

276

CORRESPONDENCE

March, 9-21, 1960

N. WIENER MC 22

ETHICAL SOCIETY of ST. LOUIS

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March 9, 1960

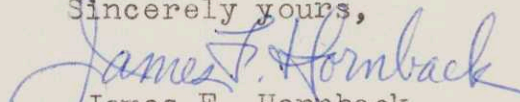
Dear Dr. Wiener:

The Post-Dispatch reprint of your recent article on "The Duty of the Intellectual" from Technology Review, reminds my wife and me of the fine conversations we had with you and Mrs. Wiener at the Hotel d'Angleterre in 1951, and the open invitation we gave you to address our Ethical Society some day. An elaboration on this theme would make a wonderful Ethical address, and fill in our program with your very special expertness.

We have a small endowment which enables us to bring a "name" guest to our Sunday morning platform about once a month. (This month's guest is that former Bostonian, John Ciardi.) Through the idealism of the guest, and our constant searching for en route and tie-in engagements, we are able to schedule one a month at net honorarium of about \$100. In your case, we would be happy to add the cost of round-trip transportation from Boston, plus layover expenses, if that were necessary. Next season (October through May) is now wide open. You could practically pick your date. ^{For} En route engagements, even this spring, we would be most adaptable to your convenience. In any case, keep up the good work!

Our best wishes to Mrs. Wiener.

Sincerely yours,


James F. Hornback

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

[ans 3/18/60]

March 9, 1960

The Bollingen Foundation
140 East 62nd Street
New York 21, N.Y.

Gentlemen:

Professor Giorgio de Santillana of M. I. T. has asked me to endorse his application for a grant to complete a book that is already two-thirds done, on the relations between artistic and scientific thought in the Renaissance. Professor de Santillana is a very learned man who is an authority on both these aspects of the Renaissance thought. He is witty and intelligent and any book that he does in this matter will be well worth reading. He is particularly an authority on Galileo, but he is equally acquainted with the thought and the artistic and intellectual position of all the great men of the Renaissance and has a lively knowledge of the history of science, art, letters, and civilization in general.

Sincerely yours,

Norbert Wiener

NW/emr

March 9, 1960

Miss Joan Burczyk
Public Relations Assistant
American Society of Tool and Manufacturing Engineers
10700 Puritan Avenue
Detroit 38, Michigan

Dear Miss Burczyk:

As time is drawing near of the 1960 ASTM Research Medal Award to Professor Wiener, I thought that in trying to prepare Prof. Wiener's trip, I might turn to you for a little assistance.

Although detailed data as to when Prof. and Mrs. Wiener will arrive in Detroit are not immediately available, it is certain that they will arrive in Detroit on the night of April 22nd and will need a room with twin beds and bath (good accommodations). They will also stay over the night of the 23rd and will require an additional single room (minimum cost) either connecting with their own room or separately, with bath, for the night of the 23rd of April.

I should appreciate very much any help you can give us with this. Perhaps you could get in touch with the respective hotel and make an arrangement. I shall definitely let you know of the exact time of Prof. Wiener's arrival as soon as I know.

Sincerely yours,

Eva-Maria Ritter (Mrs.)
Secretary to Prof. Wiener

Enclosure

March 9, 1960

Lt. Col. E. I. Jackman
Director
Administrative Services
HQ AF Ballistic Missile Division
USAF
Air Force Unit Post Office
Los Angeles 45, California

Dear Sir:

I am enclosing a copy of the special orders for Professor Wiener pertaining to his talk at the AFBMD Technical Information Conference in Arlington and photostatic copies of each of the three bills which incurred during that trip (Airplane fare, railway and hotel costs).

As he left for Washington on the 1st of March and did not return until the early morning of the 4th, I take it he may take advantage of the flat per diem rate of \$15.00 a day, as is stated in the orders issued to him. There were also three telephone calls connected with his trip to Washington, but as the bills have not yet been received, I shall have to send them to you at a later date. Should Professor Wiener be entitled to a fee for his talk, I should like to mention that he spent one full day in conference.

I am attaching an itemized bill. Thank you for your cooperation.

Sincerely yours,

Eva-Maria Ritter (Mrs.)
Secretary to Prof. Wiener

Enclosures

Bills Incurring on Prof. Wiener's Trip to Washington

Hotel Room at the Shoreman, Wash.		26.78
Airplane Fare		30.36
Railway Fare		22.00
Taxi Fares		11.40
(Belmont to Logan Airport, Boston	4.50)	
(Hotel to Airport -- Washington	4.40)	
(Airport to Railway Station	2.50)	
	<u>11.40</u>	
		<u>\$ 90.54</u>

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								WASHINGTON				
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(2.) (a) Carriage hereunder is subject to the rules and limitations relating to liability established by the Convention for the Unification of Certain Rules relating to International Carriage by Air, signed at Warsaw, October 12, 1929 (hereinafter called "the Convention") unless such carriage is not "international carriage" as defined by the Convention. (See carrier's tariffs, conditions of carriage for such definition). Carrier's name may be abbreviated in the ticket, the full name and its abbreviation being set forth in carrier's tariffs, conditions of carriage, regulations or timetables; and carrier's address shall be the airport of departure shown opposite the first abbreviation of carrier's name in the ticket; and for the purpose of the Convention the agreed stopping places (which may be altered by carrier in case of necessity) are those places, except the place of departure and the place of destination, set forth in this ticket and any junction ticket issued herewith, or as shown in carrier's timetables as scheduled stopping places on the passenger's route.

(b) To the extent not in conflict with the foregoing, all carriage hereunder and other services performed by each carrier are subject to (i) applicable laws (including national laws implementing the Convention or extending the rules of the Convention to carriage which is not "international carriage" as defined in the Convention), government regulations, orders and requirements; (ii) provisions herein set forth; (iii) applicable tariffs; and (iv) except in transportation between a place in the United States and any place outside thereof, and also between a place in Canada and any place outside thereof, conditions of carriage, regulations and timetables (but not the time of departure and arrival therein) of such carrier, which are made part hereof and which may be inspected at any of its offices and at airports from which it operates regular services.

(c) Unless expressly so provided, nothing herein contained shall waive any limitation of liability of carrier existing under the Convention or applicable laws.

(3.) Insofar as any provision contained or referred to herein may be contrary to a law, government regulation, order or requirement, which severally cannot be waived by agreement of the parties, such provision shall remain applicable and be considered as part of the contract of carriage to the extent only that such provision is not contrary thereto. The invalidity of any provision shall not affect any other part.

(4.) Subject to the foregoing: (a) liability of carrier for damages shall be limited to occurrences on its own line, except in the case of checked baggage as to which the passenger also has a right of action against the first or last carrier. A carrier issuing a ticket or checking baggage for carriage over the lines of others does so only as agent. (b) Carrier is not liable for damage to passenger or unchecked baggage unless such damage is caused by the negligence of carrier. (c) Carrier is not liable for any damage directly and solely arising out of its compliance with any laws, government regulations, orders or requirements, or from failure of passenger to comply with same. (d) Any liability of carrier is limited to 250 French gold francs (consisting of 655 milligrams of gold with a fineness of nine hundred thousandths) or its equivalent per kilogram in the case of checked baggage, and 5,000 such French gold francs or its equivalent per passenger in the case of unchecked baggage or other property, unless a higher value is declared in advance and additional charges are paid pursuant to carrier's tariffs or regulations. In that

event the liability of carrier shall be limited to such higher declared value. In no case shall the carrier's liability exceed the actual loss suffered by the passenger. All claims are subject to proof of amount of loss. (e) Any exclusion or limitation of liability of carrier under these conditions shall apply to agents, servants or representatives of the carrier acting within the scope of their employment and also to any person whose aircraft is used by carrier for carriage and his agents, servants or representatives acting within the scope of their employment.

(5.) Checked baggage carried hereunder will be delivered to the bearer of the baggage check upon payment of all unpaid sums due carrier under carrier's contract of carriage or tariff.

(6.) When validated, this ticket is good for carriage from the airport of the place of departure to the airport of the place of destination via the route shown herein and for the applicable class of service and is valid for one year from the date of commencement of flight except as otherwise provided in carrier's tariffs or regulations. Each flight coupon will be accepted for carriage on the date and flight for which accommodations have been reserved; when flight coupons are issued on an "open date" basis, accommodations will be reserved upon application subject to availability of space.

(7.) Carrier undertakes to use its best efforts to carry the passenger and baggage with reasonable dispatch, but no particular time is fixed for the commencement or completion of carriage. Subject thereto, carrier may without notice substitute alternate carriers or aircraft and may alter or omit the stopping places shown on the face of the ticket in case of necessity. Times shown in timetables or elsewhere are approximate and not guaranteed, and form no part of this contract. Schedules are subject to change without notice. Carrier assumes no responsibility for making connections.

(8.) The passenger shall comply with all government travel requirements, present all exit, entry, and other documents required by the law, and arrive at the airport by the time fixed by carrier or, if no time is fixed, sufficiently in advance of flight departure to permit completion of government formalities and departure procedures. Carrier is not liable for loss or expense due to passenger's failure to comply with this provision.

(9.) No agent, servant or representative of carrier has authority to alter, modify or waive any provision of this contract.

(10.) (a) No action shall lie in the case of damage to baggage, unless the person entitled to delivery complains to the carrier forthwith after the discovery of the damage, and, at the latest, within seven days from the date of receipt; and in the case of delay, unless the complaint is made at the latest within 21 days from the date on which the baggage has been placed at his disposal. Every complaint must be made in writing and dispatched within the times aforesaid. Where carriage is not "international carriage" as defined in the Convention, failure to give notice shall not be a bar to suit where claimant proves that (i) it was not reasonably possible for him to give such notice, or (ii) that notice was not given due to fraud on the part of carrier, or (iii) the management of carrier had knowledge of damage to passenger's baggage.

(b) Any right to damages against carrier shall be extinguished unless an action is brought within two years reckoned from the date of arrival at the destination, or from the date on which the aircraft ought to have arrived, or from the date on which the carriage stopped. The method of calculating the period of limitation shall be determined by the law of the court seized of the case.

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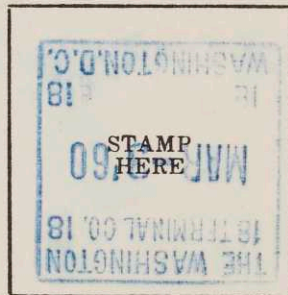
To Boston, Mass.

Form 033 No. 17000

A. J. KLEIN, Ticket Agent

Ticket Agent

Date _____, 19_____



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 53 CEDAR RD
 BELMONT MASS TG

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 ST 39
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 The SHOREHAM
 Washington, D.C.

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	2	MAR-2-60 L'DIST	* 0.94		* 14.33
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March 9, 1960

Mr. Robert W. Kastenmeier
2d District Wisconsin
1725 House Office Building
Congress of the United States
House of Representatives
Washington, D. C.

Dear Mr. Kastenmeier:

Thank you for your invitations of December 2 and February 4 to participate in writing the liberal Syllabus you have planned to do, and to which, I am sorry to say, I have not had time to give proper attention.

