pleasant Street
Ayer, Massachusetts

Dear Miss Leavitt:

Thank you a lot for the pains you and your brother-in-law have taken in getting the photographic material ready for me. Your own portrait is extremely important for the book, and I think a picture of Ayer is, too. It emphasizes a contact with an aspect of America which I wish to emphasize in the book as well, and it should appear in the book not only as a particular illustration of my own personal history, but as a symbolic record of my contact with the real New England of the small town in the horse and buggy days.

When I receive my proof sheets, I shall certainly send you a copy.

Sincerely yours,

Norbert Wiener

hb

June 10, 1952

Prof. S. Mandelbrojt
College de France
20, rue Leverria
Paris VI^e
France

Dear Mandelbrojt:

It is delightful to hear from you again. I had already heard from Delsarte, and have written the necessary letters to Rosenblueth, to Ignazio Chavez, and to Manuel Sandoval Vallarta. I am sure that Delsarte will be well taken care of.

I enjoyed my year in France very much, and I have made a great deal of progress on the application of the ideas which I expounded there to quantum theory. Margaret and I hope we shall not have to wait too many years before we revisit Paris and our friends there.

Sincerely yours,

Norbert Wiener

hb

June 10, 1952

Dr. Wade W. Oliver
Associate Director
The Rockefeller Foundation
49 West 49th Street
New York 20, New York

Dear Dr. Oliver:

I am writing to you on behalf of Dr. Jose Gonzalez-Fernandez of Argentina. He now holds a Rockefeller Grant under which he has been studying at M.I.T., but which will end at the beginning of September. He has an appointment to work during the coming academic year with Dr. John S. Gray in the Department of Physiology at Northwestern University. He hopes to secure sufficient money to enable him to continue his work in the United States from the beginning of September through the coming year.

Dr. Gonzalez-Fernandez has been working with me at M.I.T., and I hold the highest opinion of his work. I consider that to give him a chance to do further work in the United States will contribute not only to bettering scientific relations between the Americas, but will help develop a field of work which needs development in the United States itself.

Sincerely yours,

Norbert Wiener

hb
cc: Dr. G-F

June 10, 1952

Mr. D.A. Sholl
c/o Mr. W.B.J. Partridge
Representative Midland Bank Ltd., London
44 Wall Street
New York 5, New York

Dear Mr. Sholl:

I shall be on my farm on the 24th and 25th, and I shall be glad to see you. I am curiously awaiting our discussion.

I think probably the best thing that we can do to get you to Williamstown the evening of June 25 is to take you over to White River Junction or some other railroad station on the Connecticut River from which you can get a train to Greenfield and change for Williamstown. We shall look into the transportation matter and shall see to it that the connections are possible.

To arrive at our place in New Hampshire, take a train from the North Station in Boston, to either Mt. Whittier or to Meredith, New Hampshire. Let us know what train you are taking and we shall be there to meet you. Our address is South Tamworth, New Hampshire.

Sincerely yours,

Norbert Wiener

hb

[ans 6/15/52]

June 10, 1952

Professor Louis L. Silverman
Department of Mathematics
Dartmouth College
Hanover, New Hampshire

Dear Silverman:

It is good to hear from you after all this time. I saw your sister-in-law, Vashka, in Mexico when her husband and I were both attending the four hundredth anniversary of the founding of the University. I have also been in contact from time to time with Reba and her husband when I have visited my friend Shedlovsky at the Rockefeller Institute. Thus I have heard more or less indirectly how things are going with you.

I am passing the letter concerning Michael Zedek on to Professor Norman Levinson, the acting head of our department. I am suggesting that you correspond with Levinson in the matters of detail that may be important concerning Zedek.

I shall be up on my farm in New Hampshire in about a week. It is quite possible that Margaret and I may make a run over to Dartmouth, and if you are there I shall look you up.

Sincerely yours,

Norbert Wiener

hb
cc: Prof. Norman Levinson

*a student of Fekete's
at the Hebrew Univ. in Jerusalem.
wishes to come to America & is
in need of financial assistance.*

June 10, 1952

Mr. John L. Stewart
Lecture Series Committee
Dartmouth College Council on Student Organizations
Hanover, New Hampshire

Dear Mr. Stewart:

I hope that you will understand me when I refuse your invitation to talk at Dartmouth. The fact is that I am finding that I am faced with an "either-or" situation. My energies are sufficient for me either to do some new work or to give lectures to student groups and others interested in my field, but not both. I think you will agree with me that the most important thing is new work and not the giving of a public account of old work. I hope you will understand my situation, and the reluctance with which I must turn you down.

With many thanks,

Sincerely yours,

Norbert Wiener

hb

June 10, 1952

Mr. Ordway Tead
Conference on Science, Philosophy and Religion
3080 Broadway
New York 27, New York

My dear Mr. Tead:

Thank you for your invitation to attend the Conference in September. I am afraid I cannot come, for I must continue taking it easy through the summer and the fall. As I wrote to you earlier this spring, the past couple of years have left me quite worn out, and I must refuse reluctantly any invitation, however interesting, which might interrupt my recuperation and my acquisition of new forces for my new work.

With good wishes,

Sincerely yours,

Norbert Wiener

hb

June 11, 1952

Mr. Emory W. Morris, General Director
Kellogg Foundation
Battle Creek, Michigan

Dear Mr. Morris:

I am writing to you on behalf of Dr. Jose Gonzalez-Fernandez of Argentina. He now holds a Rockefeller Grant under which he has been studying at M.I.T., but which will end at the beginning of September. He has an appointment to work during the coming academic year with Dr. John S. Gray in the Department of Physiology at Northwestern University. He hopes to secure the money necessary to enable him to continue his work in the United States from the beginning of September through the coming year.

Dr. Gonzalez-Fernandez has been working with me at M.I.T., and I hold the highest opinion of his work. I consider that to give him a chance to do further work in the United States will contribute not only to bettering scientific relations between the Americas, but will help develop a field of work which needs development in the United States itself.

Sincerely yours,

Norbert Wiener

hb
cc: Dr. G-F

June 11, 1952

Damon Runyon Memorial Fund
Hotel Astor
Broadway and 44th Street
New York 19, New York

Gentlemen:

I am writing to you on behalf of Dr. Jose Gonzalez-Fernandez of Argentina. He now holds a Rockefeller Grant under which he has been studying at M.I.T., but which will end at the beginning of September. He has an appointment to work during the coming academic year with Dr. John S. Gray in the Department of Physiology at Northwestern University. He hopes to secure the money necessary to enable him to continue his work in the United States from the beginning of September through the coming year.

Dr. Gonzalez-Fernandez has been working with me at M.I.T., and I hold the highest opinion of his work. I consider that to give him a chance to do further work in the United States will contribute not only to bettering scientific relations between the Americas, but will help develop a field of work which needs development in the United States itself.

Sincerely yours,

Norbert Wiener

hb
cc: Dr. G-F

June 11, 1952

Dr. John S. Gray
Chairman, Department of Physiology
Northwestern University
Chicago 11, Illinois

My dear Dr. Gray:

I am writing to you on behalf of Dr. Jose Gonzalez-Fernandez of Argentina, who has been studying at M.I.T. during the past term. He is trying to secure additional funds to permit the continuation of his work in this country, and I wonder if some financial help for him can be secured from your Department from September on. If not, can you suggest any other source of funds?

