

188

CORRESPONDENCE Feb. 16 - 28, 1954

N. WIENER - MC 22

Haverford College
Haverford, Pa.

2/16/54

Dear Professor Wiener,

Thank you so much for sending me the Atlantic Monthly Reprints which came precisely at the right moment.

Should we want to use the article for larger classes next year and the year after, we wonder whether you would give us permission to make our own copies.

With many thanks,

Sincerely,
[and 2/19/54] Theodor Benfey

NEW ENGLAND LIBRARY ASSOCIATION

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LOUISE B. DAY, Chief Librarian
Lynn Public Library
Lynn, Massachusetts

February 16, 1954

Dr. Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Dr. Wiener:

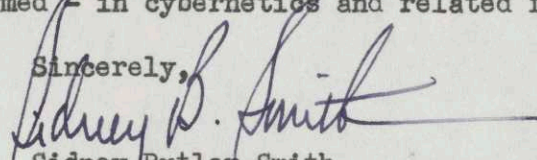
Let me introduce to you the New England Library Association composed of many of the librarians of the whole New England area. We meet as a group every year or two for three days to talk about the various problems of librarians and to hear from speakers who are working in areas of particular concern to us. Last fall we met at the New Ocean House in Swampscott and had some 900 registrants for our meetings.

This October 18, 19 and 20 we meet again, also in Swampscott, and I am writing to ask if you would come and speak to us informally and without feeling the need to spend time on advance preparation. We want very much to hear about some of the new developments in communications and electronic engineering which you have been working with. I am encouraged to send this invitation because a mutual friend at M.I.T. has told me that you might come to speak to us since we are relatively near to Cambridge and since we could emphasize that no elaborate preparation would be necessary. We would like to have you just come and tell us what you are working on at the moment. I would like to identify this mutual friend but have been sworn to secrecy because he refuses to be responsible for getting you into any more things than you already are doing but I thought I would write and see how your schedule looked for October.

Almost any time on the three days, October 18, 19, 20, would be convenient for us because our program is still in the flexible stage, but to be specific I would suggest Wednesday evening, October 20, when we would ask you for dinner and evening meeting which would be concluded by ten o'clock.

We hope very much that you can come, for there are many librarians tremendously interested - and somewhat uninformed - in cybernetics and related fields.

Sincerely,


Sidney Butler Smith
President

[ans 2/18/54]

Department of Mathematics,
Osmania University,
Hyderabad-Deccan,
17th February, 1954.

Prof. Norbert Wiener,
M.I.T., Cambridge,
Massachusetts, U.S.A.

Dear Sir,

I wish to remind you of our talk at the Indian Science Congress held at Hyderabad at Osmania University, Hyderabad-Dn., when you took my papers on Non-linear Differential Equations and said that you would show them to Prof. Norman Levinson. I am glad to tell you now that on the strength of those four papers, Andhra University has given me Ph.D. degree and Prof. Norman Levinson is one of the three examiners appointed to adjudicate on my thesis. Even otherwise Prof. Levinson knows me through my paper 'The general uniqueness theorem and

successive approximations'.

I shall be extremely happy to work with Prof. Levinson. But I explained to you my difficulties. I shall be very grateful if you help me extricate myself from the financial difficulty and make it possible for me to stay in your Institute for a couple of years with Prof. Levinson.

Yours faithfully,

B. Viswanatham

(B. Viswanatham)
Lecturer in Mathematics.

(2)

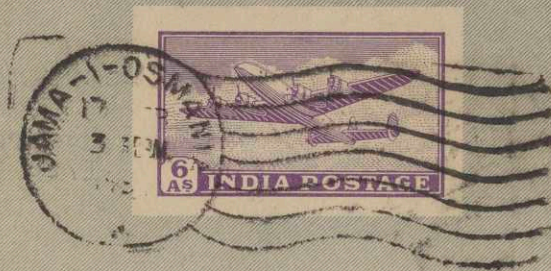
[ans 4/13/54]

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BY AIR MAIL

AIR LETTER

IF ANYTHING IS ENCLOSED
THIS LETTER WILL BE SENT
BY ORDINARY MAIL.



Prof. Norbert Wiener,

Massachusetts Institute of
Technology,
CAMBRIDGE?

Massachusetts, (U.S.A.)

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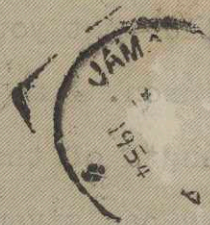
Corr - 68

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Sender's name and address :-

B. Viswanathan, M.
Lecturer in Mathematics,
Osmania University,
Hyderabad-Deccan-7.
(INDIA)



COPY

February 17, 1954

Jose M^a Samsó Dies, M. D.
Paseo de San Gervasio 70 pral.
Barcelona, Spain

Dear Dr. Samsó:

It is a delight to receive courteous letters such as yours from Barcelona on the 28th of January.

I am just back from a strenuous eight week lecture tour in India, and it will be some time before I have sufficiently cleaned my desk of uncompleted manuscripts and other pending work, to travel again.

However, when I have arrived at this blessed state, I shall certainly be glad to let you know of my plans, and see if I can fit in a trip to Barcelona anywhere.

Sincerely yours,

Norbert Wiener

NW:bbc

COPY

February 17, 1954

Dr. Rogelio Diaz Guerrero
Georgia No. 123, Col. Napoles
Mexico 18, D. F.

Dear Sir:

I should be delighted to go to your meeting on March 11-13, particularly in view of my long contact with Mexico and my affection for that country, but I find myself just back from India with a hard schedule of lecturing behind me and a considerable body of literary duties ahead, so that, even from the mere standpoint of my health, a new and strenuous commitment is not advisable.

Will you therefore be good enough to accept my statement of my inability to come to your meeting in the spirit in which it is meant, and will you let me convey to you and my Mexican friends my hope that it will not be long before I shall be again in Mexico on a scientific visit.

Sincerely yours,

Norbert Wiener

NW:bbc

February 17, 1954

Mr. T. Koga
Nagoya University
Faculty of Engineering
Furo-cho, Chikusa-ku
Nagoya, Japan

Dear Professor Koga:

Professor Shikao Ikehara, of the Tokyo Institute of Technology, who translated my book "The Human Use of Human Beings" into Japanese, last year asked my permission to translate "Cybernetics" into Japanese, and I encouraged him to do so.

I suggest you get in touch with Professor Ikehara, since he has a priority on doing the translation.

Sincerely yours,

Norbert Wiener

NW:bbc

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February 17, 1954

Professor B. Kosambi
Tata Institute for Fundamental Science
Bombay, India

Dear Kosambi:

It was a great pleasure to renew our old friendship. The Indian trip was not only one where I think I had a chance to be of some use to others, but also the discussions that I had were of tremendous value to myself.

It is quite on the cards that another couple of years may see Margaret and myself in India, and I hope that we can work hard together.

Please remember me to all my friends.

Sincerely yours,

Norbert Wiener

NW:bbc

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February 17, 1954

Professor and Mrs. Mahalanobis
Indian Institute of Statistics
Barrackpore, Trunk Road
Calcutta, India

Dear Professor and Mrs. Mahalanobis:

I am safely back at home in the States without too much wear and tear. Margaret joins me in thanking you for your delightful hospitality and your care of me. The Kashmiri tea service is beyond our dreams, and Peggy, who is getting married this Saturday, is more than delighted with the earrings.

As to my coming back to India some time in the future, Margaret is in complete accord with me and wants such a trip as you have been considering. Before I can come I wish to clear up certain arrears of back work and to get my main scientific treatise published. I found my colleague Siegel very happy about the reception which our physical ideas have got, and in a position to confirm some of them by his own work. In fact it seems, to our enthusiasm, that we are at real grips with some of the problems which are most bothering the quantum theory people at the present time.

McCarthy is a more vocal nuisance than ever but is acting like a man who feels that the sands are running out in his hourglass. Do you know the Scottish word "fey" -- where a man seems to run directly into the catastrophe that is to be his fate? Well, McCarthy acts like a man who is fey.

Please remember me to all my Calcutta and Indian friends, and not least of all to the good Bahadur, who served me in such a friendly and understanding manner. Tell Professor Bose how much I admire him and, in fact, how much he is admired in the United States.

With best regards and all friendship,

Norbert Wiener

NW:bbc

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE 39, MASS.

DEPARTMENT OF MATHEMATICS

February 17, 1954

Dear Ted:

This man is the organizer of the Cercle Cybernetique in Paris. He is a serious worker, and it will be a great pleasure to have him with us.

If you think it is at all possible, I leave to you the question of the ways and means.

Sincerely yours,

Norbert

[see 2-25-54]

COPY

February 17, 1954

Dear Ted:

This man is the organizer of the Cercle Cybernetique in Paris. He is a serious worker, and it will be a great pleasure to have him with us.

If you think it is at all possible, I leave to you the question of the ways and means.

Sincerely yours,

Norbert

COPY

February 17, 1954

Mr. C. H. Mergendahl
Newton High School
Newtonville, Mass.

Dear Mr. Mergendahl:

At the urgent request of my wife I would like to renege on my next summer's talk. I have a week's work cut out for me in July, and I find it necessary to finish a couple of books and to provide for recuperation after a year of extraordinary severity. I simply cannot chop up my summer so fine that I have some talks to give every month.

I hope you will understand my difficulty, and I believe that I am telling you sufficiently in advance so that you will have no trouble making arrangements to replace me.

Sincerely yours,

Norbert Wiener

NW:bbe

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February 17, 1954

Mr. David E. Morgan
220 Broadway
New York 38, N. Y.

Dear Mr. Morgan:

Thank you for the courtesy of your
letter of January 22nd.

I would answer it at more length
if I weren't newly returned from a
delightful but gruelling trip to
India, from the fatigue of which I
have not yet fully recovered.