I am particularly agitated now concerning the compartmentization of scientists both by the piecemeal method of formulation of both government and industrial projects and by the more specific restrictions not only of what is called restricted information in the narrow sense, but by the need to know requirements imposed over and above this in government contracts. As a matter of fact, as soon as I have my desk reasonably clean, I shall write an article on this subject for the Technology Review which I shall further submit, at their request, to the Saturday Review of Literature. When this comes out, I shall be glad to forward a copy to you to use as you see fit. I think this is a more effective way of my contributing to the purpose at hand than that of writing a special report directly addressed to you and limited to the audience to which you will probably wish to diffuse it.

Sincerely yours,

Norbert Wiener

NW/emr

[and 3/16/60]

March 9, 1960

Prof. Lee Lorch
Department of Mathematics
University of Alberta
Edmonton, Alberta
Canada

Dear Prof. Lorch:

I am quite out of touch with tauberian theorems or Hausdorff methods. The two great sources of more recent material on tauberian theorems are the book by Pitt which appeared recently under the imprint of the Oxford University Press but was printed in India and constitutes his Bombay lectures, and furthermore, a recent article by Watzlav Denish which I have a manuscript from and which either has recently been reviewed in Mathematical Reviews or will soon appear there.

I am sorry that it took such a long time to answer your letter, but I have been quite busy. I regret also that at this time I cannot be of more help.

Sincerely yours,

Norbert Wiener

NW/enr

March 9, 1960

Mr. Harry N. Rosenfield
1735 De Sales Street, N. W.
Washington 6, D. C.

Dear Mr. Rosenfield:

While I do not have an index of the literature in my mind, I am most convinced that a knowledge of the history of science is absolutely necessary for those scientists, university administrators, historians and others who wish to be able to judge the scientific and social occurrences of the present by some standard less evanescent than the immediate fashion. My own work, as you point out, has its roots in the ideas of Leibnitz, and not so much in his positive dicta concerning what was sort of 17th century information theory as in the questions which he thought it incumbent upon himself to ask. If we are to approach the breadth and fertility which modern science must have to be fitly compared with the great age of the 17th century, we must not only have a curiosity as to the thought and the motives of the scientists of that time but most likely emulate them in going back even to the ancients and in placing our thought in its proper position in a long chain of historical development.

Sincerely yours,

Norbert Wiener

NW/emr

March 9, 1960

Prof. John T. Rule
7-133
M.I.T.

Dear Prof. Rule:

If I have anything particularly funny to say at any time, I shall be glad to give VOO DOO the advantage of it. However, your request puts me in mind of the impresario who says angrily to the man wishing a place on his show, "So you are a funny man, are you -- well, make me laugh." I am not saying this in any nasty way, but simply to indicate that it is hard, and for me impossible, to be funny to order.

Sincerely yours,

Norbert Wiener

NW/emr

March 9, 1960

Mr. Herbert Weisinger
Editor
The Centennial Review
204 Morrill Hall
Michigan State University
East Lansing, Michigan

Dear Mr. Weisinger:

Your request for an article for the Centennial Review reaches me at a time when I am busy finishing the revision of my "Cybernetics" and when I have several other calls on my literary work. However, as the deadline is March 1, 1961, I ought to be able to give you an article long before then.

I suggest as a theme a matter which I have discussed rather recently with Dr. Lawrence Frank; namely, the relation of the general normal duties of the human being at large and the specific duties of integrity incumbent on a man fulfilling a definite and necessary though perhaps not universal function in our society such as the teacher, the scholar, the doctor and the soldier. In my opinion, by a lack of realization that there are specific duties belonging to specific social functions as well as the general duty of the citizen, we are diluting our ethics to the vanishing point and are paying, and shall pay even more in the future, a heavy price for this dilution.

Sincerely yours,

Norbert Wiener

NW/emr

[ans 3/15/60]

WÖRTERBUCH DER SOZIOLOGIE

HERAUSGEGEBEN VON
DR. WILHELM BERNSDORF UND PROF. DR. FRIEDRICH BÜLOW

FERDINAND ENKE VERLAG STUTTART

REDAKTION:
DR. WILHELM BERNSDORF

BERLIN-CHARLOTTENBURG 9, 10. März 1960
FREDERICIASTRASSE 27/IV
TELEFON: 924694

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

Sehr geehrter Herr Professor Wiener,

Ich danke Ihnen sehr für Ihre freundliche Nachricht vom 7. März und für das Interesse, das Sie der neuen Ausgabe des soziologischen Wörterbuchs entgegenbringen. Eben dieses Interesse ermutigt mich, Ihnen gleich heute noch einmal zu schreiben, obwohl Sie mich bitten, bis ins spätere Frühjahr damit zu warten.

Natürlich verstehe ich es sehr gut, daß Sie angesichts eigener wichtiger Arbeiten zögern, eine neue Verpflichtung zu übernehmen, möchte Sie jedoch bitten, auch meine etwas schwierige Lage zu verstehen. Wenn ich mich erst gegen Frühlingsende wieder an Sie wende, ohne die Gewißheit zu haben, daß wir dann zu einer glücklichen Einigung kommen, so bedeutet dies für mich möglicherweise den Verlust von zwei oder drei Monaten, der sich recht hemmend auf die Planung unseres Sammelwerks auswirken könnte. Ich habe deshalb nach einem Ausweg gesucht, nach einer Lösung, die Ihnen und meinen Nöten gleichermaßen gerecht wird: Würde es Ihnen den Entschluß, die Mitarbeit jetzt schon anzunehmen, erleichtern, wenn wir den Stichtag für die Ablieferung der beiden Artikel bis zum Jahresende hinausschöben?

Bitte, prüfen Sie doch meinen Vorschlag. Mir liegt sehr viel an Ihrer Mitarbeit, und ich würde mich sehr freuen, wenn Sie diese Lösung annehmbar fänden.

Mit den besten Empfehlungen

Ihr sehr ergebener

Wilhelm Bernsdorf

[ans 3/18/60]

THOMAS C. DESMOND
94 BROADWAY
NEWBURGH, NEW YORK

MEMBER OF NEW YORK STATE SENATE
1930-1958

March 10, 1960

Professor Norbert Weiner
Massachusetts Institute of Technology
Cambridge, 39
Massachusetts

Dear Professor Weiner:

On last Monday, in Cambridge, in connection with my duties as a life member of the Corporation of the Massachusetts Institute of Technology, I visited some of the laboratories of the Communication Sciences of the Massachusetts Institute of Technology.

Your name, during this visit, was mentioned so often as an outstanding pioneer in communication sciences that I feel impelled to send to you this letter of appreciation for your great contributions to this important branch of advancing science.

Again expressing my appreciation for the copy of "The Tempter" which you so kindly presented to me several weeks ago and hoping that this novel will have the *WIDE DISTRIBUTION* which its message so richly deserves, I am,

Sincerely yours,

Thomas C. Desmond

AUFBAU RECONSTRUCTION

An American Weekly

Published in New York City by the New World Club, Inc.

MANFRED GEORGE, EDITOR

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March 10, 1960.

Professor Norbert Wiener
Massachusetts Institute of
Technology
Cambridge, Mass.

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Dear Professor Wiener:

May we again take advantage of the help and cooperation you have always extended to us?

In April, we shall publish a special issue on the occasion of the 25th anniversary of Aufbau. It will comprise several sections, among them one discussing the future of automation. So far, we have received an article from Professor Frederick Pollock for this symposium, entitled "Social Danger of Automation", one by Professor Georges Friedman (Paris) about some "Effects psychosociologiques" and one by Colonel Arnade on "The Problem of Automation in U.S.A."

It occurred to us in this connection that you might have discussed the future of automation in your forthcoming book. If so, could you possibly let us have an excerpt? We should be most happy to present to our readers an outline of your ideas on this important subject.

Thank you ever so much.

Cordially,

Manfred George
Editor.

MG:ma.

[ans 3/18/60]

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PUBLISHERS OF SCHOOL TEXTBOOKS • 330 EAST CERMAK ROAD • CHICAGO 16

March 10, 1960

Dr. Norbert Wiener
Massachusetts Institute of Technology
77 Massachusetts Ave.
Watertown, Massachusetts

Dear Dr. Wiener:

Since I first saw the report of your work on cybernetics in TIME January 11th past I have had it in mind to write you.

Regardless of the accuracy or inaccuracy of the report, I am hopeful that the essential nature of your work has a bearing on a very vital interest of mine.

For a long time now I have been concerned about the sloppu, slipshod, unscientific way our economy has at arriving at prices, wages and even more profit as far as the total economy is concerned. As you know each industry and the employees of that industry work out separate wage and price agreements within the industry without thought of the economy as a whole. This has been the pattern up to now, however, it seem imperative that we find some reliable scientific formula[†] for arriving at just profits, prices and wages as far as the total economy is concerned, I believe we must do this if we are to survive and if we want the present economic system to survive.

The means of working out this formula it appears to me are presently in your hands. I would welcome a chance to discuss just what I mean by this.

† which would also preserve freedom

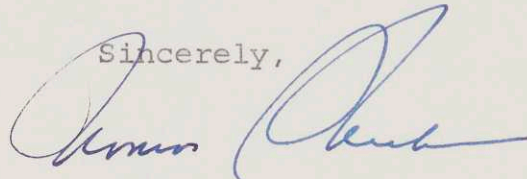
Dr. Norbert Wiener

March 10, 1960

If your work brings you to Chicago any time soon I would be pleased to meet with you here. If this is not likely then I would be interested in initiating a correspondence on the matter until such a time as it would be mutually convenient for a person to person meeting. I trust such a correspondence will be agreeable with you.

Hoping to hear from you and thanking you for your interest thus far, I am,

Sincerely,

A handwritten signature in blue ink, appearing to read 'Tom Sheehan', with a large, stylized flourish at the end.

Thomas R. Sheehan

TRS:nc

[ans 3/28/60]

DR. HANS SYZ
THE LIFWYNN FOUNDATION
WESTPORT, CONNECTICUT

March 11, 1960

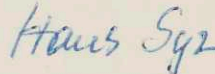
Dr. Norbert Wiener
Department of Mathematics
Massachusetts Institute of Technology
Cambridge
Massachusetts

Dear Dr. Wiener:

I am sending you separately a paper on value problems in which I attempt to arrive at unifying formulations from the background of the behavior studies introduced by Trigant Burrow. An abridged version of this article will eventually appear in the International Journal of Group Psychotherapy, but I thought you might be interested in having a copy of this fuller statement.

I would welcome any criticism or suggestions which may occur to you with regard to this material.

Sincerely yours,



Hans Syz, M.D.

HS:bb

March 11, 1960

Prof. L. S. Bryant
Technology Press
14N-325

Dear Bryant:

I am sending this letter to you for what it is worth. I am unable to take any strong attitude towards it one way or the other.

Sincerely yours,

Norbert Wiener

NW/emr

P. S. Thank you very much for the four copies of the Gabor "Inaugural Lecture".

March 11, 1960

Mr. Jason Epstein
Editor
Random House, Inc.
457 Madison Avenue
New York 22, N.Y.

Dear Jason:

The reason I have not answered you is that I want first to write out an abstract or scenario of the book for Azimov and for you. I happen to be in a critical period now with the revision of my "Cybernetics", and I have not been able to get around to it. In a week or two, I will have this off my chest, and I shall go back to the novel.

