

228

CORRESPONDENCE

May, 1957

N. WIENER MC 22



[ca May, 1957]

COMMITTEE ON LEADERS AND SPECIALISTS  
AMERICAN COUNCIL ON EDUCATION  
1785 Massachusetts Avenue NW  
Washington 6 D. C.

BIOGRAPHICAL DATA ON: Mr. Andre Fernand SEVERAC  
Reporter for LE PROGRES DE LYON (Lyon Daily Newspaper)  
Lyon, France

Participant in the Foreign Leaders Program of the International  
Educational Exchange Service of the United States Department of State

Visiting the United States: June 4 - July 4, 1957  
(Accompanied by U.S. Department of State escort-interpreter: Mr. Francois W. Trives)

---

DATE AND PLACE OF BIRTH: February 10, 1906; Quissac, Gard, France.

NATIONALITY: French.

HOME ADDRESS: 149 rue Saint-Dominique, Paris, France.

ACADEMIC TRAINING: Primary school only.

PRESENT POSITION: Reporter for Le Progres de Lyon, Lyon daily newspaper, circulation 450,000.

POSITIONS HELD: Civil Servant, Ministry of PTT (Post-Telegraph-Telephone)

PROFESSIONAL ORGANIZATIONS: Le Soutien Confraternel des Journalistes.

PUBLICATIONS: In addition to his regular contributions to Le Progres de Lyon, he has written short stories for the review Confluences.

TRAVELS ABROAD: Austria and Italy.

KNOWLEDGE OF ENGLISH: Inadequate. Therefore, he is being accompanied by a U.S. Department of State escort-interpreter, Mr. Francois W. Trives.

INTERESTS:

1. Peaceful application of atomic energy.
2. Surgery - advanced techniques. He is particularly interested in viewing a bloodless heart operation and observing the use of auto-anaesthesia. (He is generally admiring of and interested in the audacity of surgeons.)

May 1, 1957

The Rev. John Crocker, Jr.  
Canterbury  
Trinity Church  
Copley Square  
Boston

Dear Mr. Crocker,

I enjoyed visiting your church very much last Sunday, and I am glad to have been of help to you. I hope we run into each other often in the future.

Sincerely yours,

Norbert Wiener.

NW/lis

May 1, 1957

Mr. Charles D. Hendley  
Schering Corporation  
Bloomfield  
N. J.

Dear Mr. Henley,

As you know, our autocorrelation apparatus is open to the inspection of all scientists and we have available the relevant specifications. I shall be regularly around the Institute except from May 9th till 11th when I shall be in Pittsburgh. I shall be glad to talk over matters with anyone that comes to my office and is interested in autocorrelation.

Thanking you very much for my pleasant reception at the Schering Company, I am

sincerely yours,

Norbert Wiener.

NW/ls

[and 5/6/57]



MIAMI UNIVERSITY  
OXFORD, OHIO

205 Administration Building  
May 2, 1957

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

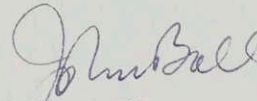
Dear Dr. Wiener:

After a breathing space and a chance to catch up on my work I can look back at the Cleveland Institute of the Humanities Center and begin to make some evaluations.

Before I can prepare a report of what we overlooked and what we might have done, however, I must recognize that my impression of the Institute and the impression reported to me in dozens of letters is overwhelmingly positive. I feel that we had a good Institute, and I know we owe it to the quality of participation by speakers, chairmen, committees, and staff.

I want to thank you for the important personal contribution you made to the Institute.

Sincerely,



John Ball  
Coordinator of the Institute

JB:JD

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TELEPHONE  
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May 2, 1957

Miss Elizabeth M. Walter  
Jonathan Cape Limited  
Thirty Bedford Square  
London W.C. 1, ENGLAND

Dear Miss Walter:

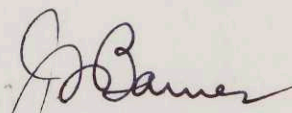
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This borrowed material will be used in **THE TOWER**  
**AND THE ABYSS** by Erich Kahler.

Sincerely yours,

  
J. S. Barnes  
Vice President

JSB:gm

Wiener - Cybernetics - a passage of about 3 lines.

P.S. This is a joint publication with the technology press of M.I.T. The acknowledgement to the source must note this fact.



May 2, 1957

Mr. Pierce G. Fredericks  
Sunday Department  
The New York Times  
Times Square  
New York 36  
N. Y.

Dear Mr. Fredericks,

Enclosed I am sending you the promised article on child prodigies. I leave the matter entirely in your hands and defer to your judgement as long as what you publish is kept in the spirit of what I have written and is not made sensational. The title may have to be changed.

I have not yet been interviewed by Parade, and I hope that this article will come out before the interview takes place.

Sincerely yours,

Norbert Wiener.

NW/lis



HARVARD UNIVERSITY  
UNIVERSITY HEALTH SERVICES

15 Holyoke Street  
Cambridge 38, Massachusetts

May 3, 1957

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

Dear Norbert:

I very much appreciate your sending me a copy of the letter sent to Mrs. Wiener. I will pass this on to Dr. Blaine. I have already talked with him about our telephone conversation. He saw Mr. Parikh and his mother yesterday afternoon and is trying to make arrangements for the intensive psychotherapy that he needs. Apparently he is improving but not enough to be discharged from the hospital as yet.

It was very nice of you to let me know about your friendship with Mr. Parikh's family.

With best personal regards,

Most sincerely,

*Dana*

Dana L. Farnsworth, M. D.  
Director

DLF:mca



NEW ENGLAND INSTITUTE FOR MEDICAL RESEARCH  
RIDGEFIELD, CONNECTICUT

May 3, 1957

Professor Norbert Weiner  
Massachusetts Institute of Technology  
Cambridge, Massachusetts

Dear Professor Weiner:

We are delighted with your suggestion apropos of your presentation on the "Study and Measurement of Physiological Rhythm, with Special Reference to Ultra Rhythm."

As I indicated on the telephone, the symposium will be held at the New England Institute for Medical Research in Ridgefield, Connecticut, on Monday and Tuesday, June 10 and 11.

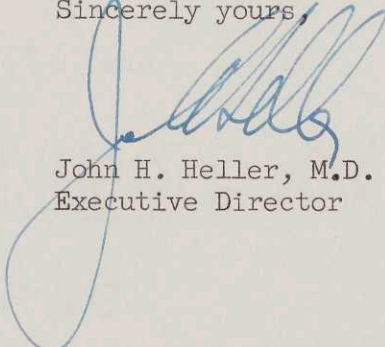
I am enclosing herewith the first announcement of this symposium. You will receive in the next few days additional material outlining the program, the participants, and the attendees.

I should appreciate hearing from you as to how long you feel your presentation will take, and whether you would prefer to speak on Monday or Tuesday.

We are eagerly looking forward to the presentation of your data.

With every good wish, I am

Sincerely yours,



John H. Heller, M.D.  
Executive Director

JHH:rmt

Enclosure

*Idlewood (Connecticut, Norwalk)  
8-6591*

ANNOUNCING  
A CONCEPTUAL CLINIC FOR  
NEW INSTRUMENTATION FOR MEDICINE AND BIOLOGY  
sponsored by  
The New England Institute for Medical Research  
and the  
Foundation for Instrumentation Education & Research  
at  
The New England Institute for Medical Research  
Ridgefield, Connecticut  
June 10-11, 1957

**THE SUBJECT:** The tremendous advances in recent years in physical techniques and instrumentation have, by and large, been unavailable to medicine and biology. The investigators in the physical sciences and in the instrument fields have little knowledge of the problems of medicine and biology. Conversely, most physicians do not have the technical knowledge necessary for the development of new instrumentation.

The forthcoming conference will bring together a group of creative thinkers in instrumentation and in bio-medical research. The combined forces will explore the potential of new instrument techniques for measuring and diagnosing physical and chemical variables in the human being.

**THE METHOD:** The two day clinic will embrace this format:

On the bio-medical side---

1. A description and demonstration of physical measurement problems in medical diagnosis and biological research.
2. A description and demonstration of chemical measurement problems in medical diagnosis and biological research.
3. A translation of measurement problems for one or two specific diseases into physical and engineering terms.

On the instrument designer side, creative thought directed towards solving the above problems at three levels---

1. New instruments for the practitioner.
2. Instruments for the hospital or diagnostic laboratory.
3. Advanced instrumentation for medical-biological research.

**THE RESULTS:** Out of the two days of review and conceptual thinking the group will attempt to distill the rough parameters for basic instrument research projects.



May 3, 1957

Dr. Bernard Goodman  
Department of Physics  
University of Missouri  
Columbia  
Missouri

Dear Dr. Goodman,

Professor Wiener asked me to thank you very much for sending him a list of reference pertaining to functional integration in quantum mechanics. Dr. Siegel joins him in sending you his best regards.