I have the highest opinion of the work Dr. Gonzalez-Fernandez has done with me. I am willing to be of any help I can to him and to you in the researches you are doing concerning information theory, servo-mechanisms, and the problem of homeostasis.

Sincerely yours,

Norbert Wiener

hb
cc: Dr. G-F

June 11, 1952

Dr. Roderick Heffron, Medical Associate
The Commonwealth Fund
41 East 57th Street
New York 22, New York

Dear Dr. Heffron:

I am writing to you on behalf of Dr. Jose Gonzalez-Fernandez of Argentina. He now holds a Rockefeller Grant under which he has been studying at M.I.T., but which will end at the beginning of September. He has an appointment to work during the coming academic year with Dr. John S. Gray in the Department of Physiology at Northwestern University. He hopes to secure the money necessary to enable him to continue his work in the United States from the beginning of September through the coming year.

Dr. Gonzalez-Fernandez has been working with me at M.I.T., and I hold the highest opinion of his work. I consider that to give him a chance to do further work in the United States will contribute not only to bettering scientific relations between the Americas, but will help develop a field of work which needs development in the United States itself.

Sincerely yours,

Norbert Wiener

hb
cc: Dr. G-F

June 12, 1952

Dr. W. Ross Ashby
Department of Research
Barnwood House
Gloucester, England

My dear Dr. Ashby:

This letter is to introduce to you Mr. Bruce B. Barrow of the Massachusetts Institute of Technology. He is a candidate for the degree of Doctor of Science in electrical engineering, and is interested in the application of statistical communication to control systems.

Mr. Barrow will be in Delft next winter on a Fulbright Fellowship. I recommend him to the good graces of my friends abroad.

Sincerely yours,

Norbert Wiener

hb

June 12, 1952

Mr. Francis X. Kelly
Information Office, Headquarters
Aberdeen Proving Ground
Maryland

Dear Mr. Kelly:

Professor Wiener has asked me to thank you very much for the photographs you sent to him last week. They will exactly fill his needs, though he cannot tell yet which will be published with his book.

He especially appreciates your kindness in sending him your copy of "The Big Gun." I am returning it to you today.

Sincerely yours,

Mrs. George Baldwin
Secretary to Prof. Wiener

hb

June 12, 1952

Dr. Jan A. Schouten
Phillips Lamp Company
Hilversum
Holland

Dear Dr. Schouten:

This letter is to introduce to you Mr. Bruce B. Barrow of the Massachusetts Institute of Technology. He is a candidate for the degree of Doctor of Science in electrical engineering, and is interested in the application of statistical communication to control systems.

Mr. Barrow will be in Delft next winter on a Fulbright Fellowship. I recommend him to the good graces of my friends abroad.

Sincerely yours,

Norbert Wiener

hb

cc: Mr. Barrow

Copies to:

Dr. Grey Walter
Burden Neurological Institute
Stapleton nr. Bristol
England

Dr. W. Ross Ashby
Department of Research
Barnwood House
Gloucester
England

Prof. Dr. Balth. van der Pol
22, Chemin Krieg
Geneva
Switzerland

Dr. R. Vallee
2, rue Mabillon
Paris VI^e
France

June 12, 1952

Dr. Grey Walter
Burden Neurological Institute
Stapleton, nr. Bristol
England

Dear Dr. Walter:

This letter is to introduce to you Mr. Bruce B. Barrow of the Massachusetts Institute of Technology. He is a candidate for the degree of Doctor of Science in electrical engineering, and is interested in the application of statistical communication to control systems.

Mr. Barrow will be in Delft next winter on a Fulbright Fellowship. I recommend him to the good graces of my friends abroad.

Sincerely yours,

Norbert Wiener

hb

June 12, 1952

Dr. R. Vallee
2, rue Mabillon
Paris VI^e
France

Dear Dr. Vallee:

This letter is to introduce to you Mr. Bruce B. Barrow of the Massachusetts Institute of Technology. He is a candidate for the degree of Doctor of Science in electrical engineering, and is interested in the application of statistical communication to control systems.

Mr. Barrow is in Delft on a Fulbright Fellowship. I recommend him to the good graces of my friends abroad.

With kind regards,

Sincerely yours,

Norbert Wiener

hb

June 12, 1952

Prof. Dr. Balth. van der Pol
22, Chemin Krieg
Geneva
Switzerland

Dear Dr. van der Pol:

This letter is to introduce to you Mr. Bruce B. Barrow of the Massachusetts Institute of Technology. He is a candidate for the degree of Doctor of Science in electrical engineering, and is interested in the application of statistical communication to control systems.

Mr. Barrow is in Delft on a Fulbright Fellowship. I recommend him to the good graces of my friends abroad.

With best regards,

Sincerely yours,

Norbert Wiener

hb

June 12, 1952

Mr. Joseph Barnes
Simon and Schuster, Inc.
630 Fifth Avenue
New York 20, New York

My dear Mr. Barnes:

I have not complied with all of Mr. Simon's suggestions so far as I think I can and ought to until I receive more instructions. The book is complete and is being looked over for me by three friends. One is Mr. Walter Noyes, our family lawyer in Boston, who is looking it over from the point of view of all legal matters and as an arbiter in matters of good taste and good judgment including the heavy one of not publishing the book at all. I am pretty determined to publish the book, but I would like his confirmation, if he can give it, that I can do so without a violent and unjustified assault on the feelings of the family. I am confident that he will back me.

The second person to whom I am giving the book is Dr. Dana Farnsworth, head of the Medical Department of M.I.T. and a psychiatrist. I am asking him to look the book over for two matters: anything that concerns M.I.T.'s interest, and the validity of the book and my impulse to publish it from a psychiatrist's point of view. The third reader is Professor Harry Wolfson of Harvard. He is without any doubt the leading authority on Jewish studies in the United States. He was a close friend of my father and the recipient of many confidences from him that I believe nobody else received. I am submitting the book to him in order to insure accuracy in Judaica, and to check up with his impression of my father, both personally and scientifically. So far, I find that we are in substantially complete agreement.

I expect, then, that within a day or two after Mr. Simon's return, I shall have the manuscript on its way to him. I am quite prepared to do what further revision is necessary, but I am hopeful that this revision may be relatively small in amount. I have tried to meet Mr. Simon's criticisms on specific points and also on general issues, but there are some points in which there is a difference in my view. When this has been the case, I have so modified the text as to explain my point of view in such a way as to make it clear what

Mr. Barnes - 2

my reasons are for not conforming precisely to his requests.

As to the photographs, I have not in my possession a large number of photographs of myself in my youth, enough to illustrate the Ayer high school period as well as the Tufts, Harvard, and M.I.T. periods. I may have to wait a few weeks before I can deliver these. I am hoping that such pictures as those of Bertrand Russell and illustrative photographs of Cambridge and Göttingen can be furnished from your end if necessary. I have pictures of my parents also. I am sure that the amount of photographic material which I have found is greatly in excess of what you can or wish to use. If, after you have selected those that seem appropriate, there are still other things which appear necessary, I shall be glad to try to dig them up.

I shall leave next Wednesday, June 18th, for my farm in New Hampshire. The mailing address there is South Tamworth, N.H., and the telephone exchange is Center Sandwich, N.H. If and when you need me during the summer, please let me know as early as possible so that I can either come down by plane or drive down to New York with my wife.