Sincerely yours,

Norbert Wiener

NW:bbc

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February 17, 1954

Mr. and Mrs. Pathuk
Secretary, Indian Atomic Energy Commission
c/o Tata Institute for Fundamental Science
Bombay, India

Dear Pathuks:

I was so delighted when Mr. Pathuk visited me at the Santa Cruz airport on the way home. Since then I have had a hectic trip, in which everything went a little wrong, but nothing very much. After two days in the MIT Infirmary, I am now around again and doing my usual work in a manner which, however, is less effective than usual.

If you come to the States, Margaret and I insist on having you with us. My wife is fully as enthusiastic as I am for a future jaunt to India, and the work I did in India is shaping itself in such a way that within a year or two I may have it all written up and be ready for a new venture.

Sincerely yours,

Norbert Wiener

NW:bbc

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February 17, 1954

Mr. I. A. Richards
Harvard University
Graduate School of Education
Peabody House, Kirkland Street
Cambridge 38, Massachusetts

Dear Richards:

I am just back from a delightful eight weeks in India, and find on my docket your letter which has come while I have been away.

I am passing it on to Dean Burchard, who is more likely to be in a position to do something about it than anyone else here.

It's good to hear from you again and to renew an acquaintance which dates from the old days in 1913 when you and Ogden were at Magdalen.

Sincerely yours,

Norbert Wiener

NW:bbc

February 17, 1954

Mr. Archie R. Tunturi
Department of Anatomy
University of Oregon
Medical School
Portland 1, Oregon

Dear Mr. Tunturi:

I regret that I lost your papers earlier in the year. Now that I am back from India and able to take up your case, I am passing your papers on to Professor W. T. Martin, head of the Department of Mathematics here with the recommendation that your application seems to have real and serious value. Before I can go any further, I must learn from Professor Martin just what the opportunities are.

Sincerely yours,

Norbert Wiener

NW:bbe

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17 fevrier 1954

M. Robert Vallée
2, rue Mabillon
Paris 6, France

Cher M. Vallée:

Je viens d'achever septesemaines très intéressantes de travaille très dure aux Indes. En revenant des Indes, et en passant par Paris, j'étais severement enrheumé et je ne pouvais pas eloigner de l'aéroport, especiallement parce que l'heure du départ de l'avion aux Etats-Unis restait longtemps indeterminée à cause du brouillard.

Je suis revenu chez moi le samedi passé, et j'ai trouver votre lettre parmi ma correspondance. Je l'envoyerai a M. Martin, le directeur de l'institut de mathématique de mon école, avec le remarque que je trouve votre travaille très serieuse et que je voudrais bien vos idées en toute manière a obtenir un bourse d'etude chez nous.

Vous recevrais un communication de côté de M. Martin aussitôt que possible et j'espere a vous voir très tôt chez nous.

Avec les meilleurs souhaits de notre séance a Paris, je vous assure mes sentiments les plus amicaux,

Norbert Wiener

NW:bbc

COPY

17 fevrier 1954

M. Robert Vallee
2, rue Mabillon
Paris 6, France

Cher M. Vallee:

Je viens d'achever septesemaines tres interessantes de travaille tres dure aux Indes. En revenant des Indes, et en passant par Paris, j'etais severement enrheume et je ne pouvais pas eloigner de l'aeroport, especiallement parce que l'heure du depart de l'avion aux Etats-Unis restait longtemps indeterminee a cause du brouillard.

Je suis revenu chez moi le samedi passe, et j'ai trouver votre lettre parmi ma correspondance. Je l'envoyerai a M. Martin, le directeur de l'institut de mathematique de mon ecole, avec le remarque que je trouve votre travaille tres serieuse et que je voudrais bien vos idees en toute maniere a obtenir un bourse d'etude chez nous.

Vous recevrais un communication de cote de M. Martin aussitot que possible et j'espere a vous voir tres tot chez nous.

Avec les meilleurs souhaits de notre seance a Paris, je vous assure mes sentiments les plus amicaux,

Norbert Wiener

NW:bbc

COPY

February 17, 1954

Professor Vijayaraghavan
Ramanajun Institute of Mathematics
Madras, India

Dear Vijayaraghavan:

I am now safe and sound at home, and it seems to me that my trip to India was more wonderful than I could possibly have anticipated. Thank all your family and your friends for taking a poor mlechha like myself and treating him as if he were a brahmin.

Peggy is delighted with the sari and the blouse, which are exactly what she wanted. In fact, she says if they had been any more gorgeous she couldn't think of wearing them, but she really intends to use them as an evening costume. By the way, she would consider it a sacrilege to have a dressmaker remodel them into a western evening dress. She has some gold sandals which she got in Mexico which exactly suit the costume, and Mrs. Mahalanobis helped me buy her a pair of Bengali gold earrings. The wedding comes off this Saturday, and the Indian presents are occupying a place of honor at our table.

It seems quite on the cards that I may come back to India with my wife in two years. The trip was altogether satisfactory, and I did not have the chance really to feel abroad with the delightful companionship of you, your family, and my other friends.

Please persuade your wife next time that my wife and I very much want to meet her, and that I am really not a formidable person.

Give our regards, including those of Peggy, to your mother, your daughters, and your little grandson. With best greetings from house to house,

Sincerely yours,

Norbert Wiener

NW:bbc

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

February 18

1954

Memo to Professor Wiener

Room 2-155

Enclosed is the article Dr. Farnsworth spoke about this morning. Mr. Milligan is a minister of a church in Somerville, and this is a sermon he gave one Sunday.

Please return it to me when you have finished with it.

*Inv. appell.
Loh* (9)

[ans 4/13/59]

from Mrs. Adams, Secretary

Room Medical Dept.

NATIONAL SCIENCE FOUNDATION

WASHINGTON 25, D. C.

February 18, 1954

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

Dear Professor Wiener:

Enclosed is a copy of a preliminary proposal from Professor Ray Lorch from Columbia University. Would you be so kind to evaluate this proposal and thus assist the Foundation in its service to the scientists of this country.

Along with the proposal there is enclosed a guide sheet, a rating sheet and a return franked envelope.

Sincerely yours,

Leon W. Cohen

Leon W. Cohen
Program Director for
Mathematical Sciences

Enclosure

[over 3/15/54]

January 29, 1954

Dr. Leon Cohen
Program Director for Mathematical Science
The National Science Foundation
Washington 25, D.C.

Dear Dr. Cohen:

I am transmitting herewith a preliminary proposal for a program of research to be undertaken by Professor E.R. Lorch, through a contract between Columbia University and the National Science Foundation. Because of the urgency with regard to time, this proposal has not yet been formally submitted to the Office of Government Aided Research of Columbia University; but on the basis of informal discussion, formal approval of that office is anticipated, when the formal proposal will be transmitted to you.

Professor Lorch is now in Europe, on a Fulbright Grant, and, for various reasons, was unable to submit the present proposal at an earlier date. I have a letter from him empowering me to act on his behalf as his agent. This Department endorses Professor Lorch's proposal.

Sincerely yours,

B.O. Koopman

B.O. Koopman

Executive Officer,
Department of Mathematics

BOK/ja

RESEARCH PROPOSAL

Edgar R. Lorch

1. Institution. The institution under which this research is to be undertaken is Columbia University, New York 27, N.Y.
2. Principal Investigator. The principal investigator is Edgar R. Lorch, Professor of Mathematics at Columbia University.
3. Title of Proposed Research. On a New Contract of Volume in n -Space and its Extension to Hilbert Space.
4. Description of Proposed Research. The proposed problems arise as a natural continuation of studies in several connected fields. Basic to this research are:
 - a). The theory of convex bodies due to Minkowski with special contributions by Hilbert and Weyl.
 - b). The theory of completely continuous symmetric transformations in Hilbert space, particularly the repartition of eigenvalues due to Weyl, and the perturbation theory of Rellich.
 - c). The contributions of Banach, Tarski and others to the general problem of defining finitely additive invariant measures.
 - d). Modern results on the existence and uniqueness of completely additive invariant measures.
 - e). The work of Jessen, Kakutani, Yosida-Hewitt and the proposer on the relation of purely additive to completely additive measures (projection theory). See bibliography No. 25.
 - f). The work of the proposer on convex bodies (inequalities and homeomorphisms) in n -space and in Banach space (Nos. 19, 21).
 - g). The work of the proposer on the notion of volume in n -space (volumes of order r , $1 \leq r \leq \infty$) and its extension to Hilbert space ($r = 2$). (Nos. 23, 24).

Among the problems to be considered are: Determination of the extent of the class of bodies in Hilbert space for which a volume function is defined. Relations between the volumes of various orders and relations involving the volume of a convex body and its conjugate body. Questions concerning the theory of mixed volumes in Hilbert space. Construction of an appropriate exterior calculus in Hilbert space and its application to problems on mixed volumes. Existence and uniqueness problems for completely additive unitary invariant measures on the Hilbert sphere. Further studies on the properties of volumes of order r in n -space. Properties (including differential-geometric) of classes of self-adjoint operators determined by a smooth convex body in Hilbert space.

5. Procedure. The methods to be followed are those exposed in Nos. 19, 21, 23, 24, 25. These methods offer new possibilities as contrasted with the classic ones (due largely to Minkowski) for three reasons; 1. Introduction to homogeneity of order $r > 1$ (instead of $r = 1$) making possible the application of fundamental homeomorphism phenomena and the theory of quadratic forms (self-adjoint operators). 2. Development consistently based on the notion of a smooth body (continuous second derivatives) rather than polyhedra (which are essentially meaningless in Hilbert space). 3. Introduction of volumes of order r , $1 \leq r \leq \infty$. The case $r = 1$ gives the "classical" volume. The cases $r = 2$ and $r = \infty$ are most noteworthy. If $r = 2$, the theory of volume may be extended to Hilbert space.