Sincerely yours,

Lucie H. Schaub  
Secretary to  
Professor Wiener.

ls

Mai 3, 1957

Herrn Prof. Dr. Ing. H. F. Schwenkhagen  
Wuppertal-Elberfeld  
Technische Akademie  
Hubertusallee 18  
Deutschland

Sehr geehrter Herr Kollege,

Dieses Jahr bin ich von einer zweijährigen Weltreise zurück und habe die Absicht, hier in Amerika einige Jahre zu verbleiben und meine wissenschaftliche Arbeit weiterzuführen. Leider ist es mir deshalb unmöglich, Europa dieses Jahr zu besuchen und eine Reihe von Vorträgen an der technischen Akademie Wuppertal zu halten. Das bedauere ich sehr, und ich hoffe, dass ich in der Zukunft eine andere Gelegenheit haben werde, Ihre Akademie zu besuchen und mit meinen dortigen Kollegen in Berührung zu kommen.

Hochachtungsvoll,  
Ihr sehr ergebener

Norbert Wiener.

NW/lS



May 3, 1957

Mr. Vasili Zakharchenko  
Chief Editor  
"Tekhnika Molodezhi"  
Moscow  
USSR

Dear colleague Zakharchenko,

While I have great sympathy for the world unity of science, I have little confidence in the value of statements and manifestos in bringing this unity to come to pass. Therefore I am somewhat hesitant to send a letter, an address, a statement or a photograph to supplement this sympathy in international scientific work. I believe that international progress and unity in science are best to be achieved by making easy the contact between scientists as individuals, irrespective of great organizations, national or otherwise, and therefore I hesitate to lend my support to a method of establishing this unity which seems to me to have come off fundamentally on the wrong foot. You will understand that this letter is one which I would write to any organization of any shade of opinion which to my way of thinking seems to take an attitude of officialdom in scientific contacts, rather than one of free personal interchange.

Sincerely yours,

Norbert Wiener.

NW/ls

# SCHERING

SCHERING CORPORATION

BLOOMFIELD, NEW JERSEY

May 6, 1957

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

Dear Dr. Wiener:

Thank you very much for your kind letter. Dr. Irwin, who is head of the neuropharmacology section here, is anxious to come along on our trip to Boston. This would mean that there would be three of us; Dr. Irwin, our electronics engineer Mr. Knapp, and myself. We have not yet agreed on a suitable time, so I thought the best thing would be for me to phone you sometime and see if we can work out a time which will be mutually convenient.

We are looking forward to our visit with you.

Sincerely yours,

*Charles D. Hendley*

Charles D. Hendley  
Pharmacologist

CDH:ch



KENT STATE UNIVERSITY  
KENT, OHIO

May 6, 1957

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

Dear Professor Wiener:

I am preparing a doctoral dissertation on a problem concerning the derivation of industrial arts subject matter reflective of the technology, and in it would like to quote a paragraph from your The Human Use of Human Beings. My copy was published by Doubleday and Co. in 1956.

The quotation is on page 153. It begins -  
". . . In its potential . . ." and concludes with  
". . . industrial revolution."

Your consideration will be appreciated.

Cordially yours,



Delmar W. Olsen, Professor  
Industrial Arts Department

DWO/jd

[ans 5/17/55]

May 7, 1957

The Chancellor and Mrs. Edward H. Litchfield  
1129 Beechwood Boulevard  
Pittsburgh

Dear Chancellor and Mrs. Litchfield,

Thank you very much for your kind invitation  
for Friday, May 10th. I accept it with great  
pleasure.

Sincerely yours,

Norbert Wiener.

NW/ls





HOUGHTON MIFFLIN COMPANY  
2 PARK STREET BOSTON 7

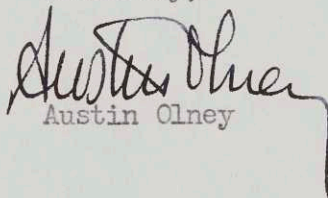
May 8, 1957

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

Dear Professor Wiener:

Copies of our edition of Thinking by Machine  
have just come in and it gives me great pleasure  
to send you one under separate cover.

Sincerely,

  
Austin Olney

sp

[ans 5/23/57]

May 8, 1957

Mr. Amar G. Bose  
c/o American Express  
Rome  
Italy

My dear Bose,

I am delighted to get your letter from New Delhi and hope to see you soon at M.I.T. and get to work with you again. I am sure you are going to have a delightful time in Europe. You must have met Haldane in Calcutta and he is one of the friends I would like you to visit. Another friend of mine is Prof. van der Pol in Holland, and if you are in Geneva I would like you to see Prof. Marcel Monnier. In Paris you might visit Prof. Mandelbrojt. Enclosed you will find a list of addresses.

I am working now on brain-waves and have a lot to tell you both concerning purely mathematical work and instrumentation. I am coming along well with my book on time series which I am doing together with colleagues from the Mathematics Department.

With best regards I am

sincerely yours,

Norbert Wiener

NW/l  
Enclosure



ADDRESSES.

Professor J. B. S. Haldane  
Department of Biometry  
London University  
Gower Street  
London  
England

Professor Balth. van der Pol  
Zydweg 10  
Wassenaar  
Netherlands

You may find out Professor Marcel Monnier's  
address through the

Physiologisches Institut  
Basel  
Switzerland

As to Professor S. Mandelbrojt, I think that  
you can get in touch with him through the  
College de France in Paris. I believe his address  
is

20, rue LeVerrier  
Paris V<sup>e</sup> (or possibly VI<sup>e</sup>)  
France

May 8, 1967

Professor Karl Menger  
5506 N. Wayne Ave.  
Chicago 40  
Ill.

Dear Professor Menger,

Professor Wiener asked me to write to you with reference to your recent letter. He thanks you very much for the interesting reprints and sends you his best regards.

As to his article on calculus in PRACTICAL MATHEMATICS, he would prefer not to go into further work on it.

Sincerely yours,

Lucie H. Schaub  
Secretary to  
Professor Wiener.

ls



# COPY

May 8, 1957

Dr. Warren Weaver  
Rockefeller Foundation  
49 W. 49th Street  
New York 20, N.Y.

Dear Dr. Weaver:

Professor P. Masani, Head of the Department of Mathematics of the Institute of Science in Bombay, India has asked me to write the Rockefeller Foundation in support of his application for a grant for next year. At the suggestion of the Foundation office in Bombay, Professor Masani has made application for a grant to Dr. Richmond K. Anderson of the Foundation.

Professor Masani has worked with Professor Norbert Wiener on prediction theory and related problems and they have made important contributions in the field.

For the past few years, several members of this Department together with colleagues from other departments at MIT and other universities have been working on prediction theory, probability and its relation to quantum theory and related areas. In this endeavor the joint work of Professors Masani and Wiener has played a key role. If Professor Masani could spend next year here, this work should be able to progress at a rapid rate.

I do not know Professor Masani personally, but I know first hand some of his mathematical work and know of him through Professor Wiener and others. On behalf of the Department of Mathematics at MIT I want to give strong support to his application for a grant and to state that he would be a welcome addition to our mathematical group here.

Very sincerely yours,

W.T. Martin

maf

cc: Dr. Richmond K. Anderson

NEW ENGLAND INSTITUTE FOR MEDICAL RESEARCH  
RIDGEFIELD, CONNECTICUT

May 9, 1957

Professor Norbert Weiner  
Department of Mathematics  
Massachusetts Institute of Technology  
Cambridge, Massachusetts

Dear Professor Weiner:

Is the following all right? If not, please give us the corrections.

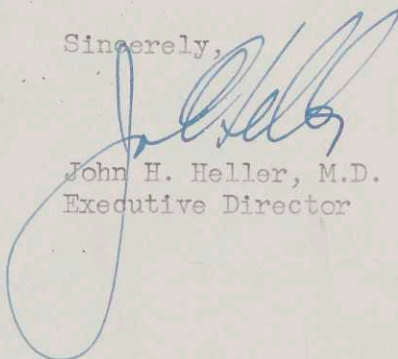
"STUDY OF PHYSIOLOGIC RHYTHMS WITH SPECIAL REFERENCE TO ALPHA RHYTHM

"Physiological data are often obtained in the form of voltage-time curves, as in electroencephalography. The total information contained in these tracings is usually not apparent on single inspection but can be extracted by mathematical analysis. This type of data treatment is termed "rhythm analysis" and is a powerful tool for the investigation of many normal physiological functions as well as the effects of disease or therapeutic agents on the system involved.

"Appropriate instrumentation for the study of physiologic rhythms and, in particular, alpha rhythm will be discussed."

Looking forward to seeing you.

Sincerely,



John H. Heller, M.D.  
Executive Director

JHH:eg





OFFICE OF THE MEDICAL DIRECTOR  
HOMBERG MEMORIAL INFIRMARY

CAMBRIDGE 39, MASSACHUSETTS

Professor Wiener -

I talked with Hudson Hoagland about this outfit. Neither he nor Gregory Pincus knew much about it. Their impression was that it was a brand new organization which had not yet established a reputation one way or another.