Many thanks for your kind and sympathetic letters.

Sincerely yours,

Norbert Wiener

NW/emr

UNIVERSITY OF MICHIGAN

ANN ARBOR

SUMMER SESSION

HAROLD M. DORR, DIRECTOR

N. EDD MILLER, ASSOCIATE DIRECTOR

March 14, 1960

Professor Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Professor Wiener:

Each year The University of Michigan in its Summer Session presents a program of interest to the overall University community, the students, faculty and townspeople. These lectures and other events are open to the public without charge, and contribute to the educational objectives of the University. With the opening of a new decade there has been wide speculation on the economic aspects of what lies ahead. Using Economic Change as the core of the Program, this summer we shall discuss "The Social Implications of Economic Change", giving a broad base from which the Program can explore certain significant aspects of this rather awesome subject. Tentatively we have agreed to limit our field to such topics as the relation of Economic Change to Education, Science and Technology, Old Age and Retirement, Political Affairs, the Support of the Arts, Health and Population Growth.

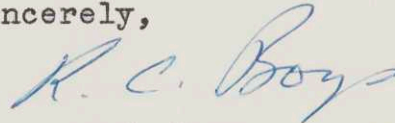
I am writing to ask if you would be willing to give a lecture in our series? The general topic would be something along the lines of Economic Change and Science and Technology, but within that subject you would have a good deal of freedom and could do almost anything you want. Specifically, we would ask you to give a lecture of about an hour, at 4:10 p.m., on a Tuesday or Wednesday during the Summer Session. The dates I would suggest are: June 28 or 29, July 5 or 6, or August 2 or 3. Since we are building our Program around seven lectures, I would appreciate if you would give me two or three possible dates. We would also hope that you would be willing to meet informally with some other group, possibly with a panel of two or three people from the faculty, or with students. This could all be worked out later in consultation with you. While our budget is somewhat limited, I can offer you \$350, out of which you would pay your own expenses.

I realize that we are late getting started on this Program, so if you have any questions that a phone call would take care

Professor Norbert Wiener

of, please don't hesitate to call me collect. The University number is NOrmancy 3-1511, and my English Department extension is 2251; my home phone is NOrmandy 2-0189. You can get me at either number.

Sincerely,



Richard C. Boys
Chairman "Social Implications
of Economic Change", and
Professor of English

RCB:pk

My return address is:

2622 Haven Hall
University of Michigan
Ann Arbor, Michigan

UNIVERSITY OF NEW HAMPSHIRE
DURHAM, NEW HAMPSHIRE

THE VICE-PRESIDENT AND PRODOST

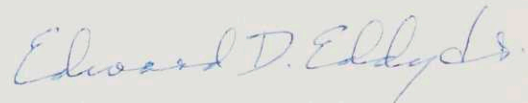
March 14, 1960

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

Dear Dr. Wiener:

I'm delighted to learn that you feel the schedule we suggested is in order. Is there a special place where you would like to be picked up by our University car at 3:30 p.m. on Monday the 28th? Perhaps you'd rather drive up here yourself. If so, we'll be glad, of course, to pay the mileage. I suggested the University car because I thought it might be more convenient for you.

Cordially,



Edward D. Eddy Jr.

EDE: mh

[ans 3/21/60]

JOHN. C. H. M'CARTHY.
P.O. RIVERVIEW.

ZULULAND

NATAL.

SOUTH AFRICA.

14th MARCH 1960.

Dear Sir,

I am writing to enquire if you can advise me as to where I can obtain a copy of your book "Cybernetics."

I have tried in vain for a very long time to get a copy, invariably I am informed that it is out of print or unobtainable etc.

From time to time I have read extracts from the book & they have been just sufficient to whet the appetite for more, but unfortunately the appetite remains unsatisfied because of the difficulty in getting the book.

As I am an Instrument Engineer with quite a few years experience, my interest in Cybernetics is professional as well as academic.

With present day complex instrument control here where I am employed in a large & progressive sugar mill & refinery, I am already finding it necessary to give some consideration to the psychology of instrumentation, mainly in trying to show that instrument control is better than human control in most cases & that instruments are faithful & tireless assistants rather than "policemen"

In view of the above I feel that the information contained in your book would help me to progress still further in applied cybernetics or instrumentation, so I sincerely hope you can advise me as to the means of obtaining a copy.

Yours Truly,

John C. H. M'Carthy.

[Ans 3/23/60]

LUGPOS

AIR MAIL

PAR AVION

**LUGBRIEF
AIR LETTER
AÉROGRAMME**



PROFESSOR. NORBETT WIENER.

90. MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

MASSACHUSETTS

UNITED STATES OF AMERICA.

DAAR MAG NIKS BY 'N LUGBRIEF
INGESLUIT WORD NIE; AS ENIGIETS
WEL INGESLUIT WORD, SAL DIE
BRIEF BEBOET OF PER LANDPOS
AANGESTUUR WORD.

AN AIR LETTER SHOULD NOT
CONTAIN ANY ENCLOSURE; IF
IT DOES IT WILL BE SURCHARGED
OR SENT BY SURFACE MAIL.

Addisionele posseëls moet op hierdie vorm
geplak word indien dit na sekere bestem-
mings in die buiteland geadresseer word.
Vra by die poskantoortoonbank.

Additional postage stamps must be affixed to
this form if it is addressed to certain
destinations abroad. Ask at the post
office counter.

EERSTE YOU—FIRST FOLD

NAAM EN ADRES VAN AFSENDER
SENDER'S NAME AND ADDRESS

JOHN. C. H. MCCARTHY.

P.O. RIVERVIEW.

ZULULAND. NATAL.
SOUTH AFRICA.

TWEDE YOU—SECOND FOLD

Sny hier oop—To open cut here

13/-



Herrn
Prof. Norbert Wiener

Massachusetts Institute of Technology
Cambridge 39, Mass.

14. 3. 60
vW/bs

Sehr geehrter Herr Professor!

Herzlichen Dank für Ihren Brief vom 26. 2., den ich nach Rückkehr von einer Auslandsreise hier vorfand. Was Sie über die Entstehungsgeschichte des Buches schreiben, ist mir doch etwas zu kahl für eine Veröffentlichung. Ich glaube, daß ein solches "Bekenntnis" die Leser eher davon abhalten würde, das Buch zu kaufen. Man muß ihnen doch schon in etwa sagen, was Sie innerlich bei der Abfassung des Buches bewegte und was Sie mit dem Buch selbst aussagen wollten. Da wir uns sehr große Mühe mit der Übersetzung und der Gesamtgestaltung geben, bitte ich Sie, sehr geehrter Herr Professor, sich doch die Mühe zu machen, einen werblich etwas wirksameren Text über die inneren Beweggründe, die Sie bei der Abfassung des Buches hatten, zu schreiben. Ich hoffe sehr, daß es Ihnen nicht allzu viel Mühe macht. Vielleicht kann Ihnen Herr Epstein auch etwas helfen.

Mit den besten Grüßen und Wünschen

I h r
(v. Wehrenalp)



[aus 6/16/60]

March 14, 1960

Mr. Kenton L. Harris, Deputy Director
Division of Microbiology
Dept. of Health, Education and Welfare
Food and Drug Administration
Washington 25, D. C.

Dear Mr. Harris:

As we do not have any reprints of Prof. Wiener's article in the Technology Review, I suggest that, as this article was reprinted also in the Saturday Review, you try to obtain a few back issues from them. The article appeared in the March 5 issue. I hope you will be able to get some, but in case you do not - - please contact me, and I shall try to have it photostated.

Sincerely yours,

Eva-Maria Ritter (Mrs.)
Secretary to Prof. Wiener

March 14, 1960

Mr. J. Hrebik
OIRT General Secretary
International Radio and Television Organization
15, Liebknechtova
Prague 16, Chekoslovakia

Dear Mr. Hrebik:

While I am a strong believer in "Science for Peace", I am a great disbeliever in the value of questionnaires. By means of a questionnaire it is possible to force out of a person views which have a bytaste which does not adequately fit that person's real thoughts. I do not believe that it is profitable to rate discoveries in the order of importance, nor even that it can be done with any permanent significance. As to question 3, where you ask what can be done in my branch of science for the happiness of mankind when the menace of war is eliminated, I am convinced that war although the greatest of all menaces, is by no means the only one which faces our rapidly developing technology, and I find it very difficult to evaluate whether a particular discovery shall conduce in the long run to the happiness or unhappiness of mankind. This does not involve a fixed pessimism but merely a great uncertainty as to the future of mankind in a period in which we may be modifying our environment faster than is compatible with our ability to live with it.

Sincerely yours,

Norbert Wiener

NW/emr

March 14, 1960

Mr. Gordon L. Walker
Executive Director
American Mathematical Society
190 Hope Street
Providence 6, R. I.

Dear Mr. Walker:

In reply to your letter of March 8 in which you informed Prof. Wiener of Prof. E. E. Kramer's request to quote from his paper entitled "G. H. Hardy", I would like to tell you that he has consented and gives you permission to quote from his paper.

Sincerely yours,

Eva-Maria Ritter (Mrs.)
Secretary to Prof. Wiener

March 14, 1960

Prof. Emil Wolf
Institute of Optics
The University of Rochester
River Campus Station
Rochester 20, N. Y.

Dear Prof. Wolf:

Thank you for your invitation to participate in your Conference on Coherence Properties of Electromagnetic Radiation which you are planning to hold in June.

Although I would like very much to attend, I find it, however, impossible as the beginning of June will find me on my way to Europe where I shall lecture and travel until Spring 1961. I regret that I have to decline, but do wish you a successful conference.

Sincerely yours,

Norbert Wiener

NW/emr

The CENTENNIAL REVIEW of Arts & Science

204 MORRILL HALL • MICHIGAN STATE UNIVERSITY • EAST LANSING, MICHIGAN

March 15, 1960

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

Dear Professor Wiener:

Professor Weisinger is out of town for several weeks, so I am taking the liberty of answering your letter of March 9 for him.

We are very pleased that you will write an article for our nuclear revolution issue, and I am sure the subject your letter proposes will be quite satisfactory.

Thank you for your interest. We look forward to receiving your paper when it is ready.

Sincerely yours,



(Mrs.) Inez Hare
Managing Editor

DEPARTMENT OF MATHEMATICS



EDMONTON, ALBERTA
CANADA

March 15th, 1960

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

Dear Professor Wiener:

It was very kind of you to call to my attention the two references on Tauberian Theorems mentioned in your recent letter. I do know of Pitt's book, of course, but was unaware of the article by Benish. I shall try to get hold of it when it appears.

Sincerely yours

A handwritten signature in blue ink that reads 'Lee Lorch'. The signature is written in a cursive style.

Lee Lorch

LL:im

140 Hollister Avenue
Santa Monica, California

March 15, 1960

Professor Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Mr. Wiener,

Please excuse my not writing since my letter saying that I wanted to be your student at M.I.T. starting in September 1960, and that I would apply for admission through normal channels. I have had to reconsider moving East primarily because of many medical bills resulting from an accident that my wife and I were in over a year ago. More significantly, I realized that I should have another full year of graduate courses before I began my doctorate thesis. If I arrived at M.I.T. this September it would be a year before I could contribute to some work that I might do for you. For this reason I have chosen the following plan for my education that I hope you will approve. I will go to U.C.L.A. next September and study for a full year; Differential Equations, Real Variable Theory and Advanced Probability Theory. Then, in September 1961, I would like to come to M.I.T. and write my Ph.D. thesis for you in statistical mechanics along the outline that you showed me last summer. In a year I will be able to devote my full attention to this work.

