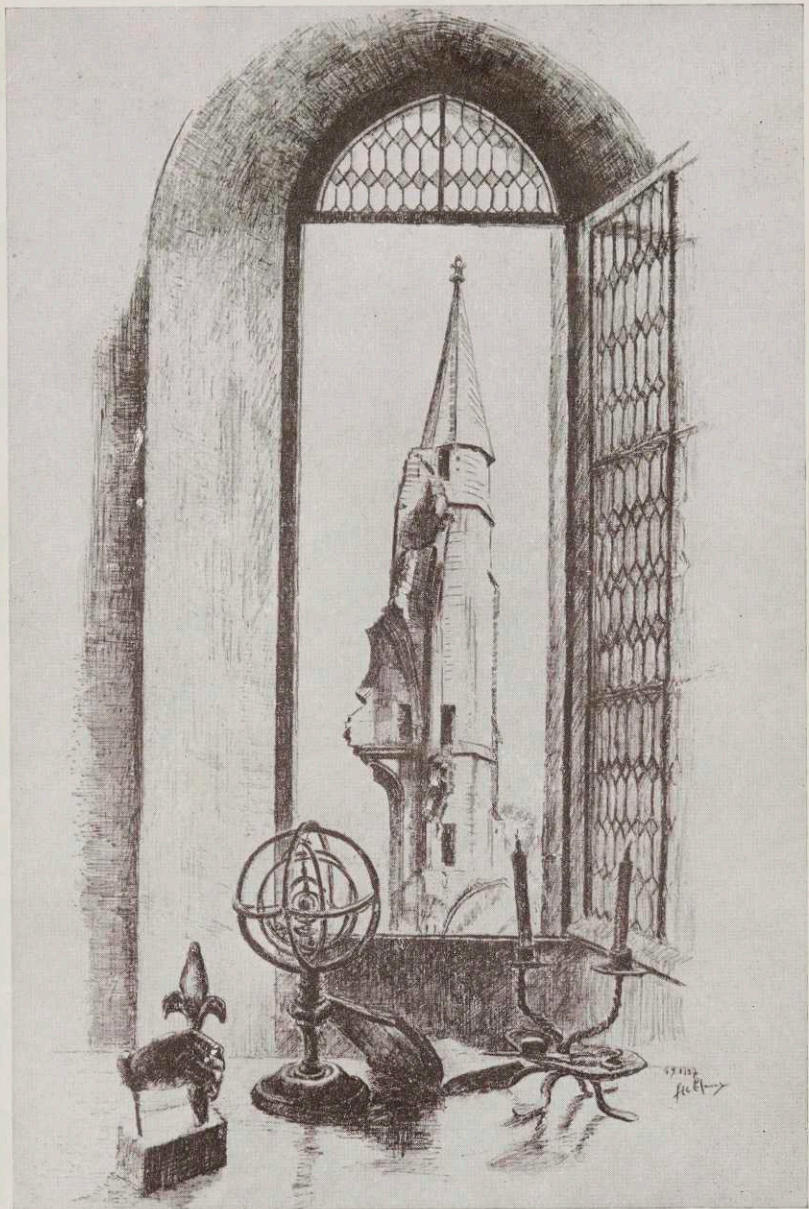


311

CORRESPONDENCE

April, 1962

N. WIENER - MC 22



Cercle Culturel de
ROYAUMONT

ASNIÈRES-SUR-OISE
(Seine-&-Oise)

CERCLE CULTUREL
DE ROYAUMONT

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ASNIÈRES-sur-OISE
Tél. : 18 à Viarmes

Directeur :
Alain Crespelle

LE COMITÉ DES COLLOQUES
PHILOSOPHIQUES INTERNATIONAUX
DE ROYAUMONT

(Président : Martial GUÉROULT)

organise du 6 au 11 Juillet 1962

une rencontre internationale sur

LE CONCEPT
D'INFORMATION
DANS LA SCIENCE
CONTEMPORAINE

(Sixième Colloque)

Avec la participation
de l'Association Internationale de Cybernétique

*Adresser la correspondance au Secrétariat du Colloque
173, Boulevard Saint-Germain, PARIS-6^e*

*Les organisateurs seraient heureux
que M. le professeur N. Wiener
puisse prendre part à cette rencontre*