I looked up Dr. Heller in American Men of Science. He is a young man with a respectable background.

James M. Fullmer

May 9, 1957

Dr. Richmond K. Anderson  
Assistant Director for Biological  
and Medical Research  
The Rockefeller Foundation  
49 West 49th Street  
New York 20, N.Y.

Dear Dr. Anderson,

Professor Wiener asked me to send you the enclosed copy of his letter to Dr. Warren Weaver in connection with Professor P. Masani's application for a grant from your Foundation.

Sincerely yours,

Lucie H. Schaub  
Secretary to  
Professor Wiener

ls



May 9, 1957

Professor P. Masani  
Mathematics Department  
The Institute of Science  
Bombay 1  
India

Dear Professor Masani,

Professor Wiener asked me to send you the enclosed copy of his letter to Dr. Weaver. Another copy has been sent to Dr. Anderson. Professor Martin has also written to Dr. Weaver in connection with your application for a grant from the Rockefeller Foundation and has sent a copy of his letter to Dr. Anderson.

Sincerely yours,

Lucie H. Schaub  
Secretary to  
Professor Wiener.

1s  
enclosure

May 9, 1957

Dr. Warren Weaver  
Rockefeller Foundation  
49 W. 49th Street  
New York 20, N.Y.

Dear Dr. Weaver,

Professor Martin, the Head of our Department, has recently written you to investigate the possibility of getting a grant for Professor P. Masani, Head of the Department of Mathematics of the Institute of Science in Bombay, India, to study here in the States. Professor Masani and I have worked together for many months on a couple of papers, which are about to appear in the Acta Mathematica, concerning time series and probability. I have known Masani for years and value him highly as a mathematician and as a person. He shows both a remarkable mathematical intelligence and a high degree of integrity. In discussions he sticks to his guns more than I have found to be the rule among Indian scholars, and his work has a personal quality which I value very highly. Frankly, it would not only be a contribution to his career but to my own work for us to



be able to spend some time together. I also wish for him to have more contact with American mathematicians than he has had in the past.

Sincerely yours,

Norbert Wiener.

NW/lr

cc: Dr. Richmond K. Anderson

U.S. Naval Submarine Base  
New London, Connecticut

10 May

Dear Dr. Sienet,

The purpose of my writing is to ask a small favor which means a great deal to me. Will you please send me a personally autographed photograph of yourself for my room? I certainly shall appreciate it if you will do this for me, and I assure you the size of the photo does not matter as long as you personally sign the front of it. This is so the signature will be visible when the picture is framed.

It is indeed an honor to know that you are taking the time to read my letter and to consider my request. I sincerely hope you will not find a reason to disappoint me. I shall be anxiously awaiting your reply, so please let me hear from you at your earliest convenience.

In closing please accept my warmest personal regards for your future health and happiness, and I sincerely hope you will not find anything but the best of everything in life.

Respectfully yours,  
James M. Wiggins

LIEUTENANT (JUNIOR GRADE) - U.S. NAVY

LTJG. JAMES M. WIGGINS

Box 700

U.S. NAVAL SUBMARINE BASE

NEW LONDON

CONNECTICUT

[enc 5/16/57]



The City College

NEW YORK 31, N. Y.

file

DEPARTMENT OF PHILOSOPHY

May 12, 1957.

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

Dear Professor Wiener,

I am now able to supply the full details about the December meetings of the Philosophical Association, and the arrangements in connection with your paper.

The plenary session is scheduled for Sunday morning, December 29, 1957. The over-all title for the symposium is: DETERMINISM IN THE LIGHT OF RECENT PHYSICS. The title of your basic paper will of course be whatever you think suitable -- whether you wish to keep the title I initially suggested as the theme, "The Present Status of Determinism in Physics" or choose something more specific.

The two philosophers writing the comments are Professors Adolf Grünbaum of Lehigh University and Michael Scriven of Swarthmore College.

In line with the schedule I outlined in a previous letter, we hope you will be able to have your paper (not to exceed 5000 words) ready for the commentators by about June 10. May we ask you to provide three copies (one for the Journal of Philosophy and one for each of the commentators) and send them to me at the following address, which will be most convenient for the month of June:

171-07 84th Road, Jamaica 32, New York, N.Y.

May I pass on for whatever you may feel about it, the hope expressed by one philosopher when he heard that you had accepted our invitation, that you might develop the ideas sketched on pp.322-328 of your book, I Am a Mathematician. And may we express once more our appreciation for your readiness to participate in the symposium.

Sincerely yours,

Abraham Edel

Abraham Edel  
for the Program Committee,  
Eastern Division, American  
Philosophical Association.

[and 5/16/57]

# The New York Times

TIMES SQUARE NEW YORK 36 N Y

LACKAWANNA 4-1000

13 May 1957

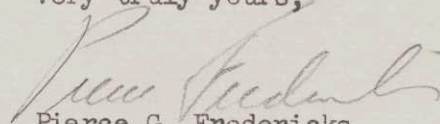
Dr. Norbert Weiner  
Massachusetts Institute of Technology  
Cambridge, Massachusetts

Dear Dr. Weiner:

As I trust your secretary told you we are happy with the prodigies piece and require only some small clarifications. These would be:

1. A clearer definition of what is a prodigy -- particularly distinguishing them from youngsters who simply have very good memories. This could come in, I think, just before the page two paragraph which begins "Looking at things from this end....." A hundred words or so should do it.
2. Could you indicate just which of the men listed on page two were prodigies and which simply made major work rather early in life? For instance, was Galois a prodigy or did he simply blossom in his late teens? Perhaps some of what you say about the nature of prodigies in #1 would influence what you say here.
3. Wouldn't you like to say a little more about prodigies who fail and why? I seem to recall a famous one who wound up working for the New York Customs House. You touch on this on pages six and seven, but you might like to go into this in more detail. Perhaps you might like to mention a case history or two -- with or without names.

Very truly yours,

  
Pierce G. Fredericks  
Sunday Department

PGF:elc



May 14, 1957

Mr. I. Narsky  
Preparatory Commission of the International  
Seminar for Students of Philosophy  
Faculty of Philosophy  
Moscow University  
Mokhovaya 11  
Moscow K-9  
USSR

My dear Mr. Narsky,

Last year I was away for the whole year in Europe, India and Japan, and I do not see my way clear to absent myself so soon for another period. I have a fair amount of work under way that I must finish this summer, and so I must regretfully decline your kind invitation to participate in the International Seminar on: "Is it Possible to Foresee the Ways of Development of Human Society". If this were not coming so soon after my last period of travel, I would be very much interested in your invitation.

Sincerely yours,

Norbert Wiener

NW/lb



card sent

RADIO CORPORATION OF AMERICA

DEFENSE ELECTRONIC PRODUCTS

GARDEN 2, NEW JERSEY



Analytical Group 10-8  
May 15, 1957

Professor N. Wiener  
Department of Mathematics  
Massachusetts Institute of Technology  
Cambridge 39, Massachusetts

Dear Professor Wiener:

Enclosed is a copy of my dissertation, done under the supervision of Professor J. J. Schoenberg of the University of Pennsylvania. I think you may find it interesting that my "Taylor series in the mean" provides ~~the~~ a natural method of generalizing to  $L^p$  results by you and Paley on analytic functions belonging to  $L^2$  uniformly in a strip. Professor Schoenberg felt that this result should be communicated to you.

Yours truly,

David S. Greenstein

P. S. Please do not be prejudiced by the industrial letterhead. My position here is only a temporary one; in September I shall be an instructor in the Mathematics Department at the University of Michigan. DSG

UNIVERSITY OF PITTSBURGH  
PITTSBURGH 13. PENNSYLVANIA

OFFICE OF  
THE CHANCELLOR

May 15, 1957

Dear Dr. Wiener:

May I tell you that it meant much to me to have had you here last Friday as a discussant in the seminar on the Natural Sciences. We have heard many fine comments about the seminar, and about your part in the discussion in particular. I do appreciate your participating.

Cordially,

Edward H. Litchfield

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

May 15, 1957

Office of the Bursar  
University of Pittsburgh  
Pittsburgh 13  
Pa.

Gentlemen,

Enclosed I am sending you a statement of the traveling expenses Professor Wiener incurred in connection with his trip to Pittsburgh to attend the Inauguration of Chancellor Edward H. Litchfield.

Sincerely yours,

Lucie H. Schaub  
Secretary to  
Professor Wiener

ls



May 9, 11.

Airplane fare (Boston - Pittsburgh - Boston)	\$ 68.53
Airplane Insurance	\$ 2.50
Taxi fares (Boston)	\$ 8.00
Taxi tips	\$ 0.50
Limousine tips	\$ 3.20
Meals	\$ 2.50

---

Total	\$ 85.23
-------	----------

May 16, 1957

Mr. Abraham Edel  
Department of Philosophy  
The City College  
New York 31  
N. Y.