Volumes are expressed as integrals over the unit sphere of an integrand which is the infinite product of the characteristic values of a completely continuous self-adjoint transformation associated with each point of the surface bounding the volume (the transformation determines the curvature of the surface). Thus the study calls for an analysis of the integrand (for example, perturbation theory is applied to establish continuity) and of the invariant measure used in the process of integration on the Hilbert sphere.

6. Facilities. All necessary facilities (library, office-space, etc.) will be supplied by Columbia University.

7. Personnel. The principal investigator is Edgar Raymond Lorch. His education, experience, accomplishments, and publications are given below. It is proposed that he spend full time on the project during the three summer months of 1954. The salary proposed for this is \$3,000 or one third of his academic salary.

Born 22 July 1907 in Switzerland. American citizen. Elementary education at Englewood, New Jersey.

Academic Training

Columbia College	1924-28	received A.B. in 1928
Columbia University	1928-33	received Ph.D. in 1933
Harvard University	1933-34	
University of Szeged	1934-35	

Academic and Professional Positions Held

Instructor of Mathematics,	Columbia University,	1931-33, 1935-41
Assistant Prof. of Mathematics,	Columbia University,	1941-44
Associate Prof. of Mathematics,	Columbia University,	1944-48
Professor of Mathematics,	Columbia University,	1948 -- present
Executive Officer, Dept. of Mathematics, Barnard College		1946-- present
Research Mathematician, N.D.R.C.		1944-45
Scientific Advisor to Chief of Staff, U.S. Army,		1948-49
Visiting Prof. of Mathematics, Carnegie Inst. of Technology,		1949

Special honors, special assignments, etc.

National Research Fellow at Harvard,	1933-34
Cutting Travelling Fellow in Europe,	1934-35
Editor, Bulletin of the American Mathematical Society	1944-50
Member of Council, American Mathematical Society,	1952-
Visiting Professor, University of Rome,	1953-54
Fulbright Lecturer, Italy,	1953-54.

Publications

1. Elementary transformations, Ann. of Math., vol. 33 (1932), pp. 214-228.
2. Functions of self-adjoint transformations in Hilbert space, Acta Litterarum ... Szeged, vol. 30 (1935), pp. 136-146.
3. The integral representation of unbounded self-adjoint transformations in Hilbert space, Trans. Amer. Math. Soc., vol. 39 (1936), pp. 331-340). (with F. Riesz)
4. On a calculus of operators in reflexive vector spaces, Trans. Amer. Math. Soc., vol. 45 (1939), pp. 217-234.
5. Bicontinuous linear transformations in certain vector spaces, Bull. Amer. Math. Soc. (1939), pp. 564-569.
6. Means of iterated transformations in reflexive vector spaces, Bull. Amer. Math. Soc., vol. 45 (1939), pp. 945-947.
7. The integral representation of weakly almost-periodic transformations in reflexive vector spaces, Trans. Amer. Math. Soc., vol. 49, (1949), pp. 18-40.
8. The spectrum of linear transformations, Trans. Amer. Math. Soc., vol. 52 (1942), pp. 238-248.
9. The theory of analytic functions in normed abelian vector rings, Trans. Amer. Math. Soc., vol. 54 (1943), pp. 414-425.
10. The structure of normed abelian rings, Bull. Amer. Math. Soc., vol. 50 (1944), pp. 447-463.
11. The Cauchy-Schwarz inequality and self-adjoint spaces, Ann. of Math., vol. 46 (1945), pp. 468-473.
12. On certain implications which characterize Hilbert space, Ann. of Math., vol. 49 (1948), pp. 523-532.

13. Return to the self-adjoint transformation, Acta Univ. Szeged., Sect. Sci. Math. (1950), pp. 137-144.
14. Normed rings - the first decade, Proceedings of the Symposium on Spectral theory and Differential Problems (Stillwater, 1950), pp. 249-258.
15. The spectral theorem and classical analysis, Proceedings of the Symposium on Spectral Theory and Differential Problems, (Stillwater, 1950), pp. 259-265.
16. Theory of Functions, Columbia University (mimeographed), iii + 139 pp . 1951.
17. Joseph Fels Ritt, Bull. Amer. Math. Soc., vol. 57 (1951), pp. 307-318.
18. Differentiable inequalities, convex bodies, and mixed volumes, Proc. Int. Cong. Math., Harvard (1950), vol. II.
19. Differentiable inequalities, convex bodies and mixed volumes, Trans. Amer. Math. Soc., vol. 71 (1951), pp. 243-266.
20. Convexity and normed spaces, Publications de l'Institut Mathématique de l'Académie Serbe des Sciences, tome IV (1952), pp. 109-112.
21. A curvature study of convex bodies in Banach spaces, Ann. di Mat. Pura ed Appl., serie IV, vol. 34 (1953), pp. 105-112.
22. Spazi di Banach e anelli normati, in press, Rome, 1954.
23. Su certe estensioni del concetto di volume, Acc. dei Lincei, January, 1954.
24. On the definition of volume for smooth convex bodies in Hilbert space (unpublished).
25. The projection of a linear functional on the manifold of measures (unpublished).

It is hoped to train a student in the capacity of assistant in this research. The budget proposed for this is \$1,800 for two academic semesters.

8. Budget.

a) Salaries	\$ 4800.00
(Prof. E.R. Lorch - \$3000;	
Assistant - 1800	
b) Permanent Equipment	-----
c) Expendable Equipment	20.00
d) Travel	250.00
e) Other direct costs - Secretarial assistance, phone, postage	200.00
f) Indirect Costs -- 15 c/o of above	790.50

T O T A L	\$ 6060.50

9. Approval. See covering letter.

NATIONAL SCIENCE FOUNDATION
DIVISION OF MATHEMATICAL, PHYSICAL AND ENGINEERING SCIENCES
SUGGESTIONS FOR RATING PROPOSALS

In judging requests for grants of funds in support of basic research, the following list of matters to be considered may be helpful to reviewers. There is no desire to set up rigid rules, since reviewers will not be in doubt regarding the method that best suits any particular case under review. It is hoped that each reviewer, upon completing his examination of the proposal may be able to assign to it a merit rating of excellent, good, fair or poor.

COMPETENCE OF THE INVESTIGATOR

1. What is the competence of the principal investigator in the field of his problem?
2. Is he associated with other competent research workers in his own or other fields?
3. Are there former students of the investigator who have had marked success in their professional work?
4. Is he a promising young research worker worthy of encouragement?

SCIENTIFIC MERIT OF THE PROBLEM

1. Is the problem to be investigated one of fundamental importance; i.e., would the results to be expected hold promise of being a significant addition to knowledge in the area of the work?
2. Has the problem been well conceived and the attack upon it well planned?
3. What is the merit of the problem in relation to contemporary or recent work in the field or in consideration of existing knowledge of which its results might become a part?
4. Would the research be an undesirable repetition of effort previously made or in progress? Are you familiar with similar research elsewhere?

SCIENTIFIC RESOURCES OF THE INSTITUTION

1. Does the recipient institution of the prospective grant have active interest in basic research as manifested by encouragement of its faculty to engage in basic research?
2. Are the laboratories and other facilities of the institution well suited for the proposed work?
3. Would the making of a grant as here proposed be likely to strengthen our national research potential in this field?
4. Would the making of a grant as here proposed encourage research in an area where little or no research is now conducted?
5. What is your general impression of the reasonableness of the amount of the desired grant?
6. Please make other comments that occur to you which would help in making a decision.
7. Suggest the names of other referees who might review this proposal.

Rock Hill, Wanaque, NJ
2/18/54 850pm. After Coffee
with Helen. Mild. Thursday,

1.

Prof Norbert Weiner,
MIT, Cambridge, Mass.

A: Weiner "The Fourier Integral," by Page numbers.
B: Weiner "E I S, Statistical Time Series," by page numbers.

Greetings:

Poincare had spoken of a problem of "fast and slow convergences" resolving to "indeterminate analysis."

That would include intensive extension of what you rejected in Cybernetics, treatment of human transients by the methods of natural science, or Blo transformation of a set of contingences, as is common industrial practice, in fast and slow convergences,

STS 23..your request for comment, backed in against yourA-1X IMPULSE TO WRITE....

"dissatisfaction with the preponderant role of convergence,"

"formal vs sensuous impulse" is Schiller's basic terminology, as of human transients of any sort, however simple, or however complex, independent of particular persons, or periods, hence, instead of resorting to "the narrative method of the Prof'l Historian,"

simply utilize A-163, " a function with a continuous spectrum, but without a spectrum density at every point, (mahler's), and let Wiener treat Wiener himself, for discovering and bringing thru the B-23 very faint message (or time series, here double..since this is in the (weiner, in a doublet back on Wiener's presence (own narrative) of a nearly overwhelming noise." (Enclosure to MIT's Fano..of this)

I remember you were kind enough to go to our CIO natl Headquarters..and were told nobody in CIO ranks could possibly understand what you were trying to say.

Since I happen to be a CIO Member, of Local 669, let's extend the Mahler spectrum into B-59-60... Discrete spectrum (or jump spectrum)..many well known cases in physics and enging, wher it has been a useful approximation to the observed situation, while NO CASE HAS BEEN FOUND IN ANY SUCH SCIENCE, where the non-absolutely continuous spectrum has proved a valuable tool. We say this, without prejudgetee to the future.

Since "THISy" is simply restating Mahler, about a physical importance not yet known, like Fano's "trivial cases, but we dont yet know how to do it."

2.

Rock Hill, Wanaque, NJ
2/18/54

Weiner:

Taking "THIS" as of ("Human Use of Human Beings, p136)
"THIS matter of the consideration of TIME
is essential in all estimates of
INFORMATION.

Making "INFORMATION" the B23 generalized methodology,
with or without Fourier methods, to take significant
(to somebody, as HH 139..Weiner sees no significant
(informational prospect that the next generation will be able to
furnish the colossal ideas, on which colossal project naturally
rest.)

to take signifcnat advantage
of the way in which
(BEFORE AND AFTER
enter into the
translation group (Weiner's own mind
in TIME."