I believe that M.I.T. will allow me to return to write a thesis since I have already spent one year there from 1957 - 1958 and will probably work for more than a year on my thesis. I am writing Dr. Martin today to ask him if this is possible.

I am very sorry that I must bother you this way but I would like to know if you will accept me as your student in September 1961 so that I can make arrangements with U.C.L.A. I realize that this is tentative and also that many unknown variables influence your decision. If you cannot plan for 1961 I would appreciate your telling me.

Dr. Wiener, please accept my most humble apologies for the trouble that I have caused you but you also understand how enthusiastically I look forward to being able to work with you. I hope that both you and Mrs. Wiener are well. It must be beautiful in Cambridge in the Spring.

Yours truly,

Michael Marcus

Michael B. Marcus

[orig 3/21/60]

JOHN SIMON GUGGENHEIM MEMORIAL FOUNDATION

551 FIFTH AVENUE • NEW YORK 17 • N. Y.

March 15, 1960

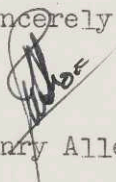
Dr. Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Dr. Wiener:

I am asking my perennial questions concerning applications for Fellowships of this Foundation. Sr. Hector Hoyo has applied for an Inter-American Fellowship and has referred me to you. What is your judgment of the quality of his accomplishments, please -- confidentially, as always?

Sincerely yours,

Regards -



Henry Allen Moe

HAM:g

[ms] 3/21/60]

LAW OFFICES
HARRY N. ROSENFELD
1735 DE SALES STREET, N. W.
WASHINGTON 6, D. C.

TELEPHONE
EXECUTIVE 3-0250

CABLE ADDRESS
"LAWYER," WASHINGTON, D. C.

March 15, 1960

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

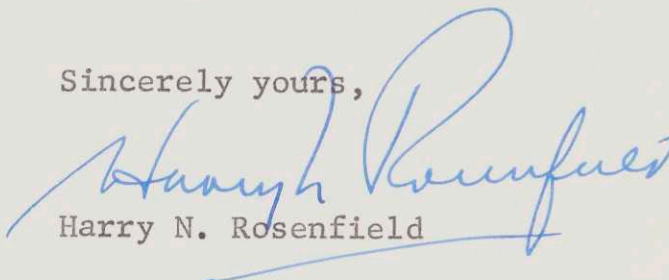
Dear Professor Wiener:

I am much obliged to you for your letter of March 9th, concerning my inquiry on the history of science. Your comments deal precisely with the matter I have been studying and will prove most helpful.

As a result of my inquiries, I have become so intrigued with the subject--beyond the cause for my original inquiry--that I hope to be able to write an article for a learned journal. May I quote from your letter?

Again, with thanks for your kindness and help,
I am

Sincerely yours,


Harry N. Rosenfeld

HNR:js

[ans] 3/18/60]

March 15, 1960

Mr. Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Mr. Wiener:

For a good many years FACTORY editors have followed your activities and comments with great interest. In recent months you have moved even more into the front area of our attention. We have been struck by the social implications of your novel, The Tempter. We have been stirred by reports of your address in January before the American Association for the Advancement of Science. Now we learn that you soon will receive the 1960 Research Medal from the American Society of Tool and Manufacturing Engineers.

This brings me to the point of my letter to you. We think it is our obligation as editors to challenge our readers to think beyond their day's routine. These readers are 70,000 management men in the manufacturing industries in the United States. We can think of no more stimulating way to challenge them than to publish your vision of what is ahead in the manufacturing industries.

Would you therefore respond, in your own inimitable way, to the questions that follow? Here are the questions:

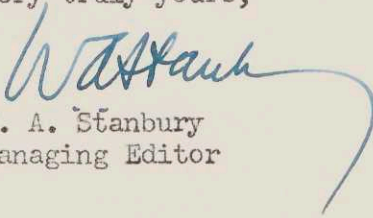
1. The works manager of a manufacturing plant today needs management skill for the control of people, materials, and facilities. Will the manufacturing plant of tomorrow need a works manager? If so, what skills will he need?
2. In the brave new world that you envision, how will we answer the question of work-day (or work-week) length, wage scales, use of leisure?
3. Will increasing decision-making by machines narrow the gap between high-profit and low-profit enterprises in a given industry? Will competition then disappear? Will there then be new criteria for measuring the success of an enterprise?
4. If machines take on more and more of the burden of decision-making in a given industry, will that industry then be able to attract executives of top intelligence? Will it even need them?

5. Is there danger that these machines may be sabotaged by a disgruntled employee, or even by an enemy agent? Is there any way to guard against such danger?
6. Will machines take on personality (be cheerful or glum, shy or aggressive, introverted or extraverted) and character (be benign or malign, good or evil, truthful or deceitful)? If they do, will they add these traits to their analytical and decision-making skills and thus become the master race? Or will we human beings be able to devise controls?
7. Will we be able to invent some fail-safe system that will keep machines from making disastrous decisions and effecting them?
8. Is there a gap today between decision-making machines and the machines needed to effect those decisions? If there is such a gap, does it derive from the fact that most decision-effecting machines (even the simplest solenoid) are mechanically complex and slow, in contrast with the animal muscle cell, which is simple, swift, efficient, and adaptable?
9. If human criticism of machines is so slow that human control of machines vanishes, what chance is there of inventing machines that will criticize instantly and thus restore control?
10. Traditional social lines have been drawn between royalty and common people, between rich and poor, between strong and weak. Will the machines of the future, as they take over more control functions, draw a new line of social distinction--the line between people who can understand and control machines and those who cannot? What would be the hazards in such a social cleavage? Would the hazards be more serious than those created by a dividing line between rich and poor?
11. Can you suggest a time schedule by which decision-making machines might take on increasing control of industry and business?

The fee we can offer (\$350) for your trouble is no measure of our desire for your comments or of the value that will accrue to our readers. The best I can say in defense of offering you such a modest fee is that it will not seriously complicate your income-tax problem.

May I hear from you soon?

Very truly yours,


W. A. Stanbury
Managing Editor

WAS:rdm

[and 3/25/60]

GEORGE H. WETTACH
17-20 WELL DRIVE
FAIR LAWN, NEW JERSEY

March 15, 1960

Dr. Norbert Wiener
c/o Massachusetts Institute of Technology
Cambridge, Mass.

Dear Doctor Wiener:

May I trouble you for your autograph for my collection? I would be both proud and grateful if you would favor me with it.

For your convenience I enclose a card and a stamped, addressed envelope.

With many thanks in advance, I am

Sincerely yours,

George H. Wettach

[ans 3/17/60]

BROMFIELD ASSOCIATES

175 HUNTINGTON AVE.
BOSTON 15, MASS.
COPLEY 7-7161

AN ORGANIZATION FOR THE APPLICATION OF SCIENTIFIC MANAGEMENT

March 16, 1960

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

Dear Doctor Wiener,


I want to thank you again for your good advice, companionship, and support. Especially after hearing of my patent attorney's blunders, I find my way is a rather lonely one. Your heartening warmth and interest is a much-needed prescription at this time.

I have a call left in for Prof. Schwartz and will be "permanently waving" leather Friday. I'll let you know the results.

Thank you again.

Sincerely,

BROMFIELD ASSOCIATES



Morton Bromfield

MB:lmh

NOTE THE WINDOW DRESSING.

CABLE ADDRESS: FORMULAST, BOSTON, MASS. OR BRUSSELS, BELGIUM
EUROPEAN OFFICE: 21, SQUARE DES NATIONS, BRUXELLES, BELGIQUE

Congress of the United States
House of Representatives
Washington, D. C.

March 16, 1960

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

Dear Professor Wiener:

Thank you very much for your letter of March 9. It was our hope that you would be able to write a section of the Liberal Papers for us which concerned itself with automation. The Liberal Papers themselves will be published by Random House in time for the next election. These papers would serve as a basic policy formulation for the issues that we feel should be discussed in this campaign and in the succeeding few years.

One of our great problems though, is the time limit that we have in order to finish the papers. If you think it will at all be possible we would be delighted if you could participate with us and write a paper within the next month and a half or so. The average paper seems to be running between 15 to 20 pages in length.

I am enclosing a copy of the memo which has been circulating here in Congress and among those people who are participating with us. On page 14 of the memo you will note certain questions that we have prepared regarding automation. These are not meant to restrict your thinking but rather to suggest to you the kind of problems that we consider to be important. It occurs to me that you may well be interested in writing more in line with the problems specifically related to science. On page 20 of the memo you will also find certain questions under the "Science" heading. Either topic that you might do for us would be greatly appreciated.

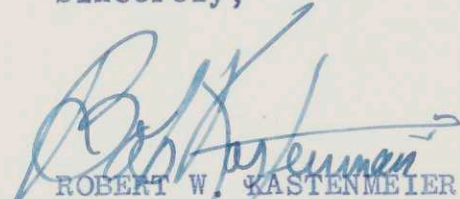
Professor Norbert Wiener
Page 2

March 16, 1960

I hope that you will be able to participate with us and on behalf of the Congressional Group, I thank you.

With kindest regards,

Sincerely,



ROBERT W. KASTENMEIER
Member of Congress

RWK:jlr

THE UNIVERSITY OF LIVERPOOL

TELEPHONE: ROYAL 6022



DEPARTMENT OF PSYCHOLOGY
7, ABERCROMBY SQUARE,
LIVERPOOL, 7.

16th March, 1960.

Dear Professor Wiener,

I hope you will forgive me for bothering you like this, but I am writing an account of the life of the late E.C. Tolman, Professor of Psychology at the University of California, Berkeley, and one of my informants says you were at Harvard at the same time as Tolman & actually attended a seminar with him.

If you could confirm this and tell me the nature of the seminar - I gather T.S. Eliot was also a member - I would be most grateful. Anything you can remember about Tolman at that period at Harvard would be most interesting and helpful to me. Although we have the second volume of your

autobiography we haven't a copy of the first volume which covers the period in question (1911-15) and hence I have been so far unable to find out whether you mention the things I am concerned with in that book.

It is interesting that some psychologists now feel that Tolman's theories can best be developed in terms of information theory, for this would suggest that your work and his were not so far apart as at one time they seemed. Naturally, I would be most interested to know your present views of the use of 'cybernetics' in psychology.

With many thanks in advance,

Yours sincerely,

J.W. Huxham

Copy to: Norbert WIENER; see air-letter of 18/11/60.

page 1

J.G.M. Lundy.

The Laboratory, St. Andrew's Hospital,
Northampton, England, 16th March, 1960.

Prof. Daniel MAZIA, Dept. of Zoology,
Univ. California, Berkeley 4, Calif., U.S.A.

Dear Dr. Mazia,

I am delighted to learn from your letter to me of 25/Feb/1960 that you are hoping to test " the effects of a very intense magnetic field on chromosome movement". Let me hasten to amplify my suggestion of 23/Jan/1960 about " testing per magnetic field effects " by emphasising that the magnetic field MUST BE PHASIC, either on-off or pole-alternating, preferably the former in initial experiments.