*Pour l'inscription et
les indications pratiques
voir le bulletin ci-joint.*

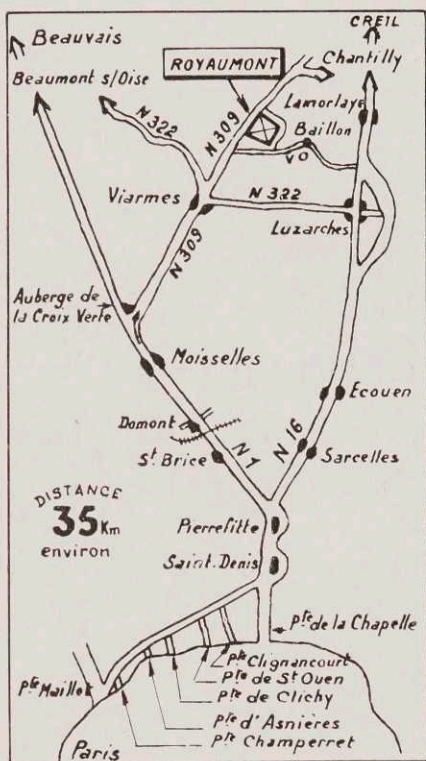
MOYENS DE COMMUNICATION

CARS

Départ place
de Stalingrad.

Pour les
horaires, télé-
phoner à
NOR 08-55.

Arrêt près
de l'entrée
du Cercle.



TRAINS

Gare du
Nord, Ligne
de Persan-
Beaumont.
Changement
à Montsult-
Maffliers.
Arrêt à Viar-
mes. La gare
est à 3 km de
l'Abbaye.

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MM. GUEROULT, Président
WAHL, Vice-président
SIMONDON, Secrétaire

ALQUIE
BECK
CREPELLE
de GANDILLAC
GOLDMANN
GOUHIER
GOUIN
HYPPOLITE
KOYRÉ
LICHNEROWICZ

Le concept d'information
dans la science contemporaine

(6 - 11 juillet 1962)

Ont déjà accepté de participer aux débats:

<u>Allemagne fédér.</u>	<u>France</u> (Suite)	<u>Grande-Bretagne</u>	<u>Tchécoslovaquie</u>
M. FRANK (confér.)	MM. COUFFIGNAL (Conf.)	MM. DITCHBURN	MM. PEREZ (conf.)
	DELAVENAY	McKAY	SVOBODA (conf.)
<u>Allemagne de l'Est</u>	DOUZOU	WHITFIELD	ZEMAN (conf.)
M. X...	FAVERGE		
	A. FESSARD	<u>Pologne</u>	<u>U.R.S.S.</u>
<u>Belgique</u>	FRAISSE	MM. BELLERT (conf.)	2 conférenciers, non encore désignés, sont prévus.
MM. APOSTEL (conf.)	GIRARD	GRENIEWSKI (conf.)	
BOULENGER	GRANGER (conf.)		<u>U.S.A.</u>
VERMEERSCH	LEONTIEFF	<u>Suisse</u>	MM. DEUTSCH
	LEPLAT	MM. BONSACK (conf.)	MANDELBROT (conf.)
	LE LIONNAIS	REY	ROSENBLITH
<u>France</u>	LWOFF		DE SANTILLANA (conf.)
MM. AUBEL	MOLES (conf.)		WIENER (conf.)
BERGE	MOUNIN		
BORIS DE SCHLOEZER	de POSSEL (conf.)		
BRESSON	RICHARD		
CANGUILHEM (conf.)	RIGUET		
CHANGEUX	SCHUHL		

Dès que votre bulletin d'inscription nous sera parvenu, votre chambre sera réservée. Vous recevrez dans le courant du mois de juin le texte photocopié des conférences. Une carte individuelle vous sera remise à l'arrivée en même temps que le programme des exposés. La première séance de travail aura lieu le samedi 7 juillet à 10 h.

-:-:-:-

Un car spécial stationné devant le Centre Universitaire International, 173, boulevard Saint-Germain, Paris-6^e, quittera Paris pour Royaumont, le vendredi 6 juillet, une première fois à 15 heures, une seconde fois à 18 heures.

-:-:-:-

La réception : téléphone, cigarettes, timbres, rafraîchissements, est ouverte sans interruption de 8 h à 22 h 30.