If it should be desirable for anyone from your office to look me up in person during the summer, my house is off Route 25 (New Hampshire), about fifteen miles from Meredith in the direction of Conway. The nearest available railway stations are Mt. Whittier and Meredith, both of which can be reached from the North Station in Boston, and the latter, I believe, can be reached directly from New York. The nearest airport (open for the summer season) is at Laconia, N.H. If it should be necessary for anyone to make use of these means of transportation, please call me up and I shall be on hand.

Sincerely yours,

Norbert Wiener

hb

- Forward. line 7. Name of typist in Mexico City.
p. 2, line 1. After Instituto Nacional de Cardiologia,
add "in Mexico City..."
Add an acknowledgement of photographs when it's ready.
- ✓ p. 139 Add Insert about Spinoza and Leibnitz.
- ✓ p. 142 line 13. Don't you mean "...through the compliance
of the janitor..." ?
- ✓ p. 159 line 5. Insert about Lowell should follow "...academic
pageantry..."
- ✓ p. 164 line 4. Houghton's first name.
- ✓ p. 227 line 10, up from the bottom. You're a little hard on
Veblen. You sound as tho his bias has always been
and is still reflected in the Princeton Math Dept.
and in the Institute, and this isn't really true,
is it?
Cut it all out after your gracious sentence, "He is
without doubt one of the fathers of American mathe-
matics."
- ✓ p. 240 bottom line. Is Proceedings of the Cambridge Philoso-
phical Society the title of the publication? If so,
underline it.
- ✓ p. 246 line 3 up from bottom. What do you mean when you
refer to "Russell's Russellianisms?" Describe them
briefly.
- ✓ p. 263-4 last para., p. 263. Are you sure you want to include
this?
- p. 293-4 About your treatment of Osgood. Your antipathy is
crystal clear, but you leave your reader wondering,
"Why?" You should either cut out a lot of this, or
be more frank.
- p. 305 Para. 2, line 5. This should read: "...operation.
I followed out his suggestion in a somewhat modified
form and published a paper in my name only. I think
I gave credit to Dr. Sheffer in my paper, but I know
that I did not do so adequately..."
As it now stands, it's obscure.
- p. 241-2 Last para., p. 241. Does this repeat what you said
at the top of p. 240?

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I followed out his suggestion in a somewhat modified
form and published a paper in my name only. I think
I gave credit to Dr. Sheffer in my paper, but I know
that I did not do so adequately..."
As it now stands, it's obscure.
- p. 241-2 Last para., p. 241. Does this repeat what you said
at the top of p. 240?

HENRY L. BOCKUS, M. D.
THOMAS A. JOHNSON, M. D.
JAMES L. A. ROTH, M. D.
250 SOUTH EIGHTEENTH STREET
PHILADELPHIA 3, PA.

Oct. 7,
Dinner 6.30
Lecture 8.30

June 13, 1952

Professor Norbert Wiener
Massachusetts Institute of Technology
Boston, Mass.

Dear Dr. Wiener:

It is necessary for the College of Physicians to prepare your citation for reception of the Alvarenga Prize based on your contributions to medicine.

The citation for Dr. George Thorn last year follows:

"On July 14, 1951, the College of Physicians of Philadelphia awarded the Alvarenga Prize for 1951 to George W. Thorn, M.D., Hersey Professor of the Theory and Practice of Physic, Harvard University Medical School, for his outstanding contributions to our knowledge of the role of adrenal cortex in health and disease."

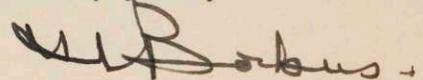
How would you like the last line filled out in your case: ". . . for his outstanding contributions to our knowledge of - ?"

Shall we just insert the word Homeostasis, or would you like to amplify it a little bit for the citation?

I should appreciate awfully much receiving an answer within the next few days.

With best wishes,

Sincerely yours,



H.L. Bockus, M.D.

HLB;jv

[ans 7/15/52]

THE COMMONWEALTH FUND

1 EAST SEVENTY-FIFTH STREET

NEW YORK 21, N. Y.

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ROBERT JORDAN
HOSPITAL ASSOCIATE
HARRY E. HANDLEY, M. D.
CAROLINA R. RANDOLPH
PUBLIC HEALTH ASSOCIATES

June 13, 1952

Dear Dr. Wiener:

This is to acknowledge receipt of your letter of June eleventh addressed to Dr. Roderick Heffron. At the present time Dr. Heffron is away from the office on a field trip but on his return your letter will be given his careful consideration.

Sincerely yours,

Francis D. Marzias

Secy. to Roderick Heffron, M.D.

Dr. Norbert Wiener
Department of Mathematics
Massachusetts Inst. of Technology
Cambridge 39, Massachusetts



HOTEL GEORGE WASHINGTON

23 LEXINGTON AVE. AT 23RD STREET

NEW YORK 10, N.Y.

GRAMERCY 5-1920

June 15 1952.

Dear Professor Wiener,

I very much look forward to
coming to your farm on the morning of
June 24 (Tuesday) and shall telegraph the
place when of my arrival to the farm.

I am rushing about during the
next few days but I shall end up
on Friday

c/o Mrs Florence Stahl.
5 Dunstable Road
Cambridge 38
Mass.

With kindest regards,

Yours sincerely,
Donald Stahl

FOR RESERVATIONS AT ANY CARTER HOTEL • INQUIRE AT FRONT DESK

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BOSTON
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NEW YORK
HOTEL GOVERNOR CLINTON
NEW YORK
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NEW HAVEN
HOTEL GARDE
NEW YORK
HOTEL DIXIE

Phi Delta Epsilon Fraternity

JEFFERSON MEDICAL COLLEGE

913 SPRUCE STREET

PHILADELPHIA 7, PA.

MU CHAPTER

June 16, 1952

Dr. Norbert Wiener
Mass. Institute of Technology
Cambridge, Mass.

Dear Dr. Wiener:

To introduce myself, I am Martin Shickman, a junior student at the Jefferson Medical College, Philadelphia, Pennsylvania.

Each year it is the privilege of Mu Chapter, Phi Delta Epsilon Medical Fraternity to sponsor a lectureship for the benefit of the students and faculty of the Jefferson Medical College and for interested persons in the Philadelphia area. Mu Chapter has been a pioneer in this undertaking in that we were the first fraternity to sponsor lectureships at Jefferson. In our previous attempts to bring noted scientists to our college we have had the good fortune to have men like Dr. Levin and Dr. Means of Harvard, Dr. Goldblatt of the Cedars of Lebanon, Dr. Blalock of Johns Hopkins and Dr. Selye of Montreal accept our invitations.

We would consider it an honor to sponsor you as our lecturer during the 1952-1953 academic year. Many of us at medical school have become increasingly aware of your work in cybernetics and would deem it a tremendous service to us if you could discuss its physiological implications and its possible applications to medicine.

In the past we have held our lectureships on an evening during the latter half of February or the first half of March. For February or March of 1953, any week-day evening, exclusive of Fridays and the evenings of February 21 and 22 would be suitable. I leave the date and subject details for you to choose, and if the dates suggested are not acceptable perhaps some other arrangements could be made.

We shall be glad to pay for your round-trip transportation and for your hotel accommodations in Philadelphia. There is an honorarium of fifty dollars for the lecture.