Taking "this and that"
above, as of INFORMATION, transeient or the entire past of the
human race, or anything between, right up to the moving second by
second of each beat of the clock, and each letter on this
type writer, and each swirling cord move of my wife, Helen,
vacuuming on my right,

"THIS and That," or the generalized mathl process
of represting something by a letter, is as of the
"understanding that like letters (or words or Weiner above)
shall stand for the same thing, and

THIS ACTS AS A FORCE carrying the attention from
one occurence of A (this) to the previous one...

Hence, "THIS" and/or a letter so used, is an axiomatic
reductivity to a type, a movable type unit, or dimension,
of which the so called Heisenberg Uncertainty, stripped
from its "This" (as of particle motion and particle positions)
becomes your HH 129

"an amount of information, of which your 130 works of art
problem amounts to the same "THIS" and Prof Weiner's books
amount to the same "THIS" HH 16..a resolution of
the way in which human individuality resembles something
lingustic, 99 thus, speech is ...a peculiarly human activity....
Hence, HH93-4.. in our languaged based community, whose aim
since Acheson, Pre-Korea "The aim of American Foreign policy
is CREATION of a community sense among the nations," since
CREATION MEANS FORCE on a colosaal scale, and all the industrial
CREATION MEANS FORCE applied in terms of a single "BEFORE AND
AFTER" and HH 94, you have emphasized man's extrgordinary
ability to LEARN,

I have constructed a generalized "metric transitivity above

Rock Hill, Wanaque, NJ
 955pm, 2/18/54
 Helen still vacuuming.

Weiner:

For resolving the "FORCE" which carries between two persons, inclusive of HH190- Parkinsonians and intentionals, both of which are ordinary familiar used factualizations, signed, sealed, graded to thousands of industrial time study men, in fact, the very definition of physical motion, or toolusing particle, and measuring its positions, is continuously feedback, associated with the accomplishment of a PURPOSE.

"A motion is the PURPOSE or result of a physical or mechl action, or the ABSENCE of such action." ie, your continous spectrum, but without a ~~mmm~~ desnity at every point, otherwise, the Hesienberg business..in toolusing form, as Zipf so saw and used it..in connection with a "principle of least effort, and the concept of closely packed."

All or any of the above,..is for 58 beginning the cultivation of fertility of thought (in Weiner himself..feedback on himself) as we have cultivate efficiency in (mathl) administration..

All or any of the above reduces the amount of information large or small, world wide or transient, which HH129 is a quantity which differs from entropymerey by its algebraic sign and a possible numerical factor.

Read "algebraic sign and possible numerical factor," back against A-1...on levels of abstraction, and note that "algebraic sign as an undetermined literal, and a possible numerical (physical) factor,

And you are simply stating B-15..Lesbesgue-Probability concept, in which every shift in our time scale, by a real additive constant, or an integer additive constant, as the case may be, GENERATES

a proby preserving or measure preserving transformation of a SET OF CONTINGENCES into itself."

Since such a set of contingencies, such as war, etc, concern the social responsibility of science practitioners, and I have above, indicated how HH 174...the whole analog-digital business, the whole particle-position business, stripped to the FORCE, by which an understood likeness carries the attention of two or more persons from This (or money) to that money, as of counting levels, dollars to doughnuts, we note HH95 I am sticking to speech, the most distinctive achievement, utilizing HH21 NATURE ISSELF as "a message pattern distributed in TIME," and I have indicated, HH21..against no defin of the word Logarithm, that the J1 of Computing Systems, proposed to replace the binary basis, with something behind e^x , for msg information.

cheerfully
 David Lyle

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Feb. 18 1954

Memo to Mr. Cole

Room _____

I feel that it would be quite appropriate for Professor Wiener to act as sponsor for Mr. Tuohuri, if he cares to do so. - In such an event the Department would be very glad to grant him permission to attend any mathematics classes he wishes to attend next year; and also the Department from _____ would be glad to recommend that he have _____ Room _____ status as Visitor or Guest.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

February 18 1954

Memo to..... Room.....

Adm. McHague called: The talk has been rescheduled for 8:30 AM February 24. I told him Professor Wiener's train arrives at 8:20 AM. Professor Wiener will be met at the station. Lunch at the Officers' Club at noon.

from..... Room.....

February 18, 1954

Dr. Samuel E. Benesch
Jet Propulsion Laboratory
California Institute of Technology
4800 Oak Grove Drive
Pasadena 3, California

Dear Sir:

Professor Wiener has returned from India, but he is so far behind in his own literary and scientific work because of the trip, that he has asked me to write to you to say that it will be some time before he is free to answer your letter.

Sincerely yours,

Mrs. James Cole, Secretary
to Professor Wiener

February 18, 1954

Dr. Paul Chatfield
National Institute of Neurological
Diseases and Blindness
Bethesda 14, Maryland

My dear Dr. Chatfield:

Many thanks for your letter about Sidis. Since writing my book I have been informed through roots that go back deviously to the Sidis family that Sidis committed suicide. I do not know whether this information is contradicted by the information that you send me or not, in that suicide by such a drug as bichlorate of mercury would act through the destruction of the glomerul tissue. However, I imagine that your friend would have told you so if this had been the case and that I can assume, as, in fact, I had earlier assumed, that Sidis' death was due to natural causes.

Sincerely yours,

Norbert Wiener

NW:bbc

February 18, 1954

Mr. Sydney Gross, Editor
Technion Yearbook
American Technion Society
1000 Fifth Avenue
New York 28, New York

My dear Mr. Gross:

I am just back from a six weeks' lecture trip in India and find that my own research work is far behind, and that I must catch up quite soon.

In view of this, I can absolutely take on no new responsibilities this year. I feel very sympathetic to Technion, but you will understand my position.

Sincerely yours,

Norbert Wiener

NW:bbc

February 18, 1954

Mr. Carl Haverlin, President
Broadcast Music, Inc.
580 Fifth Avenue
New York 36, New York

Dear Mr. Haverlin:

I am just back from an eight weeks' lecture tour in India, and I have a forbidding bulk of Must work awaiting me here.

Thus I hope you will excuse me if I decline at present to commit myself to a program of radio reviewing. Indeed, I am so tied up for many months to come that I do not see any time in the immediately discernable future at which I can take up this sort of work.

Sincerely yours,

Norbert Wiener

NW:bbc

February 18, 1954

Dr. Hudson Hoagland, Executive Director
The Worcester Foundation for Experimental
Biology
Shrewsbury, Massachusetts

Dear Dr. Hoagland:

Many thanks for your letter of
December 21st. I am afraid that that is
that.

As you know, Peggy is getting
married Saturday, and I want to tell you
how much she has enjoyed her stay at the
Institute.

Sincerely yours,

Norbert Wiener

NW:bbo

February 18, 1954

M. Edouard Morot-Sir, Executive Officer
United States Educational Commission for France
9, rue Chardin
Paris 16, France

Dear Sir:

The work done by Professor Wiener during his year in France under the Fulbright program--1951--is not yet ready for publication. Professor Wiener hopes, however, to have this Treatise on Cybernetics ready for the press within the next two years.

Professor Wiener did start work on the first volume of his autobiography while he was in France. This is Ex-Prodigy, published last spring by Simon and Schuster, 630 Fifth Avenue, New York 20.

Since his return from France, Professor Wiener has published a number of articles in scholarly journals. If you would like reprints of these articles, we should be glad to send them to you.

Sincerely yours,

Mrs. James Cole, Secretary
to Professor Wiener

February 18, 1954

Mr. Joseph Rosner
10 Avenue D
New York 2, N. Y.

Dear Mr. Rosner:

I am afraid that the statement about the stockpiling of bombs which I made was made on the basis of conversation with friends who probably would not like to be quoted in the matter. I suggest that you get directly in contact with people who are closer to the present atomic bomb situation than I am, to verify your statement.

It's one of those things in which what we know to be dangerous and what we know to be safe are separated by very big factors, and it would be the height of folly for us to try to run up close to the border between the safe and the dangerous.

In any case, my statement was made some time ago, and I am not perfectly clear how it represents the best present opinion on the matter.

Sincerely yours,

Norbert Wiener

NW:bbc

February 18, 1954

Miss Mildred Salivar, Publicity Director
Harcourt, Brace and Company, Inc.
383 Madison Avenue
New York 17, New York

Dear Miss Salivar:

Many thanks for your promise to send me
Stuart Chase's book.

Mr. Chase and his wife discussed
several aspects of it with me on the porch of
my New Hampshire farmhouse last summer.

Sincerely yours,

Norbert Wiener

NW:bbc

February 18, 1954

Sidney Butler Smith, President
New England Library Association
University of Vermont
Burlington, Vermont

Dear Mr. Smith:

Professor Wiener has asked me to write to say that he would like to address your association, and that he will tentatively accept your invitation for next October.

He cannot commit himself definitely so far ahead of time, as you can understand. If you will write him next September to confirm the arrangements, final plans can be made at that time.

Sincerely yours,

Mrs. James Cole
Secretary to Professor Wiener

February 18, 1954

Dr. Erich Sponder
Madras Institute of Technology
Chromepet, Madras, India

My dear Dr. Sponder:

I am afraid that engineering education in the United States is not centralized enough for me to indicate to you any authority to whom you should write concerning a position in America.

I shall try to dig up your papers from among those I have brought back from India and to put them in the hands of aeronautical engineers for evaluation. I do not believe that the employment situation here looks very encouraging from your point of view, but if I hear of anything, I shall write you.