-:-:-

[Ca April, 1962]

Профессору
Норберту
Винеру

Глубокоуважаемый профессор,

кибернетика получает в настоящее время широкое развитие в Советском Союзе. Ваши чрезвычайно плодотворные идеи приобретают очень большое значение для физиологии и техники.

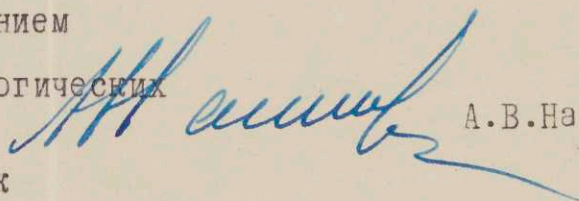
Мы на кафедре высшей нервной деятельности делаем попытку использовать достижения кибернетики для понимания сложных форм деятельности мозга.

Я думаю, что Вам будет интересно ознакомиться с этими работами. Профессор Соколов, который беседовал с Вами недавно в США, много рассказывал о Вас и Ваших работах, связанных с анализом работы мозга. Мы все на кафедре надеемся увидеть Вас в Москве в конце июня и иметь возможность слушать Ваши лекции. Проф. Соколов сказал нам, что Вы говорите по-русски.

Профессор Брайнес уже выслал Вам сборник "Вопросы экспериментальной патологии", где есть статья по кибернетике. Теперь я высылаю Вам нашу новую книгу. Нам было бы очень важно узнать Ваше мнение о нашей работе. Мы были бы очень благодарны, если бы Вы выслали нам свои новые работы по кибернетике.

С глубоким уважением

Кандидат биологических
наук



А.В.Напалков

Старший научный сотрудник
Кафедры высшей нервной деятельности
Московского университета.

Адрес: Москва, Ленинские Горы, Московский университет,
Биолого-почвенный факультет, комн. 431.
Напалков А.В.

[ca. April, 1962]

*On behalf of the President,
the Board of Trustees,
and the Senate of New York University,
the Director of the Hall of Fame
for Great Americans
invites you to be present at the ceremony for the
unveiling of the Bust and Tablet
for*

HENRY DAVID THOREAU

*6 May, 1962, at 3:00 o'clock
in the auditorium of the Library of the University
at University Heights, 181st Street
New York City*

*Please reply
before April 20th*

*Please consider
this invitation as a card of admission*

Participants on inner pages

*Answered
no*

PARTICIPANTS

HIS EXCELLENCY MR. BRAJ KUMAR NEHRU OF INDIA

Ambassador to the United States

PROFESSOR RAYMOND ADAMS

University of North Carolina

First President of The Thoreau Society of America

PROFESSOR LEWIS LEARY

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Elector of the Hall of Fame (N.Y.)

MUSIC

MEMBERS OF THE NEW YORK UNIVERSITY GLEE CLUB

Professor Alfred M. Greenfield, *Director*

Bust of Henry David Thoreau by Malvina Hoffman



The Brothers
of
Phi Beta Epsilon

request the pleasure of your company at

Tea

Sunday afternoon, April the twenty-ninth

nineteen hundred and sixty-two

from two to five o'clock

400 Memorial Drive

Cambridge, Massachusetts

THE LONDON MATHEMATICAL SOCIETY

BURLINGTON HOUSE,
PICCADILLY,
LONDON, W.1.

April, 1962.

The Council has accepted an invitation from Manchester University to hold its May meeting in Manchester, so that those who find it difficult to make the journey to London may have an opportunity of attending a meeting of the Society. The meeting will be held at 5 p.m. on Thursday, May 17th, in the Geology Lecture Room in the Williamson Building, when Dr. I. M. James will give a lecture on "Spaces with Multiplication". Before the Lecture, tea will be served (at a charge of 2s.) from 4.30 p.m. in the Moberley Room, in the Refectory Building.

After the Lecture those attending the meeting are to be guests at a Sherry Party, by the kind invitation of the Vice-Chancellor and Professor Newman. Sherry will be served from 6.20 p.m., to be followed by Dinner at 7 p.m. (at a cost of 17s.6d. per person) in the Hopkinson Room in the Refectory. Wine will be available at an extra charge. In order that necessary arrangements may be made, members intending to have tea before the meeting, and /or to be present at the Sherry Party and Dinner afterwards should notify the Administrative Assistant, Department of Mathematics, The University, Manchester 13, as soon as possible. Members wishing to stay for Dinner should enclose a cheque or Postal Order, made out to the London Mathematical Society for the appropriate amount (payment for wine can be made at the Dinner).