My 1939 " Cytological Synthesis " (of which typed and illustrated bound copies were, prewar, acknowledged by Professors C.D. Darlington and C.J. Ludford, and about the 'guts' of which I told you in my letters of 16/Apr/1956 and 26/Oct/1959), contains an " Appendix I " entitled " Physico-chemics of the Centrosome Unit ", with subsection headings as follows :

- | | |
|---|---------------------------|
| (1) Oxidation Electronic Energy. | (2) C-Unit Reproduction. |
| (3) Planetary System. | (4) Output-Input Cycle. |
| (5) First Life. | (6) Molecular Death. |
| (7) Suspended Animation. | (8) Electricity in Cells. |
| (9) Artificial Genesis of Life. - The text under this last subheading | |

reads :

" According to the above concepts it should be possible to revivify a bacterial spore or plant seed by means of an electric charge or a pulsating magnetic field, in the presence of moisture but absence of heat and oxidation : in other words, to supply electronic intake energy from an alternative source to oxidation katalinosis. Indeed by means of electric charge and a pulsating magnetic field of proper frequency (see pp.109-110), it should be possible to induce life in a selected solution of nucleoproteins."

" Appendix II ", entitled " Neurofibrillae " (the 'embryo' to my thesis at C.I.T. last month !), ends on pp.109-110 with suggestions that the impulse frequency in pain fibres, and the refractory period in

nerve fibres in general, might offer clues as to the "proper frequency"; elsewhere I suggested the possibility of a harmonic relationship to the frequency of sperm-tail oscillation and of trouts' eggs 'resonance'.

You will see that " cybernetics " and " excitation-state physics " did not impinge upon my conceptualisations with any great unfamiliarity in 1949 and 1959, respectively. They mainly called for up-to-dating of terminology anent my Chromomere-aaChain-Centriole Unit (as illustrated in my letters to you of 23/Jan/60 and 26/Feb/60); the Bjerknes' hydrodynamic laws became essentially superfluous; whilst the spheres of phenomenology integrated by my "Basic Unit" have extended beyond the 'mysteries' of normal cytology, cancer, tissue-differentiation and puberty-physiology, to those of signal storage and probabilistic inferencing in central nervous system, and of developmental and regenerative "topological sorting".

And now, in reply to your 25/Feb/1960 invitation to me to proffer "predictions regarding the effects of a very intense magnetic field on chromosome movement", I hazard the following forecasts : -

1. At a certain monopolar on-off frequency, and strength, of magnetic flux, mitotic spindles will tend to orientate themselves along the main axis of your 'field', one daughter centrosome in each spindle tending to be attracted to, the other repelled from, the unipolar field-source. ("Spindle" here means total mitotic apparatus, with axis at right angles to the metaphase chromosome plate.)
2. Reversal of the magnetic polarity of this field, with all other parameters held constant, will cause spindles-in-existence to swing through 180 degrees, (perhaps needing initial jogging of the axes out of linear equilibrium).
3. Because, in each spindle, each of the centrioles (in my sense) within the attracted centrosome will tend to be amplified in "pulsation", and those within the repelled one diminished in pulsation, differences should become apparent in the rate of duplication of 'reproducing elements' on the opposite sides of the metaphase plate: the attracted centrosome may, for instance, re-duplicate itself before the initial mitosis is out of metaphase.

4. For the same basic reason as stated in "3", the attracted centrosome and its 'daughter nucleus' will tend to acquire over 50% of the 'maternal' cytoplasm at cell-membrane division.
5. If it were technically possible to impinge repellent-phase fields on each of the spindle's two centrosomes at the same time, eg. by means of a magnet of about the same length as the spindle (which would have to be "held": see "6"), then all duplication of elements might be halted at the phase-in-progress, (due to excitation-state energetics falling below necessary thresholds).
6. Mitosis in a cell situated on the mid-point along a phasic on-off bar magnet, should be accelerated if the spindle is left free; should be retarded if the spindle could be held at 180 degrees opposite to its position of 'free-choice'; and might be disrupted if the spindle could be held at 90 degrees.
7. Very possibly, with certain parameters of phasic magnetic field(s), asymmetrically dividing nuclei, such as manifest in malignant cells, would be much the most readily and severely "disrupted", - perhaps beyond ability to continue reproducing.

This is, I guess, enough speculative prediction to be going on with! (It might not be uninteresting, on the side, to observe the effects of 'permuted parameters' of magnetic flux upon bacterial flagellae, cilia, sperm-tail movement, trout eggs, and the like, - not to mention, upon bacterial spores, plant seeds, and nucleoproteins in warm sugary media.)

Anyhow, it is good to know that, after the lapse of 21 years, the concepts behind these predictions are, at last, going to be experimentally tested: I feel sure you will not mind my passing the news, in the form of a copy of this letter, to people who know about my systematisations and would equally like to see the end of them.

Yours sincerely,

Turner McLardy.

621 Amostown Rd.
West Springfield, Mass.
March 16, 1960

DEAD OF INDUSTRIAL MATHEMATICS

Massachusetts Institute
of Technology
Cambridge, Mass.

MAR 25 1960

Gentlemen:

REF. TO:

S. Hoar
Professor Wiener

I have recently read an article in the Chicago Sunday Tribune on cybernetics and then again an article in Science Digest on this same subject. I am a sophomore in high school and find myself very interested in this subject.

I would be pleased and most grateful if it would be possible for you to send me more information on this subject.

Very truly yours,
Marie Mozden

[ans 3/30/60]



67 Shaw Road



Chestnut Hill 67, Mass.



Homestead 9-0791

Dr. Norbert Wiener
mass. Institute of Technology
Cambridge, Mass.
March 16, 1960

Dear Dr. Wiener,

I am a Junior at the Beaver Country Day School in Chestnut Hill. In our advanced mathematics class, we were assigned a project on a mathematician. While browsing through the titles of the many books which the school library contains on mathematics and mathematicians, I discovered your autobiography I am a Mathematician. I am in the process of reading it now and find it extremely difficult to put down. I have become very interested in you and cybernetics as a result.

Would it be possible for me to have an interview with you. I would prefer it between April ~~to~~ fifteenth and April twenty-fifth because I have vacation. The afternoon would be greatly appreciated because I have Drivers Education during the morning.

Thank you very much.

Sincerely,
Wendy Rabinowitz
[aut 3/21/60]

March 16, 1960

Mr. Donald P. Eckman, Director
Systems Research Center
Case Institute of Technology
University Circle
Cleveland 6, Ohio

Dear Mr. Eckman:

Thank you very much for your invitation to participate in the First Systems Symposium to be held on April 26, 27, and 28, 1960. Were it not for my fully loaded schedule this spring, I should be glad to take part in the symposium, but I have very little time left in April and hesitate to accept an offer to which I may not be able to do justice. Will you let me beg off?

Please accept my best wishes for a successful conference.

Sincerely yours,

Norbert Wiener

NW/emr

March 16, 1960

Dr. Moritz Hofstatter
804 South 15th Avenue
Maywood, Ill.

Dear Dr. Hofstatter:

We are, indeed, in receipt of your manuscript and are terribly sorry that we failed to notify you of its safe arrival. Although it seems very interesting, Professor Wiener has had little time, if any, to look it over carefully, as he is just about flooded with work, and his desk crowded with manuscripts that he is constantly asked to give his opinion on. As he is presently quite involved in his own research, he feels that it is wiser to return your manuscript before it gets lost among all the other unsolicited ones so that you may have a chance to have it looked at by someone else.

Regretting that it took us such a long time to come to this decision and hoping that you will soon find the proper interest for your work, I remain

Sincerely yours,

Eva-Maria Ritter (Mrs.)
Secretary to Prof. Wiener

Separate Cover

March 16, 1960

Miss Linda Pike
815 Garrison
Carthage, Texas

Dear Miss Pike:

Unfortunately, Professor Wiener has not had time to consider your request, and since his desk is just about flooded with work, your letter got temporarily lost until I retrieved it a few moments ago. By this time you will have handed your paper in already, but I thought I should let you know that you were not completely forgotten. Thank you very much for your interest in Prof. Wiener's life and accomplishments. When you are a bit older, you might read his books "I am a Mathematician" and "Ex-Prodigy" which will give you a lot of information about his life and work.

Sincerely yours,

Eva-Maria Ritter (Mrs.)
Secretary to Prof. Wiener

March 16, 1960

Mr. Edmund Roque
289 Caroline St.
Fall River, Mass.

Dear Mr. Roque:

I am sorry that we cannot fill your request, but Professor
Wiener has found it necessary to refuse all requests for autographs.

Sincerely,

Eva-Maria Ritter (Mrs.)
Secretary to Prof. Wiener



ARTISTS AND WRITERS PRESS, INC.

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March 17, 1960

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

Dear Professor Wiener:

At the suggestion of James R. Newman and Morris Kline we are writing to ask whether you would be willing to write the article CYBERNETICS which will appear in the forthcoming HARPER ENCYCLOPEDIA OF SCIENCE. This Encyclopedia, to be published by Harper and Brothers in the fall of 1962, is a one-volume work of about 900,000 words for the layman. Mr. Newman is the Editor-in-Chief, and Dr. Kline is Consultant in Mathematics.

In this very concise work, occupying a position midway between a dictionary and a full-blown encyclopedia, we have about 110,000 words available for the field of Mathematics. The enclosed preliminary entry list, with its indications of topics and word lengths of articles, will provide some perspective on what we are attempting.

The allotment for CYBERNETICS is 500 words (a challenge indeed!). We expect this to be sufficient to introduce the reader to the material and encourage him to read further elsewhere. The enclosed entry list will indicate relationships with other articles. The basic, or pivotal, articles give a broad perspective of the subjects concerned, leaving more specific details to the subordinate articles and definitions. Minor overlapping is permissible and in fact desirable.

We have no rigid formula for the writing. At the start of an article, generally we define the subject very succinctly, as a dictionary would. Beyond that it is up to the writer to decide how to lead the reader into the subject and, in the end, get him out again.

The enclosed information about this Encyclopedia will suggest the level at which we feel material should be written. We assume our readers to be intelligent and willing to make an effort to comprehend; but they will, in many instances, have a very limited frame of reference. An article should start, it seems to us, at a rather elementary level and then get as far as a clear, compact style can carry it within the allotted wordage.



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The word allotments indicated are not ironbound. You may find a proper stopping point somewhat short or somewhat beyond the allotment. We are always glad to find that a topic can be treated in less space than was expected. On the other hand, any article that takes more space than was allotted must be compensated for by cuts elsewhere. A contributor who has several articles to write should stay very close to the total allotment for the group.

The kind of writing we are seeking is not easy to accomplish. The honoraria we can offer--in this instance, twenty dollars--are not large. But we hope that the challenge will appeal to you. In this book an important job can be done in helping intelligent laymen to understand the problems and methods of science.

If the information herewith does not answer all the questions that arise in your mind, we shall be glad to furnish further details promptly upon request.

We look forward to hearing from you.