Sincerely yours,

Norbert Wiener

NW:bbc

February 18, 1954

Mr. Vilhjalmur Stefansson
Dartmouth College
Hanover, New Hampshire

Dear Mr. Stefansson:

I am so far away from my father's field of work that it would be rather difficult for me to dig up the more obscure passages in his books referring to tobacco. I am therefore passing on your request to my father's old friend, Professor Harry Wolfson of Harvard, who may remember conversations with father about the matter, and may be able to localize his ideas more precisely than I can.

If anything turns up, I shall be delighted to let you know.

Sincerely yours,

Norbert Wiener

NW:bbc

February 18, 1954

Stanley I. Stuber, General Secretary
The Japan International Christian
University Foundation, Inc.
44 East 23rd Street
New York 10, New York

My dear Mr. Stuber:

It happens that the book in question
has just been translated into Japanese by
my old student and colleague, Dr. Shikao
Yehara of the Tokyo Institute of
Technology.

Therefore, I do not think that a
copy of The Human Use of Human Beings in
English would be of any use in Japan at
present.

Sincerely yours,

Norbert Wiener

NW:bbc

February 18, 1954

Professor Harry Wolfson
Harvard University
Cambridge 38, Massachusetts

Dear Wolfson:

The two enclosed letters will explain themselves. I'll give a 20 to 1 bet that practically all father did was in his Africa and the Discovery of America, but if there was anything else, I think you are the most likely to dig it up.

By the way, I have just returned from a six weeks' trip to India, and find some interesting intellectual parallels between the Jews at the time of Mendelssohn and what is happening among the Brahmins. Perhaps you remember Baba Kosambi who was one of father's students, and is now one of the leading mathematicians of India. He was particularly struck by the analogy between his own father who was a rabbinical Vedic scholar, and my father as an example of the Jewish scholar after the Mendelssohn revolution.

Sincerely yours,

Norbert Wiener

NW:bbe

HARVARD UNIVERSITY
SOCIETY OF FELLOWS
WIDENER 98
CAMBRIDGE 38, MASSACHUSETTS

February 19, 1954

Dear Professor Wiener:

Mr. Marvin L. Minsky has been recommended as a candidate for a Junior Fellowship. Professor Crane Brinton, Chairman of the Society of Fellows, would appreciate very much having the benefit of your opinion of Mr. Minsky and his qualifications in this connection. It would be helpful to hear from you as soon as convenient since his is a late nomination.

Sincerely yours,

Elizabeth F. Hoxie

Secretary

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

①

[ans 3/4/54]



THE WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY

Shrewsbury, Massachusetts

February 19, 1954

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

Dear Prof. Weiner:

The Central Massachusetts Section of The American Chemical Society would like to know whether you would be interested in speaking to the group sometime in May. We would be very happy to have you do so.

The audience would consist largely of chemists but I am sure that many others - biologists, physicists, laymen, etc. - would want to hear you.

A topic highly pertinent to chemists, other scientists and laymen would be a discussion of some aspects of the impacts of science and society upon each other. It would be your privilege, however, to choose any topic you wish, as long as it has some relevance to chemists, either narrowly as chemists or broadly as scientists.

I sincerely hope that you will be able to find time to address us.

Yours truly,

Harold Levy

Harold Levy

HL/r

27 Nov sci with?

[cont 2/23/54]

Mathematics Department
The Institute of Science
Bombay 1, India

February 19, 1954

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

Dear Professor Wiener :

This is just to remind you, in case you have forgotten, that I would very much like to have a copy of your lectures on Multiple Time Series and any reprints you can spare of your papers on Generalised Harmonic Analysis, Ergodic Theory and Cybernetics.

I hope you enjoyed your trip to India. I, for one, benefited immensely from your visit, learning much more by talking with you than I could have by reading on my own. I hope I soon get another chance of meeting you. Unfortunately, examination and other routine work has prevented me from pursuing the problem of factorisation during the last month. But I intend to take it up very soon.

With thanks, and kind regards,

Sincerely yours

P. Masani

P. Masani

2/25/54

BY AIR MAIL

AIR LETTER

IF ANYTHING IS ENCLOSED
THIS LETTER WILL BE SENT
BY ORDINARY MAIL.



PROFESSOR NORBERT WIENER
MATHEMATICS DEPARTMENT
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE, MASS.
U. S. A.

Coaa - 66

First fold here

Third fold here

Second fold here

Sender's name and address :-

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

To open c

COMITÉ CONSULTATIF INTERNATIONAL
DES RADIOCOMMUNICATIONS
(C. C. I. R.)



INTERNATIONAL
RADIO CONSULTATIVE COMMITTEE
(C. C. I. R.)

COMITÉ CONSULTIVO INTERNACIONAL DE RADIOCOMUNICACIONES
(C. C. I. R.)

ADRESSE TÉLÉGRAPHIQUE :
COMRADIO, GENÈVE
TÉLÉPHONE 2 94 00

GENÈVE, PALAIS WILSON, LE 19th February, 1954

vdp/TT

Professor Norbert Wiener,
Massachusetts Institute of Technology,
Cambridge 39,
Massachusetts,
U.S.A.

Dear Professor Wiener,

Almost daily the C.C.I.R. is concerned with the task of trying to find an equivalent, in another language, of statements at hand in a given language. This transformation, which is usually called "translation", appears in practice to be far from unique or unequivocal. As a rule it amounts to a first approximation only. A test was therefore made along the lines of a Markov chain. I am sending you separately a report of this experiment, under the title :

"AN ITERATIVE TRANSLATION TEST".

Yours sincerely,

Balth. van der Pol

Prof. Dr. Balth. van der Pol

February 19, 1954

Mr. Baba, Head
Tata Institute for Fundamental Science
Bombay, India

Dear Mr. Baba:

Thank you again for the hospitality of your Institute. I am really hopeful that I may find myself with my wife in India within another two years, and if so, I hope we can get together scientifically in an even more active way than this time.

The trip was strenuous, and I am going through what can only be described as a spiritual hangover, but I am recovering rapidly and I believe I came through with less effort and lost motion than I believed possible.

Please remember me to all my Bombay friends.

Sincerely yours,

Norbert Wiener

NW:bbc

February 19, 1954

Professor Theodor Benfey
Haverford College
Haverford, Pennsylvania

Dear Professor Benfey:

Professor Wiener has asked me to write to say that it will be all right to make additional copies of the reprint if you find it necessary.

Sincerely yours,

Mrs. James Cole
Secretary to Professor Wiener

February 19, 1954

Mr. Jason Epstein
Doubleday and Co.
575 Madison Avenue
New York 22, N. Y.

Dear Epstein:

Thanks for your note. By the way, I am back from India after a marvelous trip. A good many of my friends think that a chapter or part-chapter on my travels in India should be incorporated into the book I Am a Mathematician. I stand ready to write this in the immediate future, but I should like your opinion before proceeding.

It won't be a travelogue, but will involve very interesting conversations I have had concerning the parallelism of the problems of the modernization of science among the Jews at the time of Mendelssohn and the similar problems facing the Brahmins in India, the question of a country coming new into science and almost swamped by the problems of scientific organization, the changes in racial attitudes, and many other things which I consider to be rather live matters.

I may say that I had a close contact with a surprisingly large group of Indian intellectuals among which I found many old family and personal friends, and that I did not feel that many punches were being pulled in their discussions with me.

Sincerely yours,

Norbert Wiener

NW:bbe

February 19, 1954

Manuel Sandoval Vallarta
Viceminister of Education
Mexico City, Mexico

Dear Manuel:

I'm just back from India, where I've had a wonderful trip and have run into your friends all along the line. With that and my preparations for Peggy's wedding tomorrow I am also pooped, and had to turn down an invitation to lecture at a congress in Mexico early in March. This does not mean that I do not want to go to Mexico, for I certainly intend to keep up my deep friendship for the country and my travels there.

Everybody remembers you in India, and sends the best. It was a real experience, and I think I did some valuable new scientific work there. But this is not the main purpose of my letter. Rashevsky's scheme for biophysical work at Chicago is on the rocks, and he is looking for new funds and a new place to locate. These are hard times in the States for the sort of assistance that a plan like his deserves, but I think that he ought to be able to find in America enough money to keep his scheme going, if he can cut the living expenses and other extraneous expenses to the bone.

I am suggesting that with you as Viceminister of Education this is an appropriate time for Mexico to get on board of a project which has real importance and will be most flattering to the world opinion of science being done in Mexico. I am thinking merely of his being able to get hold, at a reasonable price, of some estate in the outskirts of Mexico City or in Cuernavaca, and the goodwill of the Minister of Education. I am not trying to get any backing from Mexico of him which would require hard money. I've given him your name and he is likely to write to you in the near future. In the meanwhile I think there is a great possibility for Mexico to get without expense to itself a large number of scientific institutions which will add to its world reputation, and which will ultimately be Mexicanized as to new personnel and mode of living. Let me know what you think of it.

Sincerely yours,

Norbert Wiener

NW:bbc

"SCIENTIA,"

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

Via Roncaglia, 4 - ASSO
(Como)

NICOLA ZANICHELLI, Bologna

HERMANN & C. *ie*, Paris

ATLAS PUBL. & DISTR. Co., Ltd., London

STECHERT-HAFNER Inc., New York

H. BOUVIER u. Co., Bonn a/Rh.

FRIEDR. KILIAN'S NACHFOLGER, Budapest

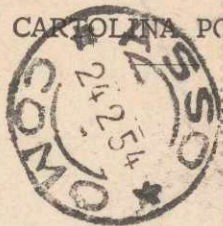
F. ROUGE & C. *ie*, Lausanne

J. VILLEGAS, Madrid

FERNANDO MACHADO & C. *ia*, Porto

THE MARUZEN Co., Tokyo

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



PROF. NORBERT WIENER

Massachusetts Institute

of Technology

CAMBRIDGE

(Mass., U.S.A.)