The University main building—built in massive Victorian Gothic and rather black—is situated on Oxford Road, about one mile south of the city. Approached by car from the south it lies on the continuation of Wilmslow Road, one of the main roads into Manchester. The Williamson Building, which houses the Mathematics and Geology Lecture Room, is a red brick building on the opposite side of Oxford Road, and the Refectory is a modern building (still under construction) to the south of the University. Buses nos. 41, 43, 161, 162, leave Piccadilly near London Road Station (late Piccadilly Station) and pass by the University. For members requiring hotel accommodation in Manchester for the night of May 17th, the following hotels are recommended—Brookfield Hotel, Oxford Place, Victoria Park, Manchester 14, Antrim Hotel, 264 Oxford Road and Essex Hotel, 338 Oxford Road, Manchester 13.

Members should note that the only through train leaving for London after the meeting is a sleeping car train at 11.55 p.m. Early booking for this is strongly recommended.

H. HALBERSTAM,
J. A. TODD,
Honorary Secretaries.

[April, 1962]

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

19

Memo to

Prof. & Mrs. Wicent

Room

Ext.

Enclosed is all that's important for you. — As you suggested, I am enclosing the bills from White Fuel, although you have received the earlier ones.

I am quite busy these days, will have to put in $\frac{1}{2}$ day at your office soon to clean up the desk & answer a few letters.

from

Room

Ext.

(over)

Spring is beautiful here. It seems for the 1st time in my 7 years here we are having a real spring - probably on account of the almost snowless month of March.

Do have a very interesting time in Amsterdam.

Best Regards,
Eva Maria Ritar

[ca April, 1962]

Ass. Wreiner

Would you sign a check &
have Prof. Wreiner sign Form 941.
Then you might mail both back
to me so that I may attach
Form 941 (Schedule A) & send it off.

Thank you.

Ever & R. W.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

..... 19

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

from..... Room..... Ext.....

[E. April, 1962]

Dear Prof & Mrs. Wines

Enclosed is the weekly mailing. All is well here.

I am sorry to write such a short note, but I am in a rush due to baby-sitter difficulties. At present I am not working, finished the last job on April 30.

However, I think after house & garden are cleaned up, I shall return to work - can't sit still.

Best regards as always,
Eva-Marie Ritter

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

..... 19.....

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

from..... Room..... Ext.....

The Hallmark Greeting-Cards Co.
sent a very fine art-book today -
Quite good reproductions of "letters
in portraits" (Gainsborough, Van Lues etc)
I don't know how the text is - I haven't
looked at it. If you have no objection,
I shall keep it at home until you
return. —

I have talked to Mr. Weld - he
has received your check & has asked
me to send the Fed. Quart. Tax Return
forms & check to him. He will forward
it. Apparently, he needs my figures for
his files.

Spring is lovely this year although
quite unpredictable, as is expected
of April.

It seems these are all the news.
My best wishes to both of you,
Regards to Prof. Casanillo.

As always,
Eva Maria Pittel

(April, 1962

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CAMBRIDGE 39, MASSACHUSETTS

Dear Prof. & Mrs. Wiener,

Thank you for your note & card.
I am glad that all went well in
Amsterdam, but, of course, it had
to!

How is Prof. Wiener taking all the
traveling? Has his walking improved
greatly & has the cane been dis-
carded? — I imagine I will be
briefed in more detail when
Dr. Puerto comes back.

Enclosed besides various other pieces
of mail are the galley proofs of I am
a Mathematician & Ex-Prodigy
combined. I imagine a letter from
the Econ-Verlag will follow soon.

Since we are on this subject, how
~~is~~ are the Yale lectures doing? Will
they be printed soon or don't you know
yet?



*The President and Board of Trustees
of
Villanova University
request the honor of your presence
at the
Dedication
of
The New Science Center
Mendel Hall
on
Saturday, April the seventh
nineteen hundred and sixty-two
at eleven o'clock*

R. s. v. p.

THE JEWISH YEAR BOOK

Telephone :
HOLBORN 9252

THE JEWISH CHRONICLE LTD.
(Publications Dept.)

Telegrams :
"JAECHRON, LONDON, TELEX."

37 FURNIVAL STREET
LONDON, E.C.4

Please return at latest before June 1st.