Dear Mr. Edel,

It was not clear in my mind when I accepted your invitation to participate in the plenary session of the Philosophical Association that I would have to hand in a manuscript far in advance. These manuscripts solicited for meetings of scientific groups represent to the authors a considerable burden and one which I am not ready to assume. I feel that I am not alone in my attitude to this type of pressure. I therefore request that if you cannot see your way clear to accepting my talk as I give it at that time, you discharge me from further participation in the meeting. This is a matter of principle with me, and one which from now on I apply to all scientific talks and discussions in which I am requested to participate.

Sincerely yours,

Norbert Wiener.

NW/lb

May 16, 1957

Mr. Pierce G. Fredericks  
Sunday Department  
The New York Times  
Times Square  
New York 36  
N. Y.

Dear Mr. Fredericks,

Enclosed I am sending you the requested  
additions to Professor Wiener's article  
on child prodigies.

Sincerely yours,

Lucie H. Schaub  
Secretary to  
Professor Wiener

1a  
enclosure



To be inserted on page 2, after: "... but many years later than that particular stage of life".

The emphasis on the abilities of those children who have come before television or the radio as prodigies has been on their vast stores of information and memory. Information and memory are, it is true, very important tools for the intellectual worker, especially as they increase the span of what he can survey at one time. Nevertheless, they are rather help for the intellect than the intellect itself. Intellectual ability consists primarily in the power to conceive and organize new connections between one's ideas, and to develop these into new ideas. I would consider that the really worth-while sort of intellectual prodigies are those precocious in this direction as well as in their purely retentive faculty. I do not for one moment wish to suggest that the bright children who have appeared on the television screen do not have this more important faculty as well. In fact, I am quite convinced that they do have it. What I am trying to say here is that the media of public entertainment are able to bring out the retentive rather than the creative powers and tend to put a false weight on what to my mind is the secondary side of the child's activities.

To be inserted on page 2 after: "...nor are infant prodigies confined to musicians".

John Stuart Mill is another famous example of a child prodigy.

To be inserted on page 2 after: "...made their permanent mark in science in their early twenties."

All of the people whom I mentioned here were intellectually active during their late teens and very early twenties. Whether they were all technically infant prodigies is a matter concerning which I have not full information. Certainly Mozart, von Neumann and John Stuart Mill were infant prodigies in the full sense. It seems to me however highly improbable that an outstanding ability appearing fullblown in the late teens or early twenties would not have been foreshadowed by some manifestation of ability appearing already in childhood. Whether this ability was always implemented by an equally early training is to my mind a secondary matter. It certainly, however, was implemented. Moreover, as I say now, I shall repeat: the normal Gymnasium or lycee training in Europe is quite severe and arduous enough to be the equivalent of what we would consider as the training of the infant prodigy in the U.S.



Insert on page 3 after: "... enlarge the period over which most of his original ideas must take their origin."

As to those infant prodigies who have not lived up to their childhood promise, I wish to be discreet. If they are still alive it will serve no purpose to expose them to a cruel publicity and to make them suffer once more for the wreck of their ambitions. I know of at least one case where such gratuitous publicity was followed by the suicide of its victim. In the case of those who have died, I likewise wish to spare their memory and their kinsfolk. Suffice it to say that these cases of failure do occur as do likewise the cases where other people who have not given such precocious signs of their ability fail to come successfully through the crises of life.

The new paragraph on page 3 should begin as follows:

"I repeat, by no means all who start early in intellectual work..." instead of: "Of course, by no means all..."



May 16, 1957

Lieutenant JG James M. Wiggins  
Box 700  
U.S. Naval Submarine Base  
New London  
Connecticut

Dear Lieutenant Wiggins,

I have received your letter of May 10th in which you request a personally autographed photograph of Professor Wiener. I am very sorry not to be able to fulfil your request. However, it is Professor Wiener's policy not to give away autographed pictures of himself. I trust that you will understand that he cannot make an exception in your case.

Sincerely yours,

Lucie H. Schaub  
Secretary to  
Professor Wiener.

ls

HARVARD UNIVERSITY  
DEPARTMENT OF HYGIENE

78 Mt. Auburn St.

*13 Holyoke Street  
Cambridge 38, Massachusetts*

May 17, 1957

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

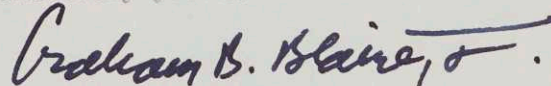
Dear Dr. Wiener:

Dana Farnsworth has passed on to me the correspondence which you sent him concerning Rohit Parikh, and I want to inform you of how things have progressed in regard to this boy.

He was hospitalized at The Boston State Hospital following his suicide attempt at the end of last month. His depression lifted quickly and within a few days they were able to allow him to return to classes while he was still in residence at the hospital. This was an interim maneuver designed to give him the protection of the hospital environment until such time as arrangements could be made for him to begin regular therapy as an outpatient. As you know, his mother arrived and found an apartment here in Cambridge at 27 Lancaster Street. Meantime, I was able to arrange for Rohit to begin therapy with Dr. Paul Walters, who is a member of the Staff here and sees private patients also. Rohit began his therapy with Dr. Walters this past Monday and will be seeing him regularly twice a week. At this time, Dr. Walters feels that Rohit is schizophrenic, and that therapy will have to be over a long-term period and largely supportive and reintegrating in nature. For the time being at least, Rohit will be living with his mother and continuing with his work here at Harvard. Our expectation is that he will be able to begin Graduate School in the fall, but other definite plans will have to await developments in therapy.

If you have other questions as time goes along, I am sure that Dr. Walters will be glad to answer them.

Sincerely yours,



Graham B. Blaine, Jr., M.D.

GEB:mr

✓

# SCHERING

SCHERING CORPORATION

BLOOMFIELD, NEW JERSEY

May 17, 1957

Dr. Norbert Wiener  
Massachusetts Institute of Technology  
Cambridge, Massachusetts

Dear Dr. Wiener:

I heard from your secretary that it will be convenient for you to see us on Monday, May 27th. We plan to come to your office at 10:00 A.M. if this is convenient for you.

We are all looking forward to our visit with you. There will be four in our group including Dr. Irwin, Mr. Knapp, (our electronics engineer) and Mr. Thomas our statistician.

If you have any reprints on auto-correlation that you can conveniently spare we would be happy to have them.

Sincerely yours,

Charles Hendley

Charles D. Hendley  
Pharmacologist

CDH:jw



May 17, 1957

Mr. Delmar W. Olsen  
Industrial Arts Department  
Kent State University  
Kent  
Ohio

Dear Mr. Olsen,

Professor Wiener asked me to write to you  
in reply to your letter of May 6th. He gives  
you his permission to quote a paragraph from  
The Human Use of Human Beings (page 153),  
conditional on the agreement of the Doubleday  
Co.

Sincerely yours,

Lucie H. Schaub  
Secretary to  
Professor Wiener

ls

## THOMAS E. BREWSTER

(NOT AN ATTORNEY)

1786 E. 89TH STREET

CLEVELAND 6, OHIO

May 20th, 1957

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

Dear Dr Wiener:

I have read your book "I am a mathematician" at the Cleveland Public Library, which gave me much valuable information. In it I noticed your remark to the effect that opinions change to favor the theory of gravitational attraction of light on Mondays, Wednesdays and Fridays, and so I am writing you about my skepticism regarding the title of a diagram in Barnet's "Universe and Dr. Einstein", page 97 which purports to show how the shift of the image of a star away from the eclipsed Sun is caused by the gravitational effect of the Sun.

My theory is that refraction causes the bend of the star's light rays around the Sun's center of gravity, and that if gravitation of the Sun attracted the light, the rays would be bent toward the Sun and shift the image of the star toward the Sun.

I am having difficulty in getting local newspapers and national magazines to publish my belief, appararently because the argument is a criticism of the belief in Einstein's infallibility.

A word from you supporting my skepticism would overcome this reluctance on the part of the press, and would be greatly appreciated by a man of over 73 years of age and interested in science but self-educated.

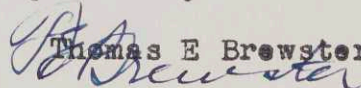
I did some patent research for a Mr Lamberton, Engineer of the Intrusion Prepakt Co., Union Commerce Bldg., Cleveland, and mentioned what you wrote about experience with a patent sold to Bell Telephone Co. Mr Lamberton said "I Studied under Prof. Wiener". So it is a small world we live in and getting smaller.

My belief regarding the hydrogen bomb and its effect on human activity, is that it will prevent war because it threatens to wipe out the General Headquarters of opposing military forces, as witness the report in the Chicago Tribune by Arthur Vesey, their English Correspondent that Russia planned to wipe out London and Washington early the next morning after the attack on Port Said.