With full cognizance of your many activities, I do hope that you will find the time to come down and address us. Our students, alumni, and faculty have evidenced delight in our suggestion of you as a speaker, and I know that all of us will make every effort to insure a most pleasant stay for you while in Philadelphia. Awaiting your reply with keen anticipation, I remain

Very truly yours,

Martin Shickman

Martin Shickman
Chairman, Lectureship Committee

333 East Albanus Street
Philadelphia 20, Pa.

[enc 7/16/52]

N.V. Philips' Telecommunicatie Industrie

P.O. Box 32, Hilversum — Teleph.: Hilversum 3551 — Telegr.: Signal, Hilversum



HILVERSUM - the Netherlands

P.R. Bagley, Esq.,
Massachusetts Institute of Technology,
Cambridge 39,
MASSACHUSETTS.
U.S.A.

Our dept.	Our ref.	Your dept.	Your ref.	HILVERSUM
	Sch/CH.			June 16, 1952.

Dear Mr. Bagley,

I am awfully sorry never to have answered your two letters on a new telephone switching system which was reported by Prof. Wiener to have been developed in our firm and which was also published in his book "The Human Use of Human Beings". Prof. Wiener has credited us with far more than we ever achieved. The matter arose from a private talk between Prof. Wiener and myself, where I told him something on laboratory investigations with respect to certain switching elements which showed a memory of previous action.

It is clear that once such elements would exist and would become available as units of a switching system, features like the ones described in Prof. Wiener's book would be the very ones which could be obtained. We have, however, not by far achieved such results yet. Therefore, as I said in the beginning, Prof. Wiener has credited us with much more than we did achieve, although of course the ultimate object is in no way in contradiction with his statements.

Sincerely yours,

PHILIPS TELECOMMUNICATION INDUSTRIES:

A handwritten signature in dark ink, reading "J.F. Schouten".

Dr. J.F. Schouten.



SIMON AND SCHUSTER, INC.
publishers

ROCKEFELLER CENTER, 630 Fifth Avenue, New York 20 • CABLE ADDRESS *Essandess* • TELEPHONE Circle 5-6400

June 17, 1952

Dr. Norbert Wiener
South Tamworth, New Hampshire

Dear Dr. Wiener:

Your letter of June 12th gives us such a complete progress report on the book that there isn't much to say except thank you. We are all looking forward to seeing the manuscript again and I am glad that it will be ready so close to the date of Henry Simon's return from Europe. We will not be slow in letting you know what are our reactions.

Thank you also for your instructions about how we can bother you during the summer if we have to. I very much hope we won't have to and that you will have the real vacation that you deserve.

Sincerely yours,

Joseph Barnes

JB:jgc

NEWS

from THE INNER SANCTUM of
SIMON AND SCHUSTER
publishers · 630 FIFTH AVENUE
ROCKEFELLER CENTER, NEW YORK 20

SWORD AND SWASTIKA

With Western Germany soon to embark on a vigorous program of rearmament, historians are re-examining the struggle between the German generals and the Nazis for control of the Third Reich. This struggle is chronicled by Telford Taylor, chief prosecutor in the Nuremberg Trials, in SWORD AND SWASTIKA, which Simon and Schuster will publish in October, 1952. The book starts with the end of World War I and traces through the beginning of World War II the alternating phases of conflict and collaboration between the professional soldiers of the Prussian military tradition and the opportunists, charlatans and thugs who came into power with Hitler.

SONGS THAT NEVER DIE

The FIRESIDE BOOK OF FAVORITE AMERICAN SONGS, edited by Margaret Bradford Boni (who also was the editor of Simon and Schuster's bestselling FIRESIDE BOOK OF FOLK SONGS) will be published in October, 1952 by S&S. The book contains Norman Lloyd's voice, piano and guitar arrangements for 131 American songs, from the days of the earliest settlers to the turn of the century. Almost every type of melody is included: hymns, folk songs, martial tunes, and sentimental ballads. Each page contains color pictures by Aurelius Battaglia. The introduction was written by the late Carl Van Doren.

STRANGERS AND AFRAID

Simon and Schuster will publish one work of fiction in July: STRANGERS AND AFRAID, a first novel by Thomas Sterling. It tells of two men, one a famous worker for minority groups -- the other a young Negro fugitive from a prison farm, hiding in New York. The two protagonists' stories are told in alternating chapters, until their final meeting and its ironic, and unexpected, result.

A DASTARD'S HANDBOOK

Shepard Mead, an advertising executive, has written one of the most provocatively titled books of all time for publication by Simon and Schuster in August. It's called HOW TO SUCCEED IN BUSINESS WITHOUT REALLY TRYING: The Dastard's Handbook to Fame and Fortune. Mr. Mead's tongue-in-cheek theory is that the only qualification needed to Get Ahead in the world is "a distaste for work and a healthy lack of respect for brains, ability, and ordinary decency." His book offers step-by-step instruction in getting a raise, credit-grabbing, apple-polishing and the fine art of stabbing the right backs. It will have appropriate illustrations by Claude.

PEOPLE IN BUNCHES

PEOPLE IN BUNCHES, a new collection of Abner Dean's social satire cartoons -- his first in three years -- will be brought out in October, 1952 by Simon and Schuster. Dean's victims in this one are people at parties, his feeling being that people at parties are unlike people anywhere else. PEOPLE IN BUNCHES is different from Dean's earlier books -- IT'S A LONG WAY TO HEAVEN, WHAT AM I DOING HERE? and AND ON THE EIGHTH DAY: all of the characters in it are wearing clothes.

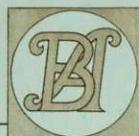
MECHANICS POPULAR AT S&S

Following up the success last year of 50 YEARS OF POPULAR MECHANICS, Simon and Schuster has scheduled two more "Popular Mechanics" books for the Fall, 1952 season, both edited by the magazine's staff, under the supervision of Edward L. Throm. Due in September is THE BOY MECHANIC, a completely revised and enlarged edition of what has been for over 50 years one of the most popular how-to-build-it books for boys of all ages. The following month, S&S will issue POPULAR MECHANICS' PICTURE HISTORY OF AMERICAN TRANSPORTATION, covering the period between 1620 and the present, with a brief glimpse at the transportation of the future as an Extra Added Attraction.

A NOVEL ABOUT INFIDELITY

Stanley Kauffman's THE TIGHTROPE, a novel about infidelity, which treats the subject the way Charles Jackson handled the problem of alcoholism in THE LOST WEEKEND, will be published by Simon and Schuster in September. It is the story of a man who loves his wife, but is incapable of remaining faithful. He is as much in the grip of this weakness as is an alcoholic. Since he is also a man of intelligence and moral perception (if not rigor) the result is a life on a tightrope of inner struggle and outward danger. Mr. Kauffman is the author of three earlier novels and is now associate editor at Bantam Books.

#



Baird Associates, Inc.
ETTER ANALYSIS

UNIVERSITY 4-0101

WALTER S. BAIRD, PRES.
JOHN STERNER, VICE PRES.
FRANCIS CHAMBERLAIN, TREAS.

PRECISION INSTRUMENTS FOR RESEARCH AND CONTROL

THIRTY-THREE UNIVERSITY ROAD
Cambridge 38, Massachusetts, U. S. A.