The Editor of the Jewish Year Book will be glad if you will be so good as to correct the attached cutting from the last edition of the Year Book for the purpose of inclusion in that now in preparation.

The undermentioned particulars should be shown : (a) Names in full and maiden name (if a married woman or widow), (b) place and date of birth, (c) *principal* literary works with their dates (pamphlets and articles in periodicals should *not* be stated), (d) *principal* offices held (with dates), (e) permanent address and telephone number.

WIENER, Norbert, M.A., Ph.D.; b. Columbia, Mo., Nov. 26, 1894; Prof. of Mathematics, Mass. Inst. of Technology. *Publ.*: Cybernetics, etc. *Ad.*: 53 Cedar Rd., Belmont, Mass., U.S.A. *T.*: Ivanhoe 4-0021.

My answer

Have told him that I
would forward it to you.

from: John Norris
JN TANGEN
USAG
APO 227,
NY, NY

Prof. Norbert Wiener
c/o MIT

Dear Norbert,

Your memory of me at the Amsterdam Congress may well be quite impersonal; but I remember having enjoyed you as a person. I doubt that we exchanged many intellectual ideas & I've no idea whether you read my abstract of the paper entitled:

A topometric model: impact upon RNA system of cerebral hemorrhage at birth

One of the items I left out of the paper was my analogy ^{"fusion" & "firing"} between evolutionary processes which seem unrelated, but which must have structural equivalence:

The tendency, first of all for one neuron to fire, and later for sets of neurons to fire "almost" simultaneously, with the probability that each successive set of firings will involve more neurons than the the last set, (until a maximum is reached--once ~~one~~ the sets of firings begin to decrease they decrease to minimum and don't begin to decrease until stimulated by outside information)... is a typical evolutionary ergodic game tendency--and RNA is a typical originating, (initial), (inertial), outside force which may stimulate the cyclic trend, after a tendency has run wild to the extreme (near extreme, boundary conditions) and then stuck at or near an extreme boundary. A similar thing happens either when fission leads to fusion or when fusion is achieved by multistage amplification of plasmas by LASERS --! At each of the many stages, gains in pressures, temperatures, & velocities are solidified, a regularity of cycle is set up & then outside forces are introduced to modify & eventually increase the temperatures, pressures & velocities to a higher, more complex evolutionary stage. Near the extreme, at the boundary, the evolutionary system sticks, the hydrogen fuses & the energy is released. In the brains the information "sticks" in an equivalent way & the brain runs on a few watts of outside power.

The clocking mechanism Prof Wiener has so often inquired after is the RATE of RNA production--which governs the alpha rythm...

During sleep the alpha rhythm fades because the Rapid rate of RNA production necessary during intense physical or intellectual activity (when RNA is borrowed from glia cells) --is not necessary... By the same token--as RNA & alpha rhythm decreases--"sleep knits up the unravelled sleeve of care--"sleep" mends... Cellular reproduction, which is separate from "extraordinary" RNA rate increase-- is the dominant activity during sleep. The periodicity can be modified because sleep can be postponed just as easily as intense physical or intellectual activity can be postponed; but after normal thresholds have been exceeded the organism may be made aware of the abnormality & it becomes necessary to fight off the tendency either toward slumber or the urge for intense physical or intellectual activity... Postponement or delay eventually has cumulative effects, ...within limits the organism can adjust to lack of sleep or lack of excitement (sex, athletics, dance, intellectual activity etc) & the real time occurrences of polar activities (sleep & excitement) can be reversed-- so the sleep is day event & excitement a night event--a permutation; but when long polar intervals are juxtaposed & one normal cycle of excitement follows another, one slumber follows another without interposed excitement, the cumulative process begins... an evolutionary adaptation must be made within the organism & to some extent without--e.g. the organism "takes it out on others"... becomes irritating & is irritating.... Sleep can be called a negative event re RNA production & excitement the positive pole... Alas, 90% of real time finds the organism in the mediocre area, far from the extremes of deep sleep on the one hand and intense excitement on the other hand (e.g. the intense excitements of poetry, computation, geometric & topometric abstraction, music, sex, dance, athletics, etc etc..) Dreams may be near to excitement or near to deep sleep depending upon content...

Aside from the non-linear mathematics of a non-fission evolution toward fusion, there are several obvious practical suggestions which occur to the mathematician in his role as director of applied research and amateur engineer---

EXTRAORDINARY....