Hoping that you will favor me with a reply at your convenience, I am

Very respectfully

Thomas E Brewster





May 20, 1957

Professor P. Masani  
Mathematics Department  
The Institute of Science  
Bombay 1  
India

Dear Masani,

I am passing your letter on to Professor Martin. Meanwhile I have written to Dr. Warren Weaver of the Rockefeller Foundation and have had the good luck to see him personally at a meeting in Pittsburgh. While I am in no position to promise anything, Weaver's reaction to your coming was very favorable, and I should judge your chances as excellent.

As to the corrections of our manuscript, I suggest that you personally get in touch with Acta and send them your list of changes directly or recall the manuscript in order to incorporate the changes in the margin.

Sincerely yours,

Norbert

NW/lb  
encs.



## CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

# WESTERN UNION

## TELEGRAM

W. P. MARSHALL, PRESIDENT

1201

## SYMBOLS

DL=Day Letter

NL=Night Letter

LT=International Letter Telegram

The filing time shown in the date line on domestic telegrams is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

M MWA9 36 M MWA9 36 NL PD=MILWAUKEE WIS 22:

=NORBERT WEINER, CARE MASSACHUSETTS INSTITUTE OF TECHNOLOGY=

=77 MASSACHUSETTS AVE CAMBRIDGE MASS.

1957 MAY 22 PM 11 35

=WOULD IT BE POSSIBLE TO VISIT YOU SOME WEEK END THIS OR NEXT MONTH TO DISCUSS THE POSSIBILITY OF FINDING WORK IN CYBRENETICS I GRADUATED FROM MPMI.T. IN 1950, S.B. (EE) AND AM PLANNING TO WORK IN THIS OR A RELATED FIELD IN EUROPE SOMETIME THIS SUMMER:

=JOSEPH B. OPNENHEIM 1629 NORTH PROSPEC FBENUE  
MILWAUKEE WIS::•

Special Delivery (by phone)

From Milwaukee, Wis.

Would it be possible to visit you this or next month to discuss the possibility of finding work [in the field of] Cybernetics? I graduated from M.I.T. in 1950, S.B. (E.E.), and I am planning to work in this or a related field in Europe some time this summer.

Joseph B. Openheim  
1629 North Prospect Ave.  
Milwaukee  
Wis.



MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
CAMBRIDGE 39, MASS.

DEPARTMENT OF MATHEMATICS

May 22, 1957

To the Secretary of Commerce  
of the United States  
Washington  
D.C.

Dear Sir,

It has come to my attention that technical data, unclassified as well as classified, can only be exported, with the exception of Canada, under a licence.

It has been my practice, as it is the overwhelming practice of my colleagues engaged in active scientific research, to send prints of articles for publication abroad, and to correspond with any foreign colleagues on scientific matters, and I do not in the future intend to go through this formality in my scientific correspondence. Those colleagues of mine who join me in signing this letter also adhere to this practice. Any other practice represents a serious hindrance in the comity of science and in the influence of America in world science. We are forwarding this letter to you to indicate a very general practice which we believe to be the prevailing practice among working scientists, and to ask to have regulations interfering with this



repealed. Otherwise, in addition to an interference with American scientific influence, we believe that the existing regulations can be used, and sooner or later will be used, for blackmail and the intimidation of working scientists.

Respectfully yours,

Norbert Wiener

NW/lis



May 22, 1957

To the Secretary of Commerce  
of the United States  
Washington  
D.C.

Dear Sir,

It has come to my attention that technical data, unclassified as well as classified, can only be exported, with the exception of Canada, under a licence.

It has been my practice, as it is the overwhelming practice of my colleagues engaged in active scientific research, to send prints of articles for publication abroad, and to correspond with any foreign colleagues on scientific matters, and I do not in the future intend to go through this formality in my scientific correspondence. Those colleagues of mine who join me in signing this letter also adhere to this practice. Any other practice represents a serious hindrance in the comity of science and in the influence of America in world science. We are forwarding this letter to you to indicate a very general practice which we believe to be the prevailing practice among working scientists, and to ask to have regulations interfering with this

repealed. Otherwise, in addition to an interference with American scientific influence, we believe that the existing regulations can be used, and sooner or later will be used, for blackmail and the intimidation of working scientists.

Respectfully yours,

Norbert Wiener

NW/ls



Wednesday 23rd May 1957

Murevigne, AIGUES-VIVES (Gard)

Sir,

I venture to send you three issues of Marsyas : one containing an article on Cybernetics, and two containing articles on Jules Verne, as I think they may interest you.

I have just read your biography in Hans Hartmann's Constructeurs d'Univers.

I am, Sir, yours sincerely.

to Mr. Norbert Wiener  
a/s M.M. Hermann & Cie  
Editeurs  
6, rue de la Sorbonne  
PARIS 5

*P. André Rey*

MARSYAS

[ans 6/5/57]

# The New York Times

TIMES SQUARE NEW YORK 36 NY

LACKAWANNA 4-1000

23 May 1957

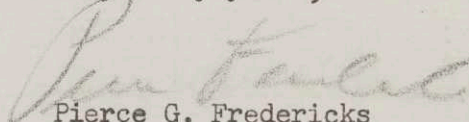
Dr. Norbert Weiner  
Massachusetts Institute of Technology  
Cambridge, Massachusetts

Dear Dr. Weiner:

Attached are proofs of your prodigies story which we plan to run on June 2nd. A little light editing has been done on it but no very important changes. If you have any questions please don't hesitate to call me collect.

Many thanks for your story which we are extremely pleased to have.

Very truly yours,



Pierce G. Fredericks  
Sunday Department

PGF:elc  
enc.

May 23, 1957

Mr. Eli de Gortari  
Centro de Estudios Filosoficos  
Torre de Humanidades, 4<sup>o</sup> piso  
Ciudad Universitaria  
Mexico 20  
D. F.

Dear Mr. de Gortari,

Professor Wiener asked me to write to you in order to inquire whether you could send him a copy of Publicaciones del Seminario de Problemas Cientificos y Filosoficos, No. 4, in which appeared "La psicologia y la cibernetica" by Arturo Rosenblueth.

Thanking you very much in advance, I am

sincerely yours,

Lucie H. Schaub  
Secretary to  
Professor Wiener.



May 23, 1957

Mr. Andrew H. Neilly  
John Wiley a. Sons, Inc.  
440 Fourth Ave.  
New York 16  
N. Y.

Dear Mr. Neilly,

Professor Wiener asked me to thank you for sending him a copy of Automation in Business and Industry by E. M. Grabbe. Unfortunately he is too busy, at present, to be able to send you his comments.

Sincerely yours,

Lucie H. Schaub  
Secretary to  
Professor Wiener.

ls

May 23, 1957

Mr. Austin Olney  
Houghton Mifflin Co.  
2 Park Street  
Boston 7  
Mass.

Dear Mr. Olney,

Professor Wiener asked me to thank you very  
much for sending him a copy of Thinking by  
Machine by Pierre de Latil.

Sincerely yours,

Lucie H. Schaub  
Secretary to  
Professor Wiener

ls

May 23, 1957

Mr. Joseph B. Openheim  
1629 North Prospect Ave.  
Milwaukee  
Wis.

Dear Mr. Openheim,

We have received your letter in which you ask for an interview with Professor Wiener. He will be glad to see you sometime before June 9th. I suggest that you send him a short note indicating when you could come.

Sincerely yours,

Lucie H. Schaub  
Secretary to  
Professor Wiener

ls

[and 5/24/57]



NEW ENGLAND INSTITUTE FOR MEDICAL RESEARCH  
RIDGEFIELD, CONNECTICUT

May 24, 1957

Professor Norbert Wiener  
Massachusetts Institute of Technology  
Cambridge, Massachusetts

Dear Professor Wiener:

The Symposium begins at 9:30 a.m. on Monday, June 10.  
It will terminate after lunch on Tuesday, June 11.

I would like to suggest that it would be optimal if you  
could arrive Sunday evening, June 9, so that you could  
be on hand at the beginning of the Symposium the next  
morning.

We will be happy to have a member of our staff escort  
you down from Boston, whether you wish to come by car  
or train. If you will be kind enough to let me know  
when you wish to leave Boston and where and when our  
staff member should meet you, we will take care of all  
the arrangements. In this way there should be no prob-  
lem in finding us.

We have reserved a room for you and would be very pleased  
to have Mrs. Wiener, too, if she should choose to accompany  
you. I would appreciate hearing from you as soon as conven-  
ient, because we must make arrangements well in advance.

Could you give me some idea as to approximately how long  
your presentation will take?

Looking forward to seeing you, I am

Sincerely yours,



John H. Heller, M.D.  
Executive Director

JHH:jmh

*Heller called Prof Wiener June 3*

*[ans 5/29/57]*

Pittsburgh

UNIVERSITY OF PITTSBURGH  
PITTSBURGH 13, PENNSYLVANIA  
DIVISION OF THE NATURAL SCIENCES

OFFICE OF THE DEAN

May 24, 1957

Dr. Norbert K. Wiener  
Department of Mathematics  
Massachusetts Institute of Technology  
Cambridge, Massachusetts

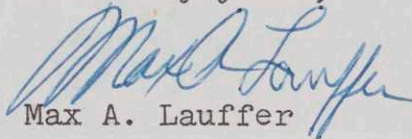
Dear Doctor Wiener:

I want you to know how much I enjoyed your visit to Pittsburgh and your participation in our Natural Sciences Seminar. You were simply magnificent.