June 18, 1952

Professor Norbert Wiener
Mathematics Department
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

Dear Professor Wiener:

Members of the Program Committee for the Fall Meeting of the Optical Society of America to be held in Boston on October 9, 10 and 11 have indicated your willingness to contribute a paper. As chairman of the committee I am trying to organize this meeting in such a way that the number of loose ends at the time of the meeting will be as few as possible.

You may possibly have heard that the theme song of the meeting is to be the inter-relation of optics to other sciences and vice versa. We are planning to have a program consisting largely of invited contributed papers.

The program is divided into four or five parts with the Thursday a.m. session being on Optics and the Basic Sciences, Mathematics and Physics; the Thursday p.m. section, a Symposium on Contributions of Spectroscopy. The Friday a.m. section is to be on, again, Optics and the Basic Sciences, Chemistry and Biology. The Friday p.m. arrangements as they stand now are for plant visitations in the Greater Boston Area to be followed by a cocktail party before the banquet. Professor Harlow Shapley will be the dinner speaker. The Saturday a.m. session will be again on Optics and the Basic Sciences, Optical Phenomena, with a paper by Dr. Ira Bowen, the Ives Medallist, and some papers on optical phenomena of the upper atmosphere including outer space. The Saturday p.m. session is reserved for contributed papers on miscellaneous topics.

You can see that we are covering a fair amount of ground.

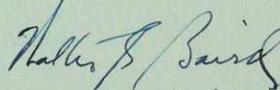
Dr. Wallace Brode, the editor of our Journal, will hold one issue of the Journal for the papers of this meeting provided we can turn over to him all of the manuscripts at one time. This issue would make a source to which many will go for the latest observations on

[ans 7/16/52]

the particular interest of each of the contributors. In addition, if it turns out to be feasible, we hope to be able to add to this issue the discussions which will come at the end of each of the papers and the author's reply to the discussion.

The date after which abstracts cannot be included in the printed program is August 18. However, the Program Committee is endeavoring to make the best possible arrangement of sequence, etc., and to this end it would be helpful to us to have your abstract in hand as soon as possible. It will facilitate matters somewhat if you will send your abstract on the enclosed form to the Secretary of the Society (whose name and address appear on the left-hand margin of the blank) with a carbon copy to me.

Sincerely,



Walter S. Baird
Chairman
Program Committee

WSB/kvs
Enclosure

P.S. Because of the nature of this program we are allotting 30 minutes for your paper.

W.S.B.

CLEVELAND COLLEGE
WESTERN RESERVE UNIVERSITY
CLEVELAND 14, OHIO

HERBERT C. HUNSAKER
DEAN

June 18, 1952

Professor Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Professor Wiener:

We invite you to speak on our 1952-53 Heritage of Modern Man series on Wednesday, December 10, 1952 at 8 p.m.

The subject we propose is "The Electronic Brain, Harbinger of Social-Industrial Revolution." We propose this subject because of its relation to our 1952-53 theme, "New Dimensions for Mankind." We are prepared to offer you an honorarium of \$150 and all expenses. The 1952-53 series will be the sixth annual Heritage series at this institution. This is our usual honorarium, but if not satisfactory, I hope you will let me know. I enclose the announcement of last year's series and the tentative program for the coming year.

Perhaps I should spell out what the committee and I mean by the title tentatively assigned to you. I shall try to do this by questions in which we feel our audience of approximately 1,000 persons will be interested.

What are some simple illustrations of logical and mathematical problems that can be worked by computing machines? Can all problems worth solving be reduced by analysis to choices answerable on the minus 1, zero, plus 1 basis? What are the differences between mechanical and electronic computers? Do some computers use both mechanical and electronic devices? What are some of the analogies between the computing machines and the human brain and nervous system? Are there some problems in logic and mathematics that can only be practicably worked out on computers? Have they been used for wartime logistical computations? Government budgets? The census? Has a computer been built that can operate, entirely through mechanical and electronic devices, an assembly line? Could one be built? What in your opinion would be its significance? What operations will be left to man himself? Matters of inquiry? Matters of judgment? Creative efforts in writing and the arts? Or can these human abilities, too, be built into machines?

*Steps for
July 21/52*

I am not attempting here to ask all the questions we believe you will take up, or to put them in the right order, but the lines suggested should be enough to show what we mean.

If you are able to accept our invitation, we shall hope you will save the dinner hour before the lecture, which will be at 8 p.m., to have supper with a few members of our faculty and administration. In the event that Wednesday, December 10th is not satisfactory for you, it is quite possible that we may be able to shift this to January or February.

Your address, if you permit it, will be recorded and broadcast at a later time by one of the major radio stations in Cleveland, then rebroadcast over the Board of Education station for the schools.

Your acceptance will indeed insure the success of our program.

Very sincerely yours,

*Herbert C. Hunsaker*_B

Herbert C. Hunsaker
Dean

TENTATIVE PROGRAM

HERITAGE OF MODERN MAN LECTURE SERIES

Theme for 1952 - 53: New Dimensions for Mankind

- Oct. 15 1. The Conquest of Nearby Space
Willy Ley, rocket research scientist and writer
- Nov. 12 2. The Meaning of Civilization
Sir Richard W. Livingstone
Former Vice-Chancellor of Oxford University
Visiting Professor at Massachusetts Institute of Technology
- Dec. 10 3. The Electronic Brain and the Next Industrial Revolution
Norbert Wiener
Massachusetts Institute of Technology
- Jan. 14 4. The Unused Resources of the Human Mind
Howard Y. McClusky, President, The Adult Education Association
of the United States of America
Professor of Education, University of Michigan
- Feb. 11 5. Is the Human Race Out-Running the Resources of the World?
Mordecai Ezekiel
Food and Agricultural Organization, United Nations
- Mar. 11 6. New Frontiers in Human Relations
Stuart Chase, Economist and writer
- April 15 7. The Lively Arts
Gilbert Seldes, critic and writer
- May 13 8. Keys to Peace in the World Community
Hans Simons, President, New School for Social Research

NATIONAL SCIENCE FOUNDATION
WASHINGTON 25, D. C.

June 18, 1952

Professor Norbert Wiener
Department of Mathematics
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

Dear Professor Wiener:

We are enclosing another proposal, P-328, submitted by Professor W. F. Eberlein of the University of Wisconsin, for your evaluation.

Your help in making these evaluations is very much appreciated.

Sincerely yours,

Raymond J. Seeger

Raymond J. Seeger
Division of Mathematical,
Physical and Engineering
Sciences

Answered

May 26, 1952

From: W. F. Eberlein, University of Wisconsin, Madison 6, Wisconsin

To: National Science Foundation, 2114 California Street, N.W.,
Washington 25, D. C.

Attention: Dr. Raymond J. Seeger

Subject: Research Proposal in Mathematics

1. Proposal.

It is proposed that the National Science Foundation grant a sum of \$4961.10 to support research in "Generalized Harmonic Analysis" to be carried on at the University of Wisconsin, during the period 1 September 1952 to 1 September 1953. The research will be carried out by William Frederick Eberlein, Assistant Professor of Mathematics, who will devote one-half time to the project during the 1952-53 academic year and full time during the 1953 Summer Session.