"SCIENTIA,,

Asso, 20 Février 1954

15

Via Roncaglia, 4 - ASSO (Como)

Cher Monsieur,

je vous prie vivement de m'excuser si je viens à nouveau vous déranger, mais je n'ai pas encore reçu de réponse à ma lettre précédente, par laquelle je vous priais de renouveler votre précieuse collaboration à notre Revue. - Si votre silence signifie que vous ne pouvez pas pour le moment satisfaire notre désir, je vous prie de vouloir bien me faire savoir au moins si je puis compter sur votre nouvelle collaboration à l'avenir et à quelle date, approximativement, vous pensez pouvoir m'envoyer votre manuscrit si vivement désiré. Je vous serais vraiment reconnaissant, cher Monsieur, de vouloir bien avoir l'amabilité de me répondre, ne fût-ce qu'un mot.

Agréé, je vous prie, l'expression de mes sentiments les plus distingués.

p. "SCIENTIA,,

(Dott. Paolo Bonetti)

[ans 4/12/54]

CARNEGIE INSTITUTE OF TECHNOLOGY

SCHENLEY PARK

PITTSBURGH 13, PENNSYLVANIA

DEPARTMENT OF ECONOMICS

February 22, 1954

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

Dear Professor Wiener:

Your pioneering work in the statistical approach to the design of filters, servos, etc. has been stimulating to Professor Simon and myself in connection with our work on decision rules for production and inventory control. Since you and Professor Levinson may be interested in seeing some of your theory applied in a different context, we are sending you herewith the following papers:

- 1) Optimal Decision Rules For Production and Inventory Control
- 2) Superposition Decision Rules for Production and Inventory Control
- 3) Decision Rules for Production and Inventory Controls with Probability Forecasts of Sales

See particularly pp. 28-33 of the first paper listed.

The papers are still in the draft stage with the exception of the first which is currently being published. Any comments or criticisms which you may have will, needless to say, be greatly appreciated.

Sincerely yours,

Charles C. Holt

Charles C. Holt

①

{and 4/14/54}

Rock Hill, Wanaque, NJ
2/22/54 Monday, Mild.
725pm, plane roaring overhead,
Helen washing dishes.

Prof Weiner:

For Poincare's problem of "fast vs slow convergences, resolving to an indeterminate analysis,

substitute your own Fast TV Scanning vs Slow Brownian motion, strip the Heisenberg Indeterminacy of physical particle and position, as enclosed to yourself, previously analoged to Fano,

THEN, take another look at your own "distinctive achievements in speech," used as Operators.

Eschbach notes that while physics cannot do without STANDARDS, mathematics knows nothing of STANDARDS.

In the ASA Bulletin..." A STANDARD is a solution of a recurring difficulty." "Standards are Your Business," (Am Stds Assn)

Recurrence, a principle of, was Poincare's general reductivity to a movable type unit or dimension of some sort.

Hence, using your own speech forms as "operators," transformations of one function into another,
a function being the arbitrary (physical) dependence of one number on another or several others, "Fourier#Integral
pl

I have sketched out a solution of the recurring difficulty of the beginning, or achievement of freedom from internal or intensional contradiction, in the physical dependence of one Weiner page number on several other Weiner page numbers, clearing out indeterminacies, and setting a foundation for a resolution of all the recurring difficulties of the theory of aggregates, or dimensional systems.

You once were kind enough to offer CIO's top leadership your services.

The kindness is herewith returned in amplified and interestingly play of "Operators" at your service, from Local 669, UAW-CIO, Wright Aeronautical, Woodridge, NJ.

Cheerfully

David Lyle 6121-50229 Wright Aero.

NO OBLIGATIONS
any/all use of materials.

CONSOLIDATED ENGINEERING CORPORATION

300 NORTH SIERRA MADRE VILLA
PASADENA 15, CALIFORNIA

COMPUTER DIVISION

22 February 1954

Professor Norbert Wiener
Department of Mathematics
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Cambridge, Massachusetts

Dear Professor Wiener:

Would it be possible to obtain four copies of your paper

"Theory of Prediction" to be sent to the following:

- (1) Consolidated Engineering Corporation
Computer Division
Mathematics Section
Pasadena 15, California
- (2) Mr. Erving Katz
1209 North Columbus Avenue
Glendale 2, California
- (3) Miss Gloria Bullock
268 McDonald Street
Pasadena, California
- (4) Mr. Kermith Speierman
822 Monterrey Road
Glendale, California

Thank you,

Christina Seltzer

Christina Seltzer
Secretary

The Technology Press



MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE 39, MASSACHUSETTS

February 23, 1954

Professor Norbert Wiener
2-155
M.I.T.

Dear Norbert:

In sending along this letter from Mr. Makita of the Japanese Standards Association, may I ask you to look at my letter to you of January 22, 1953 which grew out of Professor Ikahara's inquiry earlier that month about a Japanese translation of CYBERNETICS.

Did you get any specific statement from Monsier Freymann about his making the rights available to Misuzu Shobo? Please fill me in on what happened and return with Mr. Makita's letter and I will tell him what he needs to be told thereafter.

With every good wish,

Very truly yours,

A handwritten signature in cursive script, appearing to read "Fred", written in dark ink.

F. G. Fassett, Jr.
Director

FGF:k
Enc.

A handwritten number "9" enclosed within a hand-drawn circle, located to the right of the typed name.

[enc 3/4/54]

Rio de Janeiro, February 23, 1954

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

Sir:

About two and a half months ago I sent you a paper on "The movements of living beings" asking you the favour of sending me some sincere words about it.

As I did not receive any answer from you, up to this date, - and as your opinion would be of very great value for the work I try to develop, I am writing you now in order to ask you once more that same favour. If you don't like the paper you can be entirely frank about it. I only ask ~~a~~ brief explanation about what you think wrong.

I apologize very much for disturbing you. I do it only because I really need it.

Yours, very obliged,
Alair Gomes

ALAIR DE O. GOMES
RUA CARUARU 364, AP. 2
GRAJAU
RIO DE JANEIRO D.F.
BRASIL

Jim letter sent
2/26/54

Woodbine Md.

Feb. 23, 1954

Institute Of Technology.
Cambridge, Mass.

Dear Sir:-

Am writing you about
Mr. Norbert Wiener, is he still
there? ~~if~~ not, do you know his
address, would like to write
him about his glove he was
making, for the deaf to hear.
I havint heard any thing about
it for a couple years.

Please let me know if you
know his address.

Sincerely yours.

Mrs William Lewis.

Woodbine

Md.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
77 MASSACHUSETTS AVENUE
CAMBRIDGE 39, MASS.

Telegram rec'd February 23, 1954:

"Please wire collect whether or not you will be able to accept invitation to speak before Gordon Research Conference on Instrumentation. Refer to my letter of January 6." R. H. Osborn

Telegram sent collect in reply:

I must reserve the summer for my own research work. I regret I shall be unable to come. Norbert Wiener

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

W. P. MARSHALL, PRESIDENT

FX-1201

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=Int'l Letter Telegram

VLT=Int'l Victory Ltr.

The filing time shown in BA465 PA643 74 is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

P. WUA432NL PDWILMINGTON DEL 22:

=PROF NORBERT WIENER MASS INSTITUTE OF TECHNOLOGY-
CAMBRIDGE MASS=

1954 FEB 22 PM 6 30

PLEASE WIRE COLLECT WHETHER OR NOT YOU WILL BE ABLE TO
ACCEPT INVITATION TO SPEAK BEFORE GORDON RESEARCH
CONFERENCE ON INSTRUMENTATION. REFER TO MY LETTER OF
JANUARY 6TH:

=R H OSBORN HERCULES POWDER CO EXPERIMENT
STATION= =..

WESTERN ENGINEERING ASSOCIATES

CONSULTING ENGINEERS

February 23, 1954

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

4

Dear Professor Wiener:

I trust that you had a pleasant and satisfying trip to India and found it nice to be home again.

Enclosed is the copy of the paper I presented at the Boston AAAS meeting and which you indicated an interest in earlier.

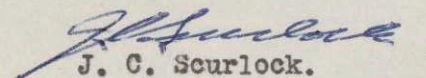
Since I was given only 20 minutes, this is almost cryptic. I had to leave out, almost completely, a description of the practical device - "Normal Accounting" - by which we would formally recognize the natural norm.

You may recall Ashby's neat little development which appeared in Nature, February, 1945, with the conclusion: "Fixing a natural variable in a system carries some danger of rendering the whole system unstable." In our economic system, "the monetary value of debts (and other commitments concerning capital)" is a natural variable (ref: last sentence, our paragraph 2.07). Implicitly in our traditions, and explicitly by law, we have "fixed" this variable (ref: our Par. 1.03).

Our thesis is that until we recognize the monetary value of debts for what it is - a natural variable properly expressed simply as a function of E/P (per capita expenditures for new wealth) - our economic system will continue to be intrinsically unstable, inviting "manual" controls. In the meantime, we may, by habituation, become inured to these controls to such a degree that we may succumb from within to the cause of imposed socialism or Communism.

Your comments or suggestions, or any questions, will be appreciated. It would be fine to hear from you that I have not used the word "Cybernetics" in vain.

Sincerely yours,


J. C. Scurlock.

JCS/s

[ans 4/13/54]

New Address :

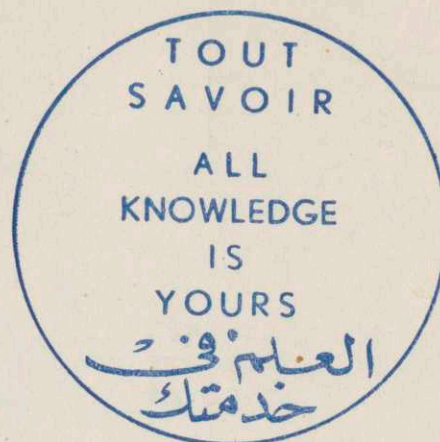
c/o Institut de Culture Humaine
18, Emad El Dine St. - CAIRO

UI / IU

UNIVERSAL INFORMATION SERVICE
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3, Sh. Abdel Hamid Said (ex. Nemr). App. 39
Cairo - Egypt Tel 41586
Telegr. Adr. Information Cairo P.O.B.