You have not yet sent me your expense voucher. Just in case you mislaid the one I gave you, I am enclosing another. Please attach your receipted hotel bill and your transportation stubs.

Again, many thanks for your splendid cooperation.

Sincerely yours,

  
Max A. Lauffer

mmv

Enclosure 1  
Expense Voucher Form

*Sent 5-29  
with  
transportation form from Raymond White*



BRANDEIS UNIVERSITY  
SUMMER SCHOOL  
WALTHAM 54, MASSACHUSETTS

OFFICE OF THE DIRECTOR

May 24, 1957

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

Dear Professor Wiener:

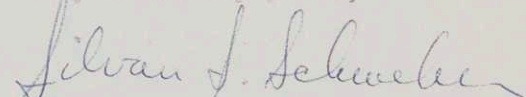
We are very pleased that you will be able to participate in our conference on modern quantization methods, and are looking forward to it.

Although the final program of the conference has not yet been arranged, a partial list of participants includes Professors Schwinger, Furry, Montroll, Ward and Zumino, as well as the staff members of the summer Institute, Professors Bergmann, Jauch, Karplus and Weisskopf.

We would appreciate receiving from you the title of your talk. We would be very happy to hear a talk either on Wiener integrals and their connections to quantum mechanics or your more recent formulations of quantum mechanics. For that matter, should you wish to give two talks, one concerning mathematical problems regarding Wiener integrals and integration in function spaces and, separately, a talk on the recent formulation of quantum mechanics with A. Siegel, this would constitute a most stimulating contribution to our conference.

Some time before the conference we shall again get in touch with you to make final arrangements for your stay here.

Very sincerely yours,

  
SILVAN S. SCHWEBER  
Department of Physics

SSS:0



May 24, 1957

Dean E. P. Brooks  
School of Industrial Management  
Office 52-474  
M.I.T.

Dear Dean Brooks,

Professor Wiener asked me to send you the enclosed letter, as you may have material on Management Science and Operations Research that could be useful to Mr. Kassan.

Sincerely yours,

Lucie H. Schaub  
Secretary to  
Professor Wiener

1s  
enclosure

May 24, 1957

Mr. Milton Leitenberg  
McCollum-Pratt Institute  
John Hopkins University  
Baltimore 18  
Maryland

Dar Mr. Leitenberg,

With reference to my letter of May 10, I wish to inform you that Prof. Wiener has actually written an article on "Thermodynamics of the Message". It appeared in Neurochemistry, ed. K. E. C. Elliott, publ. by Thomas, Springfield, Illinois, 1955. However, there are no reprints of this article available.

Sincerely yours,

Lucie H. Schaub  
Secretary to  
Professor Wiener

ls

May 24, 1957

Professor Kuniyoshi Obara  
Tamagawa University  
Machida-Machi  
Tokyo  
Japan

Dear Professor Obara,

We have received your letter of April 2. Unfortunately, Professor Wiener has been very busy during the last few months, and he still has very little time to devote to his correspondence. He hopes that later on he will find the time to answer your questions.

However, I think that you will find much useful information in Professor Wiener's biographies (Ex-Prodigy, Simon and Schuster, 1953; I am a Mathematician, Doubleday and Co., Inc., 1956).

As to your third question, we do not know the addresses of Miss Winifred Sackville Stoner and of Miss Lina Berle. The latter is working as a personnel consultant in New York City. Mr. Adolf Berle's address is: 70 Pine Street, New York City. You may find information concerning him in "Who's Who in America".

Sincerely yours,

Lucie H. Schaub  
Secretary to Prof. Wiener



May 24, 1957

Mr. Antonio Gouveia Portela  
Companhia Uniao Fabril  
Rua do Comercio 49  
Lisbon  
Portugal

Dear Mr. Portela,

This is to tell you that we have received your letter of February 12. Unfortunately, Professor Wiener has been very busy during the past few months, and he still has very little time to devote to his correspondence. Enclosed I am sending you a short bibliography of cybernetics which does not claim to be exhaustive, but which may nevertheless be of interest to you.

Professor Wiener sends you his regards, and hopes that later on he will find the time to answer your questions.

Sincerely yours,

Lucie H. Schaub  
Secretary to  
Professor Wiener

ls  
enclosure

[ans 5/28/57]

Pasadena, California  
25 May 1957

Dear Colleague:

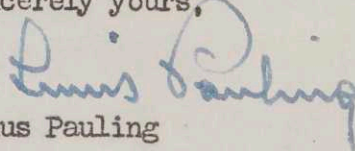
The attached Appeal by American Scientists has been formulated with the agreement of the scientists whose names are attached, acting as individuals. We are asking all of our colleagues who agree with this Appeal to indicate their agreement by signing a copy of the statement. It is understood that all signers are acting as individuals.

It is our plan to make this statement, and the names of the signers, public on or about June 3, 1957. The announcement will be made by me in Pasadena.

We hope to obtain at least some hundreds of signatures of scientists in various fields, including those working in the area of medicine.

We urge that you ask all of your colleagues to join in this Appeal. Please return lists of the names of signers to me as soon as possible. It is important that all names be in my hands by June 1.

Sincerely yours,



Linus Pauling

*sent appeal June 3, 1957*

26 May 1957  
1629 N. Prospect Ave.  
Milwaukee, Wisconsin

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

Dear Mr. Wiener,

I will arrive in Boston next Friday evening  
and will be able to see you anytime before I leave  
Sunday evening. Where and when would it be  
convenient to call on you?

Very truly yours,  
Joseph B. Oppenheim

[ans 5/29/57]



**Spector Engineering Service**  
**CONSULTING MECHANICAL ENGINEERS**  
DESIGNERS, BUILDERS OF MACHINERY, TOOLS  
DEVELOPING, MFG., EFFICIENCY ENGINEERS

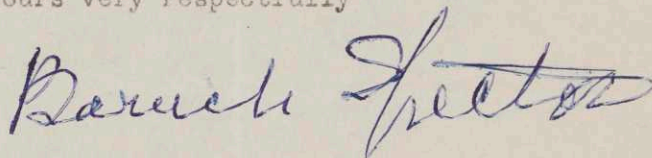
~~139-06 PERSHING CRESCENT~~ → 19 Jefferson Ave.  
~~JAMAICA 35, N. Y.~~ → Massapequa Park, L.I., N.Y.  
May 26, 1957.

Doctor Norbert Wiener  
M. I. T.  
Cambridge, Mass.  
Dear Dr. Wiener:

I would like to read your thesis on Philosophy of Mathematics. Can you help me ?

Secondly, it is my opinion that if an theorem (e.g., Euclid's parallelism) or an equation for which correspondence in nature does not exist, then that theorem or equation is as meaningless as getting something out of nothing or as the mistaking  $\infty$  for dx. I assume that in this sense only Kant's and Hegel's opinion that philosophy contains more truth than mathematics their opinions is the grain of truth in an ocean of untruth because science without mathematics is impossible and that science is superior to philosophy in each and in all respects. Do you concur with me ?

Yours very respectfully



Baruch Spector

[ans 5/31/57]



BRENNAN 300 Westgate West  
Cambridge 39, Mass.  
May 27, 1957

Dear Prof. Wiener:

Enclosed are the comments you wanted on Grenander & Rosenblatt's book. They are not very detailed, as I did not think this was indicated, but I can easily go into more detail if you wish.

I have also enclosed a clipping from the Monitor of last Thursday evening, which I thought might interest you; it is a review of a book by your old schoolmate A. A. Berle, Jr. The reviewer (Canham) is, as you probably know, the Editor of the Monitor.

I thought it was especially interesting that Berle, who has been so much mixed up in practical (and often disheartening) affairs, should be so much more optimistic about the future than you seem to be. This is also true of Bertrand Russell. I must say that I tend to agree with Berle; the future is by no means unequivocally assured, but it is certainly far from hopeless.

Perhaps the major intellectuals of our time are not without some obligation to refrain from throwing in the sponge.

Sincerely,  
Don Brennan



May 27, 1957

Remarks on "Statistical Analysis  
of Stationary Time Series", by Grenander  
& Rosenblatt.

I: General Comments. This book fills a very serious gap in the literature of mathematical statistics, and provides a number of important new results. The authors are among the increasingly rare people who are both strong mathematicians and interested in applications; they are quite well aware of the difference between a proof and a plausible argument, but they are also acquainted with a number of problems in engineering and physics. Most of the <sup>recent</sup> texts in this field by honest mathematicians (e.g. Cramér, Doob) pay little attention to applications, while the applied texts (Bartlett, Taylor) are generally "...the works of authors who are evidently not specially interested in analysis", to borrow a phrase of Titchmarsh's. ("Th. of Fourier Integrals", preface.) The only previous exceptions known to the present writer are the works of Feller and Wiener.