2. Description of Proposed Research.

Although the generalized theory of Wiener and Beurling assigns to every bounded measurable function on a locally compact Abelian group a non-empty set of characters termed the spectrum of the function, the converse problem of spectral synthesis -- that of reproducing the function from its spectrum -- has admitted so far only negative general results and isolated partial successes. Thus even in the weak* topology it has been shown by Schwartz that spectral synthesis is not possible for general functions on R^n ($n \geq 3$), while a satisfactory synthesis for special functions is available only for almost periodic functions (Bohr - von Neumann) and positive definite functions (Herglotz - Bochner - Weil).

The investigations of W. F. Eberlein in ergodic theory suggest that functions admitting a satisfactory special synthesis may have certain generalized almost periodic properties. Thus the spectra of Eberlein's weak almost periodic functions can be decomposed into point spectra plus continuous spectra, and the role of the point spectra is settled. The continuous spectra of such functions will be investigated. It is hoped that this approach will shed light upon the general spectral synthesis problem.

3. Personnel.

W. F. Eberlein, the investigator, was born at Shawano, Wisconsin on June 25, 1917.

Education and Experience

- Harvard College 1934-38 (A.B. 1938)
- University of Wisconsin 1938-39 (M.A. 1939)
- Harvard University 1939-41 (Ph.D. 1942)
- Propeller Research Analyst at Buships (Washington, D.C.) 1941-42
- Officer, USNR, November 1942 - January 1946
- Instructor, Purdue University, January - June 1946
- Instructor, University of Michigan, June 1946 - August 1947
- Member, Institute for Advanced Study, 1947-48
- Assistant Professor of Mathematics at University of Wisconsin 1948 ..

Bibliography.

A Note on the Spectral Theorem, Bull. Amer. Math. Soc. vol. 52 (1946), pp. 328-331. Closure, Convexity, and Linearity in Banach Spaces, Annals of Math. vol. 47 (1946), pp. 688-703. Weak Compactness in Banach Spaces I, Proc. Nat. Acad. Sci. vol. 33 (1947), pp. 51-53. Abstract Ergodic Theorems, Proc. Nat. Acad. Sci. vol. 34 (1948), pp. 43-47. Characteristic Values of Spheroidal Wave Functions, Physical Review vol. 74 (1948), pp. 190-191. Abstract Ergodic Theorems and Weak Almost Periodic Functions, Trans. Amer. Math. Soc. vol. 67 (1949), pp. 217-240. Banach-Hausdorff Limits, Proc. Amer. Math. Soc. vol. 1 (1950), pp. 662-665. Spectral Theory and Harmonic Analysis, Proceedings of the Symposium on Spectral Theory and Differential Problems at Stillwater, Oklahoma (pub. 1951), pp. 209-219.

Professional honors Referred to in Encyclopedia Britannica 1948 (Events of 1947) in article on Mathematics. Member, Ergodic Theory Panel, International Congress of Mathematicians, Cambridge, Massachusetts 1950.

4. Facilities and Equipment.

No equipment or facilities are required other than the ordinary office and library facilities of the University.

5. Budget.

The budget consists of the salary of the investigator, estimated travel expenses to professional meetings, and university overhead. (Professor Eberlein's estimated salary for the 1952-53 academic year is \$6020. Normal teaching load -- 11 hours.)

Salary of W. F. Eberlein

1952-53 academic year (1/2 time)	\$3010.00
1953 summer session (full time, 20% of academic year salary)	1204.00
	<hr/> 4214.00
Travel Expenses	100.00
Total Salary and Travel Expenses	<hr/> \$4314.00
University overhead (15%)	<hr/> 647.10
Budget total	<hr/> \$4961.10

William F. Eberlein

APPROVED:

C. C. MacDuffee
Chairman, Department of Mathematics

M. H. Ingraham
Dean of the College of Letters and Science

A. W. Peterson
Vice President of Business and Finance

DARTMOUTH COLLEGE
DEPARTMENT OF MATHEMATICS AND ASTRONOMY
HANOVER, N. H.

LOUIS L. SILVERMAN
PROFESSOR OF MATHEMATICS
ON THE CHANDLER FOUNDATION

June 19, 1952

Dear Wiener:

At your suggestion I am writing
to Professor Levinson regarding the appli-
cation of Michael Zedek of the Hebrew
University for admission to MIT.

Both Basheva and Reba have spoken
to me about meeting you, the former in
Mexico, the latter in New York.

You mention the possibility of stopping
off here on your way to your summer home.
Do come in to see us; it will be a pleasure
to see you again.

Simon and I are taking a second trip
to Israel this summer. It is a wonderful country;
I should think you would want to go there
some time. You would be received with great honor.
Sincerely
Louis Silverman

From the desk of—
ERWIN H. SCHELL

6/20/52

Dear Herbert

Here is a man that wants
to talk with you: - at your
convenience. Would you be
willing to suggest a time
to him; directly?

Erwin H. Schell

**GENERAL  ELECTRIC
COMPANY**

**MANAGEMENT CONSULTATION
SERVICES DIVISION**

570 LEXINGTON AVENUE, NEW YORK 22, NEW YORK • TELEPHONE PLAZA 5-1311

Schenectady, N.Y., June 17, 1952

Mr. Erwin H. Schell
Massachusetts Institute of Technology
CAMBRIDGE, MASS.

Dear Mr. Schell:

Please recall our telephone conversation of last week with respect to Cybernetics and related subjects. As I indicated to you at that time, I have been charged with the task of preparing a report that will outline as far as possible the implications and possibilities of these developments within our Company.

Up to this point, I have spent some two months reading and visiting with people in educational and industrial institutions as the extent of my knowledge has indicated. I have purposely avoided a visit to M.I.T. until I had acquired enough background to carry on an intelligent speculative discussion of the subject.

I believe that I have now formed a sufficiently firm opinion of what Cybernetics might mean in a Company such as ours to want to come back to home base, so to speak, and make a check. As an individual with a background in "discreet body" industry, I have been most impressed with potentialities of complete thinking through that seems to underlie Cybernetics. This is in sharp contrast with the partial think-through which is so typical in industry today, where reliance is then placed on people with varying degrees of knowledge to correct for the unforeseen factors as they occur, be it in the entire operation or in a single isolated process.

In industry, there seems to be many tight little systems, now hidden by thinking of parts instead of wholes, that could be developed in this manner and made feasible for at least partial automation, or perhaps more important, be relieved thereby of the fuss, fury, and unnecessary dull routine that many people must endure as a consequence of incomplete organization. Many of these areas are sufficiently static to provide the essentially constant conditions needed to establish the little universe required.

To my mind, this may be the bedrock of Cybernetics as applied to industry, and the automatic machines, where adaptable, may then be either by-products of or tools made useful by the process of complete and rigorous thinking. It is again the process of seeking out the principles, by all means available, to reestablish simplicity in areas of increasing complexity.

As I reread Dr. Wiener's books, for example, I now seem to find this thought lurking on most every page. I would, therefore, like to talk this matter through with Dr. Wiener and others you might suggest, to see if these

concepts are fundamentally right.

In keeping with this general train of thought, it also seems to me that Operations Research is one specialized area in this broader concept. There are indications of this type of activity being gradually directed into the industrial field. So far as I have been able to determine, these efforts are largely on an exploratory basis - the mathematician searching for a client and the client unaware of existing potentialities. My concern here is to discover examples of work done in order to stimulate interest in our Company that might result ultimately in bringing a client and the mathematicians together. While in Cambridge, I would also like to spend some time in a discussion of things accomplished in this field.