Sincerely yours,



Jerome Wyckoff
Managing Editor

THE HARPER ENCYCLOPEDIA OF SCIENCE

cc. J. R. Newman
M. Kline

JW/pkb

[ans 5/21/60]

March 17, 1960

Miss Joan Burczyk
Public Relations Assistant
American Society of Tool and Manufacturing Engineers
10700 Puritan Avenue
Detroit 38, Michigan

Dear Miss Burczyk:

In my last communication, I forgot to ask a "vital" question. As Mrs. Wiener will be attending the ceremonies, could you please tell me if it is required to wear evening dress? I should appreciate it very much if you would let me know as soon as possible.

Thank you very much for your cooperation.

Sincerely yours,

Eva-Maria Ritter (Mrs.)
Secretary to Prof. Wiener

[ans 3/21/60]

March 17, 1960

Mr. Thomas L. Etter
305 West 103rd Street
New York 25, N. Y.

Dear Mr. Etter:

I would like to thank you in Prof. Wiener's name for your interest in sending your paper to him for expressing an opinion on your work. Unfortunately, however, we are making it a point at the moment not to accept any papers or manuscripts so as to facilitate Professor Wiener's progress with his own work, especially his research on brain waves, and in order to avoid any getting lost of your work on his desk or mine, I thought it would be wise to return it to you under separate cover. I wish you success with your paper, but hope, too, that you will understand Professor Wiener's position.

Sincerely yours,

Eva-Maria Ritter (Mrs.)
Secretary to Prof. Wiener

Separate Cover

March 17, 1960

Prof. F. R. Masani
Department of Mathematics
Brown University
Providence 12, R.I.

Dear Prof. Masani:

Thank you for your letter of March 7, in which you told Prof. Wiener of your intention to order 50 more copies. It seems, however, that the supply of those Russian reprints we have will last us quite a while, and, therefore, I think it won't be necessary for you to go to the trouble of ordering more for Professor Wiener. Thank you very much for your concern.

Sincerely yours,

Eva-Maria Ritter (Mrs.)
Secretary to Prof. Wiener

March 17, 1960

Mr. George H. Wettach
17-20 Well Drive
Fair Lawn, N. J.

Dear Mr. Wettach:

We have received your request for Professor Wiener's autograph, but I am sorry to tell you that Professor Wiener has found it necessary not to grant requests for autographs.

Sincerely,

Eva-Maria Ritter (Mrs.)
Secretary to
Professor Wiener

den 18. März 1960

Dr. Wilhelm Bernsdorf
Wörterbuch der Soziologie
Berlin-Charlottenburg 9
Fredericiastrasse 27/IV
Germany

Sehr geehrter Herr Dr. Bernsdorf:

Wie ich Ihnen schon mitgeteilt habe, bin ich augenblicklich mit der Revision meines Buches Kybernetik beschäftigt und möchte deshalb ungern eine andere Arbeit beginnen, aber in einigen Wochen sollte ich damit fertig sein. Ich verstehe Ihre Situation, und da Sie vorschlagen, den Stichtag für die Ablieferung der Artikel bis zum Jahresende hinauszuschieben, wird diese Lösung durchaus meinen Nöten gerecht und gibt mir genügend Zeit, Ihre Sache ungestört zu unternehmen.

Mit den besten Empfehlungen

Ihr sehr ergebener

Norbert Wiener

NW/emr

March 18, 1960

Reverend John David Erb
Copley Methodist Church
180 Newbury Street
Boston 16, Massachusetts

Dear Reverend Erb:

Thank you for your interesting letter of March 4 to Prof. Wiener in which you ponder the closing statement of Prof. Wiener's article "The Grand Privilege".

It is indeed a terse statement, and I am afraid the one to blame for it is less Prof. Wiener than I, his secretary, for it emerged from my transcription of notes. It should have read "the kingdom of Herod". I hope you will forgive us this slip and in seeing that passage in a less provocative light will find new meaning in it.

Sincerely yours,

Eva-Maria Ritter (Mrs.)
Secretary to Prof. Wiener

March 18, 1960

Mr. Manfred George
Editor
Aufbau
2121 Broadway
New York 23, N. Y.

Dear Mr. George:

The time is very short before the appearance of your April issue, and I haven't yet finished the revision of my book "Cybernetics" as well as my own research so that I think I had better either call off any attempt to send you a paper or have it published later. Perhaps the best thing would be to wait until your issue is out and to give an article as a critical comment on the other papers.

Sincerely yours,

Norbert Wiener

NW/emr

March 18, 1960

Mr. James F. Hornback
Ethical Society of St. Louis
3648 Washington Boulevard
Saint Louis 8, Missouri

Dear Mr. Hornback:

Thank you for your invitation. I do indeed remember our meeting at the Hotel d'Angleterre.

As to the talk, I shall be abroad from June this year until March 1961, and as my schedule for this Spring is completely filled, I think we will have to postpone the engagement until some time in April 1961. We shall look into the matter more closely then.

With best wishes,

Sincerely yours,

Norbert Wiener

NW/emr

le 18 mars 1960

M. Jean d'Ormesson
Diogene
6, rue Franklin
Paris 16
France

Cher Monsieur d'Ormesson:

Au moment je suis tres occupe avec la revision de mon livre "Cybernetics", et je suis aussi bien occupe avec la preparation pour un voyage a l'Europe de ma femme et moi pour l'ete et l'automne de cette annee. Il vaut donc mieux de ne promettre rien jusqu'au temps que j'aurai acheve tout ce que j'ai entrepris.

Comme j'ai dit, je serai en Europe cette annee, et il est bien probable que nous passerons par Paris. Il est donc possible que nous aurons l'occasion de discuter votre projet ensemble. Car, malheureusement, il sera impossible pour moi d'ecrire quelque chose avant l'ete.

Veillez agreer, Monsieur, mes sentiments les plus distingues et devoues.

Norbert Wiener

NW/emr

March 18, 1960

Cand. Sc. G. H. Povarov
Laboratory of Systems of Transmissions of
Information
Moscow
Chaussee Entuzeastov 156
USSR

Dear Mr. Povarov:

Thank you for your letter of February 22. Yes, I did receive the book, and I have heard reports that your translation of my "Cybernetics" is extremely good. I appreciate fully the hard work that you have put into it.

As to whether cybernetics is a new science or a new fiction, I am sufficiently prejudiced to believe that it is a new science. At any rate, there are at least some of your compatriots who are of the same opinion. It is conceivable that I might be in Russia this summer - although by no means definite - in which case I shall be glad to get in contact with you.

Many thanks for your frankness.

Sincerely yours,

Norbert Wiener

NW/emr

March 18, 1960

Mr. Harry N. Rosenfeld
Law Offices
1735 De Sales Street, N. W.
Washington 6, D. C.

Dear Mr. Rosenfeld:

Go ahead with quoting from my letter. I wish you success in
your undertaking.

Sincerely yours,

Norbert Wiener

NW/emr

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

Editorial Office of Electrical
Review, Institute of Electrical
Engineering Kyoto University
Yoshida-Sakyo, Kyoto, Japan.

20 March, 1960.

Dear Professor Norbert Wiener

It is my pleasure to again send you greeting and good wishes. Particularly, I am very happy if you would kindly give me your opinion about my new concept of "Equivalent Transformation" shown in a paper which I sent to you in August 1959.

I believe that the methodology of thinking should be studied more systematically and my interest exists in developing it intensively so as to make it applicable to the wide practical fields.

If I could hear from you with respect to this problem, I think it would be the greatest encouragement to me.

Please excuse me for my encroaching to your valuable time.

I look forward to having your kind reply.

with my best wishes to you,

Sincerely yours,

K. Ichikawa

Kikuya ICHIKAWA
Editorial Staff of
Electrical Review

To Professor Norbert Wiener

The Technology of Emotional Transfer

By Lecturer Kikuya ICHIKAWA

Faculty of Economics, Doshisha University, Kyoto, Japan.

(Résumé of a speech made at the 7th meeting of the Methodology Studies Group, in the Students Counseling Center of Kyoto University, on March 28th, 1958)

1. Foreword:

The present report concerns the technology which takes place when a person tries by some means to transfer emotion, which is a subjective mental activity, to a receiver.

The transfer of emotion in our daily life and its expression in various fields of art are necessarily included in this category of technology. It should eventually lead us to what is developing day by day in the theory of technology, e. g. *Communication theory*. However, to my knowledge, nobody has written anything about the theory of emotional communication from a technological point of view.

The writer has attempted in the following report to integrate the technical system of emotional communication, which hitherto has not been considered in the light of this communication theory, into the communication theory in its wider sense.

The writer, in short, suggests one method of thinking which corresponds to the programming, which appears in the first step of the use of the electronic computer. As is known, the programming in the electronic computer means the transformation of human matters and language describing them, into equivalent mechanical problems and their mechanical expression¹⁾. The programming suggested by the writer is one which makes it possible to transform emotional activity, the subjective mental activity of the human being, into equivalent and objectively communicable information.

The thinking mechanism suggested by the writer for the above programming follows the method of "Equivalent transformal thinking," as a methodology (first called so) in 1955, by the writer²⁾

The whole field of this method of thinking seems to form the center of all original thinking, and is thought to be the biggest factor for measuring the so called imagination. He has published several books on the method of thinking since 1944. He will try to refrain as much as possible from touching upon this general topic in the present report³⁾.

2. Objective Reorganization of the Subjective Emotion.

First, let us explain the mechanism of the above mentioned method of equivalent transformal thinking.

If phenomenon A belonging to the original system O can be completely transformed into phenomenon B , belonging to a given and different transformal system τ , through the media of ε , a stand point common to both, and its condition C , we can say that the phenomenon A of O system is equivalently transformed into phenomenon B of τ system.

That is:

$$\underset{\rightarrow}{A}_O \xrightarrow{C\varepsilon} B_\tau \dots\dots\dots (1)$$

This makes what the writer has called the "Equivalent Equation." This denotes that the phenomenon A , in the equation above is transformed into B_τ by the help of the media $C\varepsilon$ in the direction of the arrow.⁴⁾

Now, if we take out from this formula the element of transformation (e. g. if we take out the arrow from the equation), this can also be a *Logical Equation* which connects various phenomena, occurring in any number of different systems, depending on the choice of $C\varepsilon$. To put the above thinking into a simple formula:

$$C \begin{matrix} \swarrow A_0 \\ \searrow B_\tau \end{matrix} \rightarrow \varepsilon \dots \dots \dots (2)$$

This is the same as projecting condition C into one or both of the phenomena A and B of each system, and extracting ε (that is, equivalent dimension) common to both. Moreover, if we think of C in the formula (2) as the filter effect of communication technology, the above relationship is:

$$A_0 \rightarrow F_C \rightarrow \varepsilon \leftarrow F_C \leftarrow B_\tau \dots (3)$$

This makes the mechanism clearer. That is, A_0 becomes ε by passing through the filter F_C . B_τ also becomes ε by passing through the filter F_C , so that A_0 becomes equivalent to B_τ by the help of the media F_C and ε .

The writer wants to call the operation of connecting both sides of the formula (1) an operation to find the "Equivalent Relation" of the two. According to G. Polya⁵⁾ the solution of mathematical problems previously unsolved has been mainly due to the thinking transformation, based on this discovery of equivalent relationship. The principle holds true also in the programming suggested by the writer.