The most important results in this



book are those of Chapter 6, "Distribution of Spectral Estimates". These are likely to find considerable use in applications, and will furnish the basis for additional mathematical research.

The caliber of the writing displayed in the book is very high; it is eminently readable.

This reviewer's chief complaint would be that the book could have been made more nearly self-contained without much increase in length. The authors obviously had to assume a substantial background in real variable theory in general and probability theory in ~~particular~~ particular; however, there are a number of people who are reasonably well versed in these fields but who are not intimately involved with statistics as such, and the more specialized terms from statistics might well have been defined for the benefit of such readers. E.g., the present writer could not recall the definition of a "consistent" estimate, & had to look it up in Cramér. Another complaint would be that the index is very skimpy ( $1\frac{3}{4}$  pages). However, both of these complaints are very minor.

II: Minor mistakes & misprints noted.



1) p. 21, bottom paragraph.  $\Omega$  is defined as "...the set of all functions on  $T$ ." Eqn. (1) reads " $\{x_{t_j}(w) \in A_j; j=1,2,\dots,n\} \in \Omega$ ". The object  $\{x_{t_j}(w) \in A_j; j=1,2,\dots,n\}$  can be interpreted to be various things, e.g. a collection of functions on  $T$ , but not a function on  $T$ , & either (1) should read " $\{\dots\} \subseteq \Omega$ " (instead of " $\in$ ") or something should be re-defined.

2) p. 67, 3 lines from bottom.  $\sum \bar{c}_j z^j$  should read  $\sum c_j z^j$ , i.e. the conjugate is a misprint.

3) p. 155, first sentence of §4.8. The reference "Parke [1]" is not in the bibliography.

4) p. 158, line 3: "rational" should be "rationale".

5) p. 164: 4 lines from bottom,  $-\frac{1}{\rho} \nabla p$  should be  $-\frac{1}{\rho} \nabla p$  and  $\nu \Delta^2 u$  should be  $\nu \nabla^2 u$ ; 3 lines from bottom, "Navier-Stockes" should be "Navier-Stokes"; same line, " $\nabla u$  is the gradient of  $u$  and" should be deleted.  $u$  is a vector & its "gradient" is not defined; the term  $u \cdot \nabla u$  in the equation involved is the scalar operator  $(u \cdot \nabla)$  operating on the vector  $u$ .



6) p. 165, line 6, words "the statistical" are run together.

7) p. 167, line 10: Again  $\frac{1}{p} \nabla p$  should be  $\frac{1}{p} \nabla p$ .

8) p. 197, line above last equation on the page, " $N \leftarrow \infty$ " should be " $N \rightarrow \infty$ ".

9) p. 198, last sentence of §6.6: Put a period after the second "space" & delete "since it cannot be mapped onto a finite dimensional space by a continuous mapping." There are various possible interpretations of "space" and "finite dimensional", but none are known to the present writer that would make that statement true. E.g., the  $L^\infty$  norm  $\|f\|_\infty = \sup_\lambda |\tilde{f}(\lambda)|$  on the distribution functions involved sends  $f \rightarrow \|f\|_\infty$  continuously onto a one-dimensional subset of the real line, where  $\tilde{f}(\lambda) = f(\lambda) - f_0(\lambda)$ , some fixed  $f_0$ .

D. G. Brennan



69 Maple Street  
Scarsdale, N.Y.  
27. May, 1957.

Dear Professor Wiener:

I don't know whether or not you remember me - I came up to M.I.T. to be interviewed for a Moore Instructorship at the end of last February, and dropped in to ask your advice about a certain mathematical problem. Although I was not able to proceed in the direction that you suggested, the encouragement you gave me was very helpful - I had all but given up hope, and yet you insisted that I would be able to solve the problem eventually.

I have, in fact, been able to obtain what amounts to a complete solution, and since you suggested that I write to you if I found anything, I am



enclosing copies of the MSS containing my study of this problem. I hope they will be of interest to you — their actual publication, in Comm Pure & Appl. Math, is scheduled only for the beginning of next year. (Some of my other papers referred to in the Bibliography have not yet appeared, but a copy of the main one, "On Functions Which Are Mean Periodic on a Half Line", should be in the files of the Moore Committee.)

Please accept my apologies for the condition of the first enclosed MS; it was the only extra copy I had, and had been used earlier in the technical editing.

Allow me, please, to thank you for the time and courtesy

- you extended me when I was in  
M.I.T. My wife (you spoke to  
her in Spanish - she is from  
Bolivia) also sends you her  
warmest regards.

Yours sincerely,  
Paul Koosis





OFFICE OF THE DIRECTOR  
OF LIBRARIES

May 28, 1957

Professor Norbert Wiener  
Room 2-276

Dear Professor Wiener:

Thank you very much indeed for the manuscript  
copy of I Am A Mathematician.

This will be placed in the Tech Collection  
which, as you no doubt know, contains mater-  
ial written by M. I. T. authors and about  
M. I. T. We are pleased to be able to make  
this important addition.

Sincerely,

William N. Locke  
Director of Libraries

WNL:sj

# COMPANHIA UNIÃO FABRIL

S. A. R. L.

RUA DO COMÉRCIO, 49

LISBOA (PORTUGAL), 28th May, 1957

Professor Wiener  
Massachusetts Institute of Technology,  
Cambridge 39, Mass.

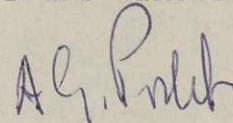
Dear Prof. Wiener,

Together with a kind letter of your Secretary, dated the 24th May, I have received a bibliography of cybernetics, for which I do thank you very much.

We are now buying the books you suggest and this will constitute the first step for a future library on cybernetics.

Thanking you once again, I remain,

Yours sincerely,



-----  
António Gouvêa Portela



FROM: THE YANKEE NETWORK  
21 BROOKLINE AVENUE  
BOSTON 15, MASS.

FOR IMMEDIATE RELEASE  
MAY 29, 1957

(MONDAY) DUNCAN MACDONALD'S "YANKEE HOME AND  
FOOD SHOW" AT NEW TIME ON WNAC  
AND YANKEE WEB (JUNE 3)

Effective with the broadcast of Monday, June 3rd, Duncan MacDonald's  
"Yankee Home and Food Show" broadcasts will be heard at a NEW time. The  
show, heard from 1:15-1:45 p.m. on WNAC and the Yankee Network will switch  
to a morning time slot effective June 3rd. NEW TIME WILL BE 10:05 a.m. to  
10:30 a.m.

First guest of Duncan at this new time period will be Elsie and John  
Masterton of Blueberry Hill Farm, Brandon, Vermont. The Mastertons who will  
appear on Monday, June 3 will tell the story of the Farm and "how it  
happened" in their book, "Nothing Whatever To Do," published by Crown.

On Tuesday, June 4 a representative of the Vermont Dairy Festival  
will appear to launch "Dairy Month."

Arthur Finney, A.I.D., describes the restoration of the famous  
Royall Mansion in Medford, Mass. when he appears on Wednesday, June 5.

On Thursday, June 6th, Inge Aicher-Scholl, one of the founders of the  
Ulm School of Design in Germany will appear. The Ulm School has many American  
ties. Construction was made possible through a grant from the U.S. High  
Commission for Germany. Guest lecturers from the U.S.A. have included Josef  
Albers of Yale and Norbert Wiener of M.I.T.

The school was established in memory of Inge Aicher-Scholl's brother  
and sister who were put to death for having distributed pamphlets advocating  
resistance to the Nazi government.

On Friday, June 7, Mrs. Philip D. McInnis of Concord, N.H. regional  
winner in the Singer Sewing Contest, who will participate in the Grand Sew-Off  
in New York, June 7-13th as a contender for the \$25,000 prize.

*New England, . . .*

May 29, 1957

Mr. John H. Heller, M.D., Executive Director  
New England Institute for Medical Research  
Ridgefield, Connecticut

Dear Mr. Heller:

The length of my talk will be about forty-five minutes. I prefer to talk on Monday and I shall probably come down with my wife.

Sincerely yours,

Norbert Wiener

maf



MASSACHUSETTS INSTITUTE OF TECHNOLOGY

May 29, 19 57

~~Memo to~~ Western Union Room

Sent telegram May 29, 1957 to:

Mr. J.B. Oppenheim  
1629 N. Prospect Ave.  
Milwaukee, Wisconsin

"Will be here all day Friday"

Robert Wiener

from Room

"SCIENTIA,,

Asso, 31 Mai 1957

Via Roncaglia, 4 - ASSO (Como)

Cher Monsieur,

— je vous prie vivement de m'excuser si je viens à nouveau vous déranger, mais j'espère que vous disposerez maintenant, ou prochainement, de quelque moment de loisir pour rédiger l'article pour "Scientia" que vos occupations vous ont empêché d'écrire il y a quelque mois. Vous savez combien nous tenons à votre éminente collaboration et combien nous vous serons reconnaissants si vous voudrez satisfaire notre très vif désir d'avoir au plus tôt votre manuscrit. Puis-je y compter? Je vous serais très obligé si vous pouviez me tranquilliser à ce sujet.