I appreciate your graciousness in acting as a "port of entry" for me and I shall eagerly await an indication of when it will be convenient to visit at M.I.T.

Very truly yours,

M. L. Hurmi

ML Hurmi:LG
1 River Road
Room 649, Bldg.2
Schenectady 5, N.Y.

DEPARTMENT OF RESEARCH

BARNWOOD HOUSE,
GLOUCESTER

Glos. 66207.

Your ref.:
Our ref.:

Date 23rd June, 1952.

Dear Prof. Wiener,

In July of next year, ('53) we shall be holding, in this laboratory, a symposium on Cybernetics in its relation to psychiatry, so I am writing to ask, in good time, whether there is any possibility of your joining us, and perhaps contributing to the discussion. British psychiatry is keenly interested in the subject, but has so far had little opportunity of getting to know anything about it. The meeting here will provide an opportunity for the introduction.

England is likely to have many American visitors at about that time, following the Coronation, but I would be very pleased to attend to all questions of accommodation.

With best wishes,

Yours sincerely,

W. Ross Ashby

Prof. Norbert Wiener,
Dept. of Mathematics,
Massachusetts Institute of Technology
Cambridge,
Massachusetts, U.S.A.

[ans. 6-30-52]

THE ENCYCLOPEDIA AMERICANA

PUBLISHED BY
AMERICANA CORPORATION
2 WEST 45TH STREET
NEW YORK 19, NEW YORK

OFFICE OF THE EDITOR

June 23, 1952

Professor Norbert Wiener
Department of Mathematics
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

Dear Professor Wiener:

Enclosed herewith is the only photograph of the
Lyon Building we have been able to obtain. We hope that
this will suite your purpose.

We have written to Albany for a photograph of
the library and as soon as it is received we will forward
it to you.

With kind regards,

Sincerely yours,

Lavinia Dudley
Lavinia Dudley

LPD/arc
Enclosure

Jim Saliz

THE ROCKEFELLER FOUNDATION

49 WEST 49th STREET, NEW YORK 20

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CABLE ADDRESS:
ROCKFOUND, NEW YORK

June 23, 1952

Dear Prof. Wiener:

This is to acknowledge the receipt of your letter of June 10 in which you request a second year of fellowship for Dr. Jose Gonzalez-Fernandez in order that he may spend the coming academic year with Dr. Gray at Northwestern University. I am sorry to have to tell you that it is impossible for us to accede to this request, and I have so informed Dr. Gonzalez-Fernandez.

I regret having to write you in this disappointing fashion, and I hope that he succeeds in finding other ways and means for obtaining the further training which he desires.

Sincerely yours,

Wade Oliver.

Wade W. Oliver, M.D.

Prof. Norbert Wiener
Department of Mathematics
Mass. Institute of Technology
Cambridge 39, Massachusetts

WO:MJR

41. a1

MEDICAL INFORMATION BUREAU
THE NEW YORK ACADEMY OF MEDICINE
2 EAST 103 STREET, NEW YORK 29, N. Y.

TELEPHONE TRAFALGAR 6-8200

IAGO GALDSTON, M.D., Secretary

June 24th, 1952

Dear Dr. Wiener:

This is to advise you that the address which you so kindly contributed for the Academy's FM Programme, "For Doctors Only", has been scheduled for broadcast on Thursday evening, August 28th, 1952 over Station WNYC-FM 93.9 megs.

May I once again express to you our very cordial thanks for your good help.

Sincerely yours,

Galdston

Iago Galdston, M.D.

Salutations - it would be nice to
see you. Best of luck

[ans 7/15/52]



SIMON AND SCHUSTER, INC.

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ROCKEFELLER CENTER, 630 Fifth Avenue, New York 20 • TELEPHONE Circle 5-6400

June 24, 1952

Dear Dr. Wiener:

I have just returned from Europe and have today received the revised manuscript together with a note about the forthcoming pictures.

The accumulated mail and other work has me, of course, snowed under at the moment, and it will be a little while before I can give your manuscript the careful attention I want to bestow on it. I am looking forward to this re-reading and shall endeavor to get at it as soon as possible.

Please give my most cordial greetings to Mrs. Wiener.

Sincerely yours,

Henry G. Simon

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

hws:lf

P.S. The pictures have just arrived.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE 39, MASSACHUSETTS

Office: Photographic Service
Rm 3-017

June 24, 1952

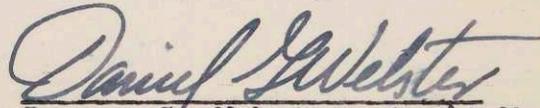
Professor Norbert Wiener
South Tamworth, N. H.

Dear Professor Wiener:

In complying with your request to obtain various photographs at M.I.T., Harvard and Tufts, we have completed your request with the exception of one photograph of Professor Charles St. Clair Wade, and this will have to wait the return of Miss Van Auken of Tufts who is on vacation until sometime in July. Some of these photographs came to us unidentified and I assume you will recognize them.

An invoice for the amount of \$26.55 will follow to cover costs and mailing.

Very truly yours,



Daniel G. Webster, Ass't Mgr.
M.I.T. Photographic Service

DGW:c
encl: 13 photographs
4 negatives

pd.

June 26, 1952

M. L. Hurni
1 River Road
Room 649, Bldg. 2
Schenectady 5, N.Y.

Dear Mr. Hurni:

I have your letter to Professor Schell
which he has referred to Professor Wiener.

Professor Wiener has gone to New
Hampshire for the summer and I doubt whether
he will be back in Cambridge before September.
I shall forward your letter to him but I
don't know how much time he has for corres-
pondence and I wanted you to know that there
may be some delay before you hear from him.

Very sincerely yours,

Ruth S. Goodwin
Secretary

cc Prof. Schell

//////
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE 39, MASS.

South Tamworth, N.H.

DEPARTMENT OF MATHEMATICS

June 26, 1952

Mr. Henry Simon
c/o Simon and Schuster.

My dear Mr. Simon:

By now you will have had a chance to look over in a preliminary manner the latest revision of the AUTOBIOGRAPHY, together with the photographs. do not be alarmed by the excessive number of the photographs. They merely represent material for your selections, I am forwarding you under separate cover a batch of photographs from MIT, Harvard, and Tufts, labelled on the back, together with some negatives. There are still missing from the material which I should like you to have at your disposal a photograph of Professor Wade of Tufts, which I shall get later, and material from Cambridge and Goettingen, which you may help me to put my hands on. Here I should particularly like a picture of Bertrand Russell, if you can get permission to use it. You should also clear all college pictures through the respective colleges.

I am prepared to do one more thorough revision through the mails. After that, I think we can do a more satisfactory job if we get together for a day or two, either in New York or here, and fight the last details out together. While we could put you up, you would probably prefer the independence and relative luxury of a good country inn. There is one such which we can recommend at Moultonborough, about five miles from here, it is called THE COUNTRY FARE.

Hoping you have enjoyed your trip, I remain:

Sincerely yours,

Norbert Wiener

THE UNIVERSITY OF WISCONSIN
MADISON 6

DEPARTMENT OF MATHEMATICS
306 NORTH HALL

June 27, 1952

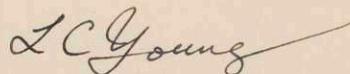
Professor Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Wiener:

A former student from here, name Donoghue, at present in the Physics Department at Johns Hopkins, tells me that he is looking for a post enabling him to work with you. If there is any chance of this, I would like to recommend him very strongly. He is just the type you would enjoy having with you. He is full of ideas, very quick to enter in a discussion, very quick to appreciate ideas of others and to see some of their implications. Sometimes his unusual imagination leads him astray, but he has the makings of a really good man and it would certainly do him a world of good to be in contact with you.