As has been mentioned, emotional activity in itself is a subjective phenomenon occurring in the sphere of the human mind. It has no objective form in itself. Therefore it is impossible to transfer it objectively in its original form. The objective transfer is possible only when this subjective emotion is transformed into some objective phenomenal world, and then retransformed. Therefore the problem of transformation and retransformation in methodology follow. However, the only kind of thing that makes it possible to transform emotional activity into the emotionally significant world is the system of emotional stimuli.

Therefore what we have to do is to transform this subjective emotion into a set of emotional stimuli which are psychologically equivalent.

Thus, the key to the solution of the problem lies in finding equivalent relation which can be understood by everybody, between the given emotional content A to be communicated, and phenomena of the particular stimuli (Sensations mainly coming from eyes and ears), which can be repre-

sented by B . Of course there will be no problem if B , which has systematically transformed the details of emotion to be communicated, is fortunately contained in the combination of the sense phenomena at hand. However, this is not the case in general, and in such general cases B has to be artificially reorganized from among the variety of phenomena known to everybody and which belong to any transformation system τ , through skillful manipulation of $C\varepsilon$. In other words, we have to make equivalent transformation⁶⁾ into the world of "Acquainted Systems."

If by so doing we can communicate to others the information based on programming mentioned above, the emotional activity that a person wants to communicate will be wholly recaptured and recreated in the mental sphere of the recipient through the information of the reorganized emotional stimuli, i. e. it is transferred through "Rediscovering Correspondence."

This can be represented by the following equation.

$$A_0 \xrightarrow{C\varepsilon} B_\tau \xrightarrow{C'\varepsilon'} A_0' \dots \dots \dots (4)$$

$$\therefore A_0 \xrightarrow{\quad} \cong A_0' \dots \dots \dots (5)$$

The equation represents the establishment of the technical system by which human emotion, which can not be communicated in its original form, can be transferred into the mental sphere of the recipient.

Since the writer does not have much space in the present résumé, he wants only to mention Susanne K. Langer⁷⁾ who, not from the technological point of view, but mainly from the psychological point of view, seems to have arrived at substantially the same kind of conclusion. This is noteworthy for those who are interested in research of scientific techniques. That is, as I mentioned briefly in foot note(7), two researchers, starting from a different point of view and taking different routes, have reached a similar conclusion. The writer wants to express his great respect to Langer's work.

3. Reorganization of the Whole Daily Activity Including Emotional Activity.

Next, the writer wishes to point out that in programming, the information which comes from the process of our daily life, is not limited in the above method only in the communication of emotion. For if the reorganization method mentioned above is possible, it follows that the outlook, opinion, wishes, etc., which the senders want to express about life-problems, can be communicated not by a direct method, but by means of being equivalently transformed into the combined relations of the world.

However, the characteristic of this equivalent transformation as a means of communication is that it utilizes the "rediscovering correspondence" in the mental activity of the recipient, as has been previously explained. Therefore, the recipient can still from the beginning keep his "subjective independence in judgment." In other words, it is up to the recipient to decide whether to accept communication or not, and the sending of opinion and view of any kind from the sender does not hurt the pride of the recipient. This is very different from other ways of communication which use persuasion, command, or instruction for the transference of opinion and request.

Therefore by using this transformation method, we can have a new powerful mental method which awakens analysis, criticism and insight of a personality without the interference caused by the pride of the recipient. Thus, if presentation of deep significant problems on life can be equivalently transformed into another equally rich form, this encourages, while giving emotional sympathy and enjoyment, a person's desire to improve himself.

There have been in the past, among the great masterpieces of art, including movies and drama, many works which, we can almost positively say, make the utmost use of such functions as mentioned above. It might be, although I am not sure, that herein lies the technological "characteristic" of the so called artistic activity in its narrow sense, and also of counselling, which is becoming increasingly

populae.

We can interpret this in general terms and say that it establishes communication which accompanies rediscovery reaction, and the resultant educational method of a higher order.

4. Conclusion

To sum up, by using the programming conduct by means of equivalent transformation treatment as a way of communication, we can reorganize, in the world of information, pure "special life experience which, while it has one ideal assertion, also accompanies emotional impact." This is the true quality of the "quasi-life-experience" which I defined in note (9). Therefore, if this quasi-life-experience method is successful, this does not remain as a mere substitute for the real life experience, but also establishes a third and new kind of life experience, which has deeper "mental meaning" than the real experience.

That is, it enables the creation of the life experience of the higher order, the more mentally "purified" and "idealized" experience. This, as I mentioned at the end of the previous chapter, means the creation of "the secondary artificial mental environment," which powerfully guides personality formation, maintenance, and development.

The traditional way of referring to this act of equivalently transforming the life view, mainly in the form of projecting a question into this artificial experience sphere, is to say "A writer creates his work."

(1) To be specific, the electronic computer can be divided into Digital and Analogue types. Originally, the word programming was used in connection with the "Organization of computing process" in the digital type. However, the word also meant the "Manufacture of the block diagrams" of the analogue type. Strictly speaking, programming as used by the writer in this report corresponds to the manufacturing of correspond block diagrams of the analogue type.

(2) Kikuya Ichikawa : Studies on Problems of Discovery Method in the Process of Technological Research. (1955) p. 13~51.

(3) Kikuya Ichikawa : Methodology of the Original

Research (1944) Methodology of Natural Science (1954) etc.

(4) In terms of the history of thinking, formula (1) should be considered as a cross section of the chain development of the following formula, e. g. the general form is :

$$\underset{\rightarrow}{A_0} \xrightarrow{O_1 \varepsilon_1} \underset{\rightarrow}{B_{\tau_1}} \xrightarrow{O_2 \varepsilon_2} \underset{\rightarrow}{C_{\tau_2}} \cdot \cdot \cdot \dots (6)$$

In many creative works born of out mind, there is still seen the above development process, making suitable feedbacks, and going on in many directions.

(5) G. Polya: How to Solve It. (1945) Prof. Polya in this book discusses the point in a variety of ways, and approaches it from many angles, the main attitude of the book is basically that of the equivalent transformation, which is the same as the writer's.

(6) However, the transformation in this case concerns the information of the phenomena to be communicated to the recipient, and does not need to be the actual events of real life. The total object is to transform into sound, light, and some electric signs which in some ways correspond to sound and light. The typical cases are the novel, made up of a combination of written words, and comics projected on television by the reorganization of the image on Brown's tube.

(7) S. K. Langer : Problems of Art. (1957) On p. 98 Prof. Langer Suggests the idea of "transformation" as a means of emotional expression, which, according to her, is done by "production of an equivalent sense-impression." This, clearly, is the same in principle

as the equivalent transformation suggested by the writer. It is very interesting, in view of the idea of equivalent transformation suggested by the writer, that Prof. Langer italicized the word "equivalent." The writer, of course, does not mean to say that the two ideas come from the same system of thinking, but as he mentioned above, it is significant, from the standpoint of scientific thought. In May 1958, shortly after the writer had finished his study (see note 9), he happened to read Dr. Kanji Hatano's "Creative Work in Art" (Creative Psychology, Vol. 3.) 1958 where the outline of Langer's book was given, and was surprised to find the similarity between her ideas and the writer's.

(8) In the writer's opinion, the technological difference between art activity in the narrow sense, and of counselling is that in the former the communication takes place between any number of people and a certain work of art, which has objective form and which is significant to them, while in the latter the communication is as a rule between two particular people, and its only form is human relationship.

(9) Kikuya Ichikawa : "Methodology of Creative writing." Kansai Kōron Vol. 1, No. 2, p. 108, Sep. 1958 (This is the end part of published in 6 installments)

Addendum:

The present report is a continuation of the writer's thesis, "Technology of the Creative Mental Work," which was given in the 1st report of the Methodology Studies Group Meeting (June 1957)

[English Translation, July 1959.]

HEADQUARTERS
AIR FORCE BALLISTIC MISSILE DIVISION (ARDC)
UNITED STATES AIR FORCE
Air Force Unit Post Office, Los Angeles 45, California



REPLY TO
ATTN OF: WDAT/M Burnett/2554

SUBJECT : Special Orders No. 147

21 Mar 60

TO: Massachusetts Institute of Technology
Cambridge, Massachusetts

Attn: Mrs. Eva-Marie Ritter
Department of Mathematics

Dear Mrs. Ritter:

1. Reference is made to your letter dated 9 Mar 60 submitting expenditures for Dr. Wiener. Please find enclosed "Itinerary of Official Travel Forms (AF 1266) and Travel Voucher Forms" covering his trip.
2. If you will kindly add the time under Item III in AF Form 1266, and the telephone expenses incurred in Item VI on the reverse side, and have Professor Wiener sign four copies of AF Form 1266 and the original copy of Travel Voucher Form, he will then be able to be paid.
3. For more expeditious handling, it is suggested that you submit the Forms when completed to the Accounting and Finance Officer at Air Force Cambridge Research Center, Lawrence G Hanscom Field, Bedford, Massachusetts, and they will make reimbursement from that Office for Dr. Wiener.

Very truly yours,

E L JACKMAN
LtCol, USAF
Director of Administrative
Services

Atchs
a/s

[ans 4/11/60]

ITINERARY OF OFFICIAL TRAVEL

(Submit in triplicate. Use typewriter or ink, and complete both sides.)

REQUIRED ATTACHMENTS

1. Two copies of travel orders, and amendments thereto; one copy of travel orders for members must be supported by AF Form 1266, "Indorsement to Travel Order".
2. Copy of all transportation requests; also receipts from transportation officer for any unused portion of transportation request or tickets, and/or meal tickets.
3. Receipts if actual cost of transportation is claimed.
4. Certificate of installation commander covering nonavailability of government quarters, government rations and military aircraft, when appropriate.