Dans l'attente de votre réponse, je vous renouvelle, cher Monsieur, l'expression de mes sentiments les plus distingués et les plus cordiaux.

p. "SCIENTIA,,

*Bonetti*

Eter

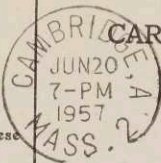
[ouv 7/20/57]

(Dott. Paolo Bonetti)



# "SCIENTIA,"

Rivista internazionale di sintesi scientifica  
Revue internationale de synthèse scientifique  
International Review of scientific syntheses  
Internat. Zeitschrift für wissenschaftliche Synthese  
Revista internacional de síntesis científica



CARTOLINA POSTALE



Via Roncaglia, 4 - ASSO  
(Como)

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FERNANDO MACHADO & C.ia, Porto

THE MARUZEN Co., Tokyo

PROF. NORBERT WIENER

~~Massachusetts Institute~~  
of Technology

*South Tamworth*

*New Hampshire*

~~CAMBRIDGE~~

~~(Mass.,~~ U.S.A.)

En cas d'insuffisance d'adresse prière de renvoyer à  
"SCIENTIA," Via Roncaglia, 4 - Asso  
(Como Italie)

George Allen & Unwin Ltd

PUBLISHERS & EXPORTERS

All communications to be addressed to the Company

40 Museum Street, London, W.C.1

Telegrams: DEUCALION, WESTCENT, LONDON

CAF/IRS

31st May, 1957.

Professor N. Wiener,  
Department of Mathematics,  
M.I.T.,  
Cambridge 39,  
Mass.

Dear Sir,

We are contemplating for the convenience of students, a collection of fundamental papers on Quantum Mechanics and should like, if we may, to include your classic contribution with Professor Born in company with translations of papers by Professor Heisenberg and Professor Pauli, etc. We should of course make careful acknowledgement of the source and should be most grateful if we might have your blessing, while a number of complimentary copies of the book would also be at your disposal if you wish to have them.

May we have the pleasure of a word from you?

Yours faithfully,  
for GEORGE ALLEN & UNWIN LTD.

*C. A. Unwin*

[ans 6/5/57]

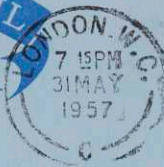


BY AIR MAIL

PAR AVION

AIR LETTER

AEROGRAMME



Professor N. Wiener,

Department of Mathematics,

Massachusetts Institute of  
Technology,  
Cambridge 39,

Mass., U.S.A.

↑ First fold here ↓

← Second fold here →

Sender's name and address: GEORGE ALLEN & UNWIN LTD.,

40 Museum Street,

LONDON, W.C.1

IF ANYTHING IS ENCLOSED THIS LETTER  
MAY BE SENT BY ORDINARY MAIL

Form approved by the Postmaster General, No. 71995/2E

Greenell Island  
1000 Is., N.Y.

SCHERING

SCHERING CORPORATION

BLOOMFIELD, NEW JERSEY

May 31, 1957

Dear Dr. Wiener,

All of our group enjoyed our visit with you very much, and we were certainly given a great deal to think about. After we got back I said, only half in jest, that our base of operations was going to be shifted up to MIT. Seriously, though, I do hope we can work out some arrangement that will benefit both groups. If we can provide good, normal, well-behaved cats with implanted electrodes, that will be at least a decent contribution to the enterprise. Later we can bring monkeys, though we are having a hard time getting them right now.

My boss, Dr. Gavier, is amenable to the plan I suggested to Rosenblith. If the latter is agreeable to the plan, I hope we will soon be under way.

Thanks again for making our visit memorable. And thank Mrs. Wiener for her warm hospitality.

Cordially, Charles Hendley



UNIVERSITY OF PITTSBURGH  
PITTSBURGH 13, PENNSYLVANIA  
DIVISION OF THE NATURAL SCIENCES

OFFICE OF THE DEAN

May 31, 1957

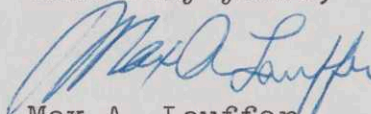
Dr. Norbert Wiener  
Professor of Mathematics  
Massachusetts Institute of Technology  
Cambridge, Massachusetts

Dear Doctor Wiener:

A check covering your traveling expenses to Pittsburgh is enclosed. This must be in response to an earlier voucher than the one I received today. If the amount of this check is not correct, please let me know.

Again, let me thank you for your magnificent contribution to our program. Many people have commented very favorably on your performance. It was a real pleasure to have you with us.

Sincerely yours,



Max A. Lauffer

mmv

Enclosure 1  
Check - \$85.23

[aw 6/6/57]





# INSTRUCTIONS

AND

## REGULATIONS ON TRAVELING EXPENSES FOR UNIVERSITY STAFF

### 1. Obtaining approval for the trip

- (a) All members of the staff who are required to make a special trip on University business at University expense must apply in advance to the Dean of their school who will consult with the Chancellor. Exceptions to this rule will be made in cases of routine travel for performance of regular duties and for instruction in extension classes.

### 2. Reimbursement for traveling expenses

#### (a) General:

All expense accounts must be submitted on the regular University Traveling Expense Voucher. Reimbursement may be partial or in full - - subject to the terms of the approval obtained for the trip. Itemization must be in the form required to complete the travel voucher.

#### (b) Transportation:

If by common carrier use first-class fare. Whenever possible round-trip or reduced convention fare rates shall be used.

If by privately owned car show the number of miles between points.

If pullman is used the stub must be attached to the voucher.

Taxicab fares shall be charged only when other service is inadequate.

#### (c) Hotels and Meals:

Hotel charges must be restricted to a reasonable amount. Receipted bills shall be attached to the voucher.

Meals must be itemized showing the cost of each meal for each day. Members are requested to limit the cost of meals to a reasonable figure.

#### (d) Other Items:

Telephone, telegraph, and baggage expense will be paid when properly itemized and explained.

Personal charges such as barber bills, laundry, clothes pressing, shoe-shines, valets or maids, tips, etc. cannot be paid.

### 3. Use of personal automobiles

- (a) Any person authorized to travel on University business shall have the alternative of using the usual common carrier or his own car. Where there is no emergency as to time, and there is an adequate common carrier available between the points of the journey, he shall be reimbursed for the amount of railroad rates at the cost of a first-class round trip ticket excluding pullman fare and excluding tax. In the event a common carrier is used, he shall be reimbursed for the actual cost, including necessary pullman service.

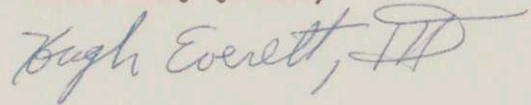
(Interpretation: Where a staff member drives his private car and is accompanied by one or more staff members whose expenses are paid also, the transportation cost will be allowed only to the owner of the car.)

- (b) When adequate common carrier service is not available, any person authorized to travel on University business may use his own car with expectation of reimbursement at the rate of *seven cents per mile* between the points covered.
- (c) Any person driving his own or other privately owned car while traveling on University business drives said car upon his own choice, and not as an agent for the University; and it is expressly understood that he assumes all responsibility for accidents, property damage, or public liability.

(PLEASE USE TRAVELING EXPENSE VOUCHER ON OTHER SIDE)

Professor Norbert Wiener  
May 31, 1957  
Page 2

Sincerely yours,

A handwritten signature in cursive script that reads "Hugh Everett, III". The signature is written in dark ink and is positioned above the typed name.

Hugh Everett, III

Note: Address after August 1:

607 Pelham Street  
Alexandria, Virginia

HE:nge



Schering

May 31, 1957

Schering Corporation  
c/o Mr. Charles D. Hendley  
Bloomfield, New Jersey

Gentlemen:

I enjoyed very much the visit of your group of scientists and I think we really got together on the matter of brain waves.

As you urged me to send in my account for consultation, I am putting my charge at \$200 for the day's work. I should be glad to be of any future use to you.

Sincerely yours,

Norbert Wiener

maf

*Spector*

May 31, 1957

Mr. Baruch Spector  
Spector Engineering Service  
19 Jefferson Avenue  
Massapequa Park, L.I., N.Y.

Dear Mr. Spector:

This is in reply to your letter of May 26  
to Professor Wiener.

I regret to say that the thesis to which  
you refer is now unobtainable and, unfortunately,  
I have no suggestions as to where you might locate  
a copy of it.

Sincerely yours,

Margaret Fitz-Gibbon  
Secretary

maf