With kind regards.

Yours sincerely,



L. C. Young, Professor
Department of Mathematics

[ans 7/12/52]

D.L. Székely
Dipl. Civil Engineer
Jerusalem. Israel.
29 Abarbanel Street

Dr. Norbert Wiener
Massachusetts Institute of Technology.

Cambridge. Massachusetts. U.S.A.

Dear Sir,

Under the impression of your popular book about "Cybernetics" I decided to write to you. The realm of my researches are applied Logistic and non-homogenous Logic, the theory of languages as means of social intercommunication and a generalised theory of Dimensional Analysis.

My present work concerns the construction of a symbolic language for the "Unified Science" and researches in the logical problems of unifying. I actually constructed a symbolic calculus with systems of interpretations, i.e. a symbolic artificial language, which works surprisingly well both in exact and non-exact sciences.

The following are some main aspects of this unifying language:

1. The artificial symbolic language must be a common meta language of the individual languages of the branches of sciences.

2. The artificial symbolic language must be a logical calculus interpreted by the dimensional units of a generalised and "weak" system of dimensional quantities, i.e. of a generalised "Dimensional Analysis", which has been extended into the direction of the non-exact means of intercommunication, e.g. colloquial languages and symptom-languages of the psychopathology.

3. The symbolic-technical representation of the dimensional quantities of variable exactness, and the operations with their calculus are constructed in a fashion which makes it possible to develop a calculating machine for dimensional units and quantities.

I think, I proved that the "Unified Science" is not just a movement, but it is a field of researches, it must have a theory of its own and for the purpose of unifying. It is based on a greatly generalised Logistics, the non-homogenous Logistics, and what has been usually called "Semantics" should be replaced by an exact science containing the theory of measurements and of what replaces measurement in non-exact branches of science, a theory of Exactitude and Precision, and a generalised Dimensional Analysis. Unifying needs a variable degree of "weakness" for its common meta-theory, and not just a theory with a given and fixed strongness of its calculus.

The unifying demonstrates a very far reaching partial identity

of many apparently independent concepts and methods in different branches of science, to day still unconnected. Unifying is a powerful weapon against senseless specialisation, and for an easier and better understood studying. It is something of really great importance.

May I mention, that I studied Logistic from Carnap, I met Philipp Frank, chairman of the Unified Science Movement two years ago at a Congress in Hohland, but did practically nothing for the publication of my results. I am working as the technical manager of an engineering firm, and if I have a few hours for myself, I carry on my researches, and cannot afford to waste it for translations (I am writing mostly in German) and publication. - It may be of interest for you to mention, that it is possible to give formal definitions within the theory of unified science for "clock", "calculating machine", "governor machine". Bridgman mentions in his "Reflections of a Physicist" that there does not exist an acceptable definition for clock and for calculating machine.

As I am not in the possession of your precise address, I confine myself to this short letter of introduction. In the hope of your early reply, I remain

Yours very sincerely

D.L. Székely
D.L. Székely

Jerusalem, 28.6.1952

[and 7/19/52]

COPY

South Tamworth, N.H., June 28, 1952

Dear Mr. Donoghue:

Your program seems interesting. I am forwarding it to the MIT mathematics department for its consideration.

Sincerely yours,

Norbert Wiener

Mathematics Department, MIT.

I am forwarding the enclosed letter for your consideration.

It seems OK

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CAMBRIDGE 39, MASS.

South Tamworth, New Hampshire, June 28, 1952

DEPARTMENT OF MATHEMATICS

Dear Schell:

I can't take Horni on. I need all summer to rest in. Furthermore, although Horni seems ~~all~~ right, I have had my run-ins with the General Electric people, and I am a little tired of their habit of pumping a man dry for no return, or at most travelling expenses. If they come to me with a business proposition, I may accept it or I may leave it, but I can think of many more deserving cases for my philanthropy.

Sincerely yours,

Norbert Wiener.

South Tamworth, New Hampshire, June 28, 1952

Dear Scholl:

I can't take Horni on. I need all summer to rest in. Furthermore, although Horni seems all right, I have had my run-ins with the General Electric people, and I am a little tired of their habit of pumping a man dry for no return, or at most travelling expenses. If they come to me with a business proposition, I may accept it or I may leave it, but I can think of many more deserving cases for my philanthropy.

Sincerely yours,

Norbert Wiener.

СОБЛ



GAMMA-BETA CHAPTER
ETA KAPPA NU ASSOCIATION
ELECTRICAL ENGINEERING HONOR SOCIETY
NORTHEASTERN UNIVERSITY

DEPARTMENT OF ELECTRICAL ENGINEERING
360 HUNTINGTON AVENUE
BOSTON 15, MASSACHUSETTS

June 30, 1952

Dr. Robert Wiener
Department of Mathematics
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Dr. Wiener:

Enclosed is a photograph which we hope will please you, and in some token fashion express our sincerest gratitude for your very fascinating talk at our Eta Kappa Nu spring initiation.

Of the memorable event, we all agree that your talk on "Mystery and Detective Stories" shall be remembered longest.

Very sincerely,

Leonard R. Doyon
Corresponding Secretary



CHARLES SCRIBNER'S SONS



PUBLISHERS

597 FIFTH AVENUE NEW YORK 17, N. Y.

June 30, 1952

Professor Norbert Wiener
Belmont, Massachusetts

Dear Professor Wiener:

We have noted with great interest the announcement of your forthcoming article concerning the problems of Automatic Control in the September issue of Scientific American.

On August 18th Scribners will publish a novel by Kurt Vonnegut, Jr., entitled PLAYER PIANO, which deals with this same subject -- the complete control by computers and electronic machines of American industry and the economic and social problems that will have to be solved in the coming Age of Electronics. Although fictional in form, PLAYER PIANO portrays with vivid realism a technologically advanced America of the not-too-distant future, a future already portended by machines now in existence and with which you are familiar.

As one of the scientists most intimately associated with this "new technology," we think that you will find PLAYER PIANO most absorbing reading. We are sending you an advance copy under separate cover, and we venture to hope that you will give us your comments on the book, or the comments of any of your associates.

Most sincerely,

Hope English

Hope English
Publicity Director

[ans 6/30/52]

[ca June 30, 1952]

Dear Dr. Ashby:

I remember how nearly I came unstuck at the meeting in Bristol. Well, I finished the work of the following year at a great cost in fatigue and exertion. I am now rustivating in my New Hampshire house, where the peace is blissful, and only the mosquitoes and the black flies remind one of the existence of a personal devil. I think I will need about two years to be able to face the very pleasant but exhausting prospect of another trip to Europe. Thus for the present it seems that July 1953 is out. There might be circumstances which would bring it back into the pale of probability.

I enjoyed your visit to M.I.T very much, and I only wish that these international visits of scientists were not associated with such oppressive work and a display of industrious consciousness as to cut down heavily, and what I consider the most fruitful and enjoyable aspects.

With best wishes,

sincerely yours,

Norbert Wiener