٣ شارع عبد الحميد سعيد (سابقاً) رقم ٣٩
القاهرة ص ب ٤١٥٨٦



Mr. Norbert Wiener,
Professor of Mathematics,
The Massachusetts Institute
of Technology,
Cambridge,
Massachusetts,
United States of America.

Our Ref.

NS/72

Your Ref.

Your letter

Date

23/2/54

Dear Sir,

It was with the greatest interest that I have read your book "Cybernetics or Control and Communication in the Animal and the Machine" more than two years ago.

I became then extremely interested in this subject. But gradually my interest shifted more and more towards the subject of the Theory of Information. I tried to understand as best as I could, in spite of not knowing mathematics, what is exactly meant by "information".

I would like to know more about it as well as about related subjects of semantics, symbolic logic, foundations of mathematics, theory of communications, theory of games and cybernetics. Are there any societies or associations where one may get informations, documentations and bibliographies about them?

I would like also to know what subjects, mathematical or others, one must study before becoming proficient in cybernetics. Are there any schools or universities which offer a course in these subjects? Are there any courses in cybernetics itself?

Last summer, when I was on vacations at Alexandria I was thinking about the possibility of diminishing the amount of information to be transmitted on a telecommunications channel. It occurred to me why not, instead of transmitting a message, to build all possible messages one after the other at the receiving as well as at the transmitting end without in fact transmitting any "information". When the desired message is built at both ends to transmit only one unit of information. This unit of information will "choose" at the receiving end the desired message.

6

As an example I suppose that we are building 5-letter words with the 26 letters of the alphabet. There are 26^5 possible messages. We build simultaneously at the receiving and at the transmitting end these messages one after the other. When the message one wants to transmit is formed the transmitter is so build that it sends a signal consisting of one unit of information which acts on the receiver, stops it, there remains the message we wanted to transmit. It may be recorded at this moment on a microfilm and the receiver is again in a condition to receive further "messages". In the whole process we have transmitted along the telecommunications channel only one bit. But we know what message one wanted to transmit.

I wonder if one could use such an idea to transmit messages with a very small amount of information. Theoretically only one bit for a message of any length. The difficulty seems in the fact that the receiving and the transmitting ends must be perfectly synchronised without using the ordinary methods used, for instance in television. This would defeat our purpose. Maybe one may use the variations of the magnetic field of the earth to achieve it?

I thank you in advance and assure you of my best attention at all times.

Very truly yours

G. Vikentiev
G. Vikentiev

[ans 4/13/59]

February 23, 1954

Mr. Harold Levy
The Worcester Foundation for Experimental
Biology
Shrewsbury, Massachusetts

Dear Mr. Levy:

Professor Wiener has asked me to write you to say that he will be glad to address the Central Massachusetts Section of the American Chemical Society sometime in May.

He assumes that you will demand only an informal speech, and will not request a manuscript for publication.

You did not mention either the date or the place of the meeting. At present Professor Wiener has no other engagements during May, but he would like to know as soon as possible the date you select.

Sincerely yours,

Mrs. James Cole
Secretary to Professor Wiener

[ms 2/29/54]

BOSTON CONSOLIDATED GAS COMPANY

144 McBRIDE STREET, JAMAICA PLAIN 30, MASS.

February 24, 1954

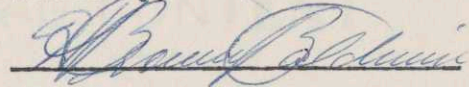
Prof. Norbert Wiener
Room 2-155
Mass. Inst. of Tech.
Cambridge, Mass.

Dear Prof. Wiener:

Since you left for India, some changes in my schedule have made it impossible for me to attend the March 25th A.S.M.E. meeting. Mr. Peter Stein from M.I.T. has consented, however, to take over any last minute arrangements that might have to be made. I'm writing to Mr. Stein today to ask him to get in touch with you on this matter.

It is really a personal shame not to be able to attend the meeting as your talk is sure to be of wide interest. Thank you very much, though, for your kind acceptance and I hope you find everything satisfactory.

Sincerely,



H. Brown Baldwin

HBB:mjb

*Prof. W. in infirmary
cannot give talk*

1107 Austin Ave N.E.
Atlanta 6, Ga.
Feb. 24, 1954

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

Dear Dr. Wiener

Last summer while at Baker House of M.I.T. for the Science Teachers program sponsored by Westinghouse, I was among the group who was privileged to meet you. Since then I have returned to my teaching in Bass High School in Atlanta. You were so helpful to the French exchange teachers in this group that I am writing for information about Cybernetics - that is how can it be explained to ninth grade students. Only the brightest can understand but they have great curiosity about the new developments in Science and Mathematics. Any help as to references, simple explanations or applications would be appreciated.

Sincerely yours

(Mrs) Frances W Hall
1107 Austin Ave N.E.
Atlanta 6, Ga.

[ans 4/19/54]

9

MAYO CLINIC
ROCHESTER, MINNESOTA

SECTION OF
BIOPHYSICS AND BIOPHYSICAL RESEARCH
EDWARD J. BALDES, PH. D.
J. F. HERRICK, PH. D.
MARVIN M. D. WILLIAMS, PH. D.
KENNETH N. OGLE, PH. D.
ALAN L. ORVIS, PH. D.

February 24, 1954

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

Dear Professor Wiener:

The Administrative Committee of the Professional Group on Medical Electronics, Dr. W. R. G. Baker, the Chairman of the Symposium, and Mr. L. G. Cumming, the Technical Secretary of the I.R.E., invite you most cordially to dinner on Tuesday evening, March 23, 1954. The dinner will be held at 6:00 P.M. in Suite 4V on the fourth floor of the Waldorf Astoria Hotel. It will be an outstanding occasion and a real privilege for us to have the opportunity of visiting with our speakers who have so generously responded to our invitation to present such interesting aspects of the communication characteristics of biological systems. We are indeed grateful to each of you.

We hope your trip to India did not make too great a demand on your time and energy. We appreciate, very much indeed, the great favor you are showing us in coming to New York after the strenuous and prolonged trip to India.

Sincerely yours,

J. F. Herrick
Secretary-Treasurer of the Professional Group on Medical Electronics

jfh/lh

[ans 3/1/54]



THE WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY

Shrewsbury, Massachusetts

February 24, 1954

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

Dear Prof. Wiener:

Thank you very much for accepting our invitation to speak before the Central Mass. Section of the Amer. Chem. Soc.

Would Monday, May 2, be a convenient date for you? The meetings are held at 8 p.m., usually at one of the Worcester colleges or at the Worcester Foundation. We would like to hold this meeting at the Foundation but the limited capacity of our meeting room may force us to have it elsewhere. In any event, this will be decided in March or April, when our estimate of the expected audience size will be clearer. I shall send all details then.

The talk will be informal and will not be published. We should like, however, to publicize it in the Worcester Engineering Society Bulletin and in the local newspaper. To that end, we need a title of the talk, a short summary of the points to be discussed, any biographical data you wish to include and, if possible, a photograph. The photo will be returned to you. Would you kindly send me this information before April 10th since it must be sent to the Bulletin before April 12th?

Sincerely yours,

Harold Levy

Harold Levy

HL/r

4

Emz 3/4/54]

UNITED STATES EDUCATIONAL COMMISSION FOR FRANCE
9, RUE CHARDIN
PARIS 16^e

TROCADERO 46-54

CABLE ADDRESS
"USED COM" PARIS

February 24n 1954

Mrs. James Cole
Secretary to Professor Wiener
Massachusetts Institute of Technology
Cambridge 39
Mass.
U.S.A.

Dear Mrs Cole;

We were extremely interested to hear that Professor Wiener is writing a "Treatise on Cybernetics" and should appreciate very much receiving a copy of it when it is published.

Also sounds interesting the first volume of Professor Wiener's autobiography and we shall write to Simon and Schuster to receive it.

Our Fulbright Documentation will be comprised of articles and publications as well as books. Therefore, we should appreciate receiving the articles published by Professor Wiener, specially those relating to his research in France.

Sincerely yours,

Ed Morot-Sir.

Edouard Morot-Sir.
Executive Officer.

3/16/54

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MB/-

Les machines
A New Form
Problems of
The Concept
Optics and

UNITED STATES EDUCATIONAL COMMISSION FOR FRANCE

9, RUE CHARDIN

PARIS 16^e

PROCEDE 46-24

PARIS 16^e

Monsieur le Professeur
Monsieur le Professeur
Monsieur le Professeur

Dear Sirs:

We were extremely interested to hear that Professor
Wasser is writing a "Treatise on Optics" and should
appreciate very much receiving a copy of it when it is
published.

Also would be interested in the first volume of Professor
Wasser's bibliography and we shall write to him and request
to receive it.

Your bibliography documentation will be accepted of articles
and publications as well as books. Therefore, we should request
state receiving the articles published by Professor Wasser,
especially those relating to his research in France.

Sincerely yours,

Executive Director

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

2/25 19 54

Memo to..... Room.....

"Some Maxims - - -"

To Prof. Clyde Kuchohn
16 Dunster St, Cambridge

from..... Room.....

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Linn

UNIVERSITY OF MICHIGAN
ANN ARBOR
DEPARTMENT OF ECONOMICS

February 25, 1954

Dr. Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Dr. Wiener:

It was a real privilege for me to meet you last week, and while I am disappointed that you can not visit us, I am fully sympathetic with your desire for a period of uninterrupted work. May I say that I have found your writings among the most stimulating that I have read in recent years, and they have had a profound effect on my whole intellectual development, even in the humble capacity as an economist.

Yours sincerely,

Kenneth Boulding

Kenneth E. Boulding

KEB:sm

Mrs. E.R. MAEXIE
415 West 120 Str.
New York 27, N.Y.