ABBREVIATIONS TO BE USED

TRANS FURN BY U.S. GOVT		TRANS NOT FURN BY U.S. GOVT		OTHER			
RAIL	T/R	RAIL	NONE/R	TEMPORARY DUTY	TDY	DELAY AWAITING TRANS	DAT
AIR (Commercial Airline)	T/A	AIR	NONE/A	PERM CHANGE OF STATION	PCS	ADVERSE WEATHER	WX
GOVERNMENT AUTO	G/A	PRIVATE OWNED CAR	NONE/P	REMAIN OVERNIGHT	RON	MECHANICAL DIFFICULTY	MEC
MILITARY AIRCRAFT	G/P	BUS	NONE/B	REFUEL	RF		

LAST NAME - FIRST NAME - MIDDLE INITIAL Professor Norbert Wiener	GRADE	ORGANIZATION Invitational Travel Orders	SERVICE NO.
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I. ORDERS			II. PREVIOUS PAYMENTS UNDER THIS ORDER		
SO	HEADQUARTERS 147 AFHQ, AF Unit PO, LA 45	DATE 1 Mar 60	LOCATION N/A	AMOUNT	DATE
PAR		PCS			
		TDY			

III. ITINERARY						
DATE	STATION	TIME 24 HR CLOCK (Give time zone)	MODE OF TRAVEL	REASON FOR DELAYS	TRANSPORTATION REQUEST NUMBERS	
1 Mar	Belmont, Massachusetts		Taxi			
1 Mar	Airport, Boston, Mass.		NONE/A			
1 Mar	Boston, Mass. Airport		"			
1 Mar	Airport, Washington		"			
1 Mar	Arprt, Washington, D.C.		G/A			
1 Mar	Arlington, Virginia		"	TDY		
1 Mar	Arlington, Virginia		G/A			
1 Mar	Washington, D.C.		G/A			
2 Mar	Washington, D.C.		Taxi			
3 Mar	RRW Washington					
3 Mar	RRW Washington		NONE/R			
4 Mar	RR Boston, Mass.					
	DEP					
	ARR					
	DEP					
	ARR					

TRAVEL VOUCHER

D. O. Vou. No. _____

Bu. Vou. No. _____

U. S. DEPARTMENT OF THE AIR FORCE FINANCE
(Department, bureau, or establishment)

PAID BY

Payee's name PROFESSOR NORBERT WIENER

Mailing address HQ AFEMD (ARDC) USAF, AIR FORCE UNIT
POST OFFICE, LOS ANGELES 45 CALIFORNIA
HQ, AIR FORCE BALLISTIC MISSILE DIVISION (ARDC)
LOS ANGELES 45 CALIF.
(Official duty station) (Residence—For use by Postal Service employees only)

Travel and other expenses in the discharge of official duty from 1 Mar 60 to 4 Mar 60 under authority

No. Invitational Special Order 147 dated 1 Mar 60, copy of which is attached, or has been previously furnished. I have a travel advance of \$ _____ to which \$ _____ of this voucher should be applied.

MEMORANDUM

<p><u>NORBERT WIENER</u> (For Administrative Use)</p> <p>APPROVED: _____</p> <p>Total verified correct for charge to appropriation(s) (initials) _____</p> <p>Applied to travel advance (appropriation symbol) _____</p> <p style="text-align: right;">NET AMOUNT TO TRAVELER</p>	<p>21 Mar 60</p> <p>AMOUNT CLAIMED →</p> <p>Differences:</p> <p>_____</p> <p>_____</p>	<table border="1"> <thead> <tr> <th>DOLLARS</th> <th>Cents</th> </tr> </thead> <tbody> <tr> <td style="font-size: 2em;">90</td> <td style="font-size: 2em;">54</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	DOLLARS	Cents	90	54						
	DOLLARS	Cents										
90	54											

The next previous voucher paid under the same travel authority was:
D. O. Vou. No. _____, Symbol _____, paid _____ (Month—year)

MEMORANDUM

ACCOUNTING CLASSIFICATION (Appropriation Symbol must be shown; other classification optional)

Paid by Check No. _____	MEMORANDUM
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AMERICAN SOCIETY OF TOOL AND MANUFACTURING ENGINEERS



10700 PURITAN AVENUE DETROIT 38, MICHIGAN • UNIVERSITY 4-7300

Officers 1960

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March 21, 1960

Mrs. Eva-Maria Ritter
Secty. to Prof. Wiener
Department of Mathematics
Massachusetts Institute of Technology
Cambridge 30, Massachusetts

Dear Mrs. Ritter:

If you have not already received confirmation of Dr. Wiener's reservations, I am sure you will shortly. All reservations are handling through a central office. They will confirm directly to you. However, I am fairly certain that the Wieners will be staying at the Sheraton-Cadillac.

We are delighted to have the Wieners with us on this occasion and will make certain they have a pleasant stay.

Sincerely,

Joan Burczyk
Public Relations Assistant

JB:m

P. S. The Saturday night Awards Dinner, and all functions are informal. A cocktail dress for the Saturday night affair would be perfect.

March 21, 1960

Miss Norma Aronson
335 E. 13 Street
New York City

Dear Miss Aronson:

It is not at all clear to me how automatization can come in in lithography. There may be all sorts of ways that it can play a part in manufacturing and conditioning the plates, the oils etc., but I don't quite see how the sort of lithography which involves the imprinting on the plate of a design of an artist is likely to be effected. There may be a possibility that offset work in the matter of type face can be mechanized in the way in which ordinary printing has been mechanized. As a matter of fact, I am sure that this will come. However, this doesn't seem to hit the heart of your problem.

Sincerely yours,

Norbert Wiener

NW/emr

March 21, 1960

Dr. Richard C. Boys
2622 Haven Hall
University of Michigan
Ann Arbor, Michigan

Dear Dr. Boys:

While I am interested in the program which you mention in the Social Sciences Summer Session, I am unable to participate in it, since at that time I shall already be abroad for the summer and the ensuing semester.

Sincerely yours,

Norbert Wiener

NW/emr

March 21, 1960

Mr. Clemmie Collins
Room 308, Sage Hall
Tuskegee Institute
Tuskegee, Alabama

Dear Mr. Collins:

It is a little difficult to send any information I may have in a field in which I have been working for something like 20 years and in which this information has naturally piled up. I suggest, as far as I am concerned, that you get ahold of my paper back "The Human Use of Human Beings" which appeared in the Anchor Series by Doubleday. I also suggest that you get in touch with Dr. Watanabe in the research labs. of the IBM Corporation at Ossining, N.Y. After that we may come to more concrete questions.

Sincerely yours,

Norbert Wiener

NW/emr

March 21, 1960

Dr. Edward D. Eddy, Jr.
Vice-President
University of New Hampshire
Durham, New Hampshire

Dear Dr. Eddy:

Thank you for your letter of March 14 in which you offer a University car for Professor Wiener's transportation. This offer is gladly accepted, and the time of 3:30 on Monday is convenient. Would it be possible to pick Professor Wiener up at his home? I am enclosing a map Mrs. Wiener made in order to facilitate the finding of 53 Cedar Road in Belmont.

Thank you again for your consideration.

Sincerely yours,

Eva-Maria Ritter (Mrs.)
Secretary to Prof. Wiener

Enc.

[ans 3/23/60]

March 21, 1960

Mr. Douglas Hinton
330 4th Street, S.E.
Puyallup, Washington

Dear Mr. Hinton:

I received your letter of Feb. 24 in which you request that I be of help in the enlightenment about cybernetics.

Why don't you read my book "The Human Use of Human Beings" which has appeared in the Anchor Book series by Doubleday. I think this will give a satisfactory though not too technical an account of the problem at hand. My book "Cybernetics" is currently under revision and is, of course, much more technical than its small popular companion mentioned above.

As to the gadget which will respond to certain musical tones, this is a decoding problem and all such problems have a cybernetic aspect. How important this aspect is depends on the degree of sophistication of the gadget. It is quite possible that this element may not be very prominent, but I cannot say more without knowing more about this device of yours.

Sincerely yours,

Norbert Wiener

NW/emr

March 21, 1960

Mr. Michael B. Marcus
140 Hollister Avenue
Santa Monica, Calif.

Dear Marcus:

Of course you can work with me in September 1961. I shall be delighted! Much of the stuff that I was trying to work out with you is as full of holes as a sieve, but I think we can straighten it out and if not, I can give you plenty more things to work on.

Many thanks for your help in proof-reading and your aid in teaching my class where your work was indispensable for its success.

Please remember my wife and me to your wife.

With best regards,

Sincerely yours,

Norbert Wiener

NW/emr

March 21, 1960

Dr. Henry Allen Moe
The Guggenheim Foundation
551 Fifth Avenue
New York 17, N. Y.

Dear Moe:

Sr. Hoyo was here some days ago, and I got a good impression of his aspirations and of the fact that he is encountering real difficulties in the use of Binet tests and other things like them. I am quite certain that he has a real problem to investigate.

I had better say I was quite certain because after reading his project, I am a little worried whether his fluency is not somewhat to the detriment of the content of his work and ideas. I don't mean at all that he should be turned down, but I do mean strongly that wherever he is sent, there should be some older man who will try to staunch the flow of what obviously stems from an Iberian scholastic cast of mind.

Sincerely yours,

Norbert Wiener

NW/emr

March 21, 1960

Mr. Robert J. O'Donnell
2190 Danberry Lane
San Rafael, Calif.

Dear Mr. O'Donnell:

Since you are speaking of precisely a region in which modern physics has not yet come to an equilibrium, I can't begin to give a positive answer to your questions. The best thing I can say is that I don't know. It is quite possible that physics may in the future take a form in which your ideas may be significant, and it is quite possible that it won't. Anything that I would say would be a snap judgment, and I am a little afraid of snap judgments.

Sincerely yours,

Norbert Wiener

NW/emr

March 21, 1960

Mr. A. Okulov
Principal Editor
"Voprosy Filosofii"
Institute of Philosophy
Academy of Sciences USSR
PRAVDA
Volkhonka 14
Moscow, Russia

Dear Mr. Okulov:

Thank you very much for your invitation to write an article on the theme "Science and Society" for your philosophical journal.

However, let me put off this writing of an article for a time, because at the moment I am extremely occupied with the revision of my book "Cybernetics" and I have also a number of other articles to write to which I committed myself some time ago.

In June I shall be leaving for Europe, and there is a small chance that I might also go to Russia. If so, it will make my sending of an article more appropriate then. But this spring it is quite impossible.

With best wishes,

Sincerely yours,

Norbert Wiener

NW/emr

[ans 5/11/60]

March 21, 1960

Mr. Richard Phillips
1908 State Street
Santa Barbara, Calif.

Dear Mr. Phillips:

I am going to pass the buck! I have a good friend named Marcus at the Rand Corporation in Santa Monica. He has been my assistant in the course I gave on cybernetics and similar subjects last summer at UCLA. Why don't you run up and see him? He can talk over the strong and the weak points in your training and give you advice on the basis of knowledge which would take a considerable time to convey in letters and also can judge how desirable it is for you personally to go into these fields. Why not send him a note? His address is: Michael B. Marcus 140 Hollister Ave, Santa Monica, Cal.

Sincerely yours,

Norbert Wiener

NW/emr

March 21, 1960

Miss Wendy Rabinowitz
Beaver Country Day School
67 Shaw Road
Chestnut Hill 67, Mass.

Dear Miss Rabinowitz:

I shall be in my office on Monday, April 18, and shall be glad to discuss your project with you. However, I must candidly admit that I do not believe any very good purpose is served by the assignment to a young student of projects in which they give questionnaires to people or in which they ask to write about careers which they are many years from entering themselves. You will understand that I am not saying this for any personal pique, but because I think the whole trend of assignments in which one looks up somebody in WHO'S WHO and then writes him up is not worthwhile.

Sincerely yours,

Norbert Wiener

NW/emr

P.S. Time of interview: 2:30 p.m.

March 21, 1960

Mr. Jerome Wyckoff
Managing Editor
The Harper Encyclopedia of Science
630 Fifth Avenue
Rockefeller Center
New York 20, N.Y.

Dear Mr. Wyckoff:

Thank you for your invitation to write an article on Cybernetics for your encyclopedia. However, I am afraid I cannot accede to your request, for I am already grievously behind on several articles I have promised to encyclopedias, and in addition to that on my own work. I find that the existence of these undischarged obligations is a considerable handicap on my own freedom of thought.

Therefore, I must steadfastly refuse to accept commitments which I am likely to be amiss in discharging and which will be a very disturbing burden later on me to fulfil.

Sincerely yours,

Norbert Wiener

NW/emr