February 25, 1954.

Dear Professor Wiener,

I am sending this "to-whom-it-may-concern" message to several American scientists and it would seem logical that it should concern you more than others. Yet it is possible for the illogic of the self-restrictions of atheistic materialism that you would not be concerned with the UNIVERSALISTIC SYNTHESIS.

The UNIVERSALISTIC SYNTHESIS is "biggest and best" but of course there are all sorts of half-way compromises better than the analytical disintegration of materialistic science and yet not reaching up to the ideal of universal reintegration of human knowledge.

One thing is certain, that on the basis of the "thinking animal theory" not even the most basic problems of radio-aesthesia can be explained, because here the "human use of human beings" demands the full accomplishment of human spirituality also.

I must confess that in reading your books I am at a loss to understand if, with all that enormous knowledge and universal background you display and the logic of your thinking which permits you to understand so many problems the rest do not seem to even be aware of, you are just kidding the reader by taking him for a moron, or if, like a dope addict you just have an "obsession" for atheistic materialism and try to force into the straight-jacket of that theory the facts which it cannot contain about human being and its "spiritual communications" ?

So I see three possibilities :

- 1.) that you will not be interested and tell me so - or give no answer at all;
- 2.) that you will be partly interested in the new fact-findings through radio-aesthesia yet not interested in the universalistic interpretation, which would give a limited possibility of cooperation;
- 3.) that, after all, you are a perfectionist and ready to study the universalistic interpretation and give it a fair comparison with the materialistic and other theories of interpretation. In this case a wide cooperation might be possible.

So it is up to you.

II.

I, for my part, have long been wanting to do some experimentation and present some problems to study for a mathematician of your type. I was told that the curves of the pendulum are "authentic curves" or whatever you call them, and so I could imagine that the mere study of the mathematical aspect of the different curves which the pendulum makes corresponding to different phenomena, a first step might be made to integrate scientifically the harmonic aspect with the motion aspect of radio-aesthesia.

This is merely one of my many problems, but it might be a cue for a mathematician to discover the "sound"-phenomena in cosmic radiations?

Therefore, even if by a priori we should make an agreement not to bother, and especially not to quarrel, about interpretations, some cooperation might be interesting for both of us. I am recognized to be a "Mount Palomar" instrument of radio-aesthesia that is why I should like to find some firstclass scientists to "operate" with me.

So in case you should be interested -partially or totally - and should as yet have NO knowledge about RADIESTHESIA and TELERADIESTHESIA you would have to study a little and I would have to get through some more information to you before we could do any experimentation. I might come up to Boston for a few days, or you could let me know, when you come to New York. I live next to Columbia University.

I think it all depends if you really mean what you say in the Introduction to CYBERNETICS about confining your personal efforts to fields remote from war and exploitation? What border-research through radio-aesthesia brings, is exact SCIENTIFIC KNOWLEDGE and NOT technological know-how.

I am sure you could do a very beneficial job for the world of "Gelsen and Hiroshima" in thus advancing true "scientific knowledge", but of course this depends on the measure in which you can free yourself from "scientific prejudice": the DOGMA of the SACRED COW?

Please excuse my intruding in case you are not interested.

Sincerely yours

J. R. Maxie

February 25, 1954

Dear Dr. Weiner,

Please visit me and talk to me.

My mathematical abilities are on a "par" with Srinivasa Ramanujan. I hope to be and am a Euclid of hyper-modern mathematics.

My prime aim in life is to prove mathematics criminal. I am a Quaker in good standing and a good friend of Professor and Mrs. Stefel, of University of Minnesota (Dubbed, by me; U of - Mathematics) history Department and 1st Unitarian Church.

My life is endangered. I am a Karmayoga. My 2 brothers are: 1) a Hathayoga; 2) a Karmayoga. My heart will stop beating if I cannot teach Camp Aurbreze Math Course at the University of Minnesota (Mathematics) next quarter - a course fringing on social work, my former major, and interrelating science and education.

You may be the only person who can communicate with ~~my~~ U of M math. department. I have laboriously been getting "C"'s in my stupid math. courses: because of memory, communication, motivation problems.

When I was at the Encampment for Citizenship in New York, I met MIT math. - major - to - be David Ward. You may know him..

I am a sophomore - and was exempted from all English requirements: my mistakes are certainly intentional.

Please at least write.

Sincerely your friend,
David Stanberry

Apt. 5
1214 4th St. S.E.
Minneapolis 14, Minnesota

February 25, 1954

Idlewild Airport
Lost and Found Department
New York City, N. Y.

Gentlemen:

Professor Wiener would like to know if any
trace has yet been found of his gabardine
overcoat with the zip-in wool lining?

Sincerely yours,

Mrs. James Cole
Secretary to Professor Wiener

February 25, 1954

Miss Christina Seltzer, Secretary
Computer Division
Consolidated Engineering Corporation
300 North Sierra Madre Villa
Pasadena 15, California

Dear Miss Seltzer:

Professor Wiener's talk on the "Theory of Prediction" will be published sometime this year by McGraw Hill, in a volume entitled Mathematics for Modern Engineering.

Other than this, there will be no copies of the paper available.

Sincerely yours,

Mrs. James Cole
Secretary to Professor Wiener

February 25, 1954

Mr. Robert Vallee
2 rue Mabillon
Paris 6, Francis

Dear Mr. Vallee:

Professor Norbert Wiener has shown me your correspondence concerning your application for a fellowship in the Foreign Student Summer Program here. We think that it would be very nice if you could come here for the summer. As you know, the selection of fellows in this program is done by the Student Committee. I also understand that the Committee has a fixed quota not for each field but for each country. I am sure that the Committee will give careful consideration to your application. May I extend my personal hope that you will be able to come.

Very sincerely yours,

W.T. Martin

maf

EIGHTY-THIRD CONGRESS

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JESSE P. WOLCOTT, MICH.
ANGIER L. GOODWIN, MASS.
WAYNE L. HAYS, OHIO
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TELEPHONE:
METROPOLITAN 8-4463

CONGRESS OF THE UNITED STATES
HOUSE OF REPRESENTATIVES

SPECIAL COMMITTEE TO INVESTIGATE TAX EXEMPT FOUNDATIONS
(HOUSE RESOLUTION 217)

ROOM 103, 131 INDIANA AVENUE NW.
WASHINGTON 25, D. C.

February 26, 1954

RENÉ A. WORMSER
GENERAL COUNSEL

ARNOLD T. KOCH
ASSOCIATE COUNSEL

NORMAN DODD
RESEARCH DIRECTOR

JOHN MARSHALL, JR.
CHIEF CLERK

9

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

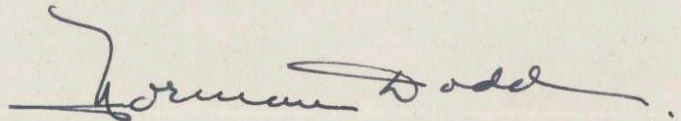
Dear Dr. Wiener:

It has been brought to our attention
that CYBERNETICS derived great assistance
from Foundations during its formative stages.

Could you tell us if your most inter-
esting book on this subject and bearing the
same title was made possible by a Foundation
grant?

In appreciation of whatever reply you find
time to make, I am,

Very sincerely yours,



Norman Dodd
Research Director

[ans 3/15/54]

DOUBLEDAY & COMPANY, INC., Publishers



575 MADISON AVENUE, NEW YORK 22 - MURRAY HILL 8-5300

February 26, 1954

Dear Professor Wiener:

Mr. Epstein is still in Europe, so he can't answer your letter. However, I think that India is just about the most interesting country in the world today, and I think Jason thinks so, too, so if I were you I would have no hesitation about writing up your Indian trip. It sounds really fascinating.

Sincerely yours,

A handwritten signature in cursive script, appearing to read 'Nathan Glazer', written over a large, sweeping horizontal flourish.

Nathan Glazer
Editor
ANCHOR BOOKS

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

NG:nr

27 February, 1954

Professor Norbert Wiener
Department of Mathematics
Massachusetts Institute of Technology
Cambridge (Massachusetts)

Dear Professor Wiener:

Recently, I wrote to the High Commissioner of the French Atomic Energy Commission to inquire into the possibility of working there next year (September, 1954) as a mathematician with the rank of "stagiaire". The reply, although stating that in general only French citizens are considered for this position, was encouraging; in fact, they requested further information concerning my studies in order that they might consider my case more completely before submitting it to their committee. I foresee a prolonged correspondence with these gentlemen, for our governmental red-tape is rather pale compared to theirs! However, it will have been worth the effort if I succeed. Next summer I am returning to France to be married and I should like very much to spend a few years there — a plan that can be realized only if I find suitable employment. I believe that my services could be used profitably at the Commissariat in virtue of my qualifications as mathematician and the fact that I speak French, as well as English.

I should be very grateful if you would write to the Commissariat a letter in my behalf. The address is:

Monsieur Le Haut Commissaire à l'Énergie Atomique
69, Rue de Varenne, Paris (7^e) FRANCE.

Respectfully,
Georges Dubé

156 Sherman Street
Belmont (Mass.)

BE 5-0184

(2)

(3)

[ans 3/4/54]

DB/555

27 February 1954

Dear Prof. Wiener,

My wife and I are very glad to receive your letter of February 17th and to know that you are back in your own home. We are also glad to know that your wife and your daughter liked the articles which you took with you from India.

I have explained to you how eager we are to have you and your wife in India for a year or so. We hope to be able to make necessary arrangements for this purpose at any time that would suit your convenience, and I shall look forward to hearing from you in this matter at the appropriate time.

I came to Calcutta from Delhi about 10 days ago, and I am again leaving for Delhi today. I am therefore writing in a great rush.

With kind regards and best wishes from Rani and myself,

Yours sincerely,

P. C. Mahalanobis

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

(1)