To Werner

3--

Presumably it will be worth the money to drill more and deeper "Moholes"--penetrations into the earth which will enable us to concentrate laser beams upon ^{compressed} plasmas containing hydrogen nuclei... It would seem advisable to construct a network ^{formed deep or preferably in the shape of a "Klein bottle"} deep in the core of the earth wherein many laser beams could be used, together with deep freeze techniques. More important than the straightforward brute attempt to attain high temperatures is the necessity of contrasting the lowest attainable temperatures with the highest attainable by non-fission methods. Obviously "Bottle" surrounding the region of intended fusion should be as cold as possible, and the necessary mechanism is one which will enable the temperature of the surrounding bottle to drop to almost absolute zero as the oscillations per laser techniques of ^{rise} plasmas toward fusion temperatures, fusion pressures, fusion velocities. The "gains" of previous oscillation "highs" must be preserved by evolutionary processes so that supplemental mechanisms can lock-in with the temperature "waves" or compression "waves" generated by sudden pressures, and amplify the temperatures to new highs which in turn will be preserved. It was a sad mistake ever to have begun to attain fusion without a multi-stage design for the experiments as an evolutionary process.

In a long essay for Oliver D. Wells, President of the Artorga Research Group, Beaulieu, Hants, England and publisher of the Artorga mimeod monthly communication, I have developed an extremely tight application of set theory ~~neural-nets~~ to neural nets which have become ^{fractal} "brains" of almost perfect memory and finally ^{become} the cortex of geni with the almost perfect ability to forget all but the most essential facts necessary for a given theory. Under the title of:

APPLICATION OF SET THEORY TO NERVE CELLS

This tight essay ^{is} about a dozen large typed pages this essay can be made available to anyone interested in my work. Since the mathematics has been translated into English words entirely, I doubt that you or anyone will feel that I have appropriated yours or others' original mathematical ideas. A few simple equations have been expanded into many pages of prose per equation. Possibly those of you who can understand the equations will not appreciate the tight prose....

Sincerely
John H. Hays
Tanger

Prof. Norbert Wiener
53 Ceder Street
Belmont, Mass.
U. S. A.

Dear Sir:

It is a genuine pleasure for me to write this letter to you, by asking Mr. Shikao Ikehara about your address.

As I am greatly interested in your distinguished work namely, "Cybernetics" (translated by Mr. Shikao Ikehara), above all in connection with my own philosophical study I take the notice of your reference to the philosophical work of Dr. F. C. S. Northrup. Then I hope to know the way how to know the Northrup's analyses of philosophical meaning of Cybernetics. So, for example, would you please teach me the name of his representative books. More, if you teach me the address of Dr. F. C. S. Northrup, I will be very happy.

Waiting for your answer, I am

Very Sincerely yours,
Tadasu Hosokawa (An assistant Prof. of
philosophy, Osaka Shoin Women's Univer-
sity)

122 Aioi-cho,
Nishinomiya,
Japan.

Massachusetts General Hospital

Boston 14

IN BOSTON

GENERAL HOSPITAL
BAKER MEMORIAL
PHILLIPS HOUSE

BURNHAM MEMORIAL FOR CHILDREN
HALL-MERCER HOSPITAL
HUNTINGTON MEMORIAL HOSPITAL
VINCENT MEMORIAL HOSPITAL

DEAN A. CLARK, M.D.
GENERAL DIRECTOR

IN BELMONT
MCLEAN HOSPITAL

ALFRED H. STANTON, M.D.
PSYCHIATRIST-IN-CHIEF

IN LINCOLN
STORROW HOUSE
(CONVALESCENTS)

April 2, 1962

Professor Norbert Wiener
281 Via Posilippo
Naples, Italy

Dear Professor Wiener:

Your recent letter has arrived and will be circulated among your friends at the Massachusetts General Hospital.

I look forward to seeing the galleys on your Perry lectures. Philosophy has always been of deep interest to me. Karl Compton's father was one of my teachers in my college days and the writings of true scientists on religion as they see it are I think likely to be a closer approximation to the truth than are those of the 'specialists' on religious matters. For myself, religion is an emotional experience which I not only enjoy but which recharges my batteries in a way which other emotional experiences, art, music, the drama, poetry etc. approach but do not replace.

By the way I hope you saw the fountain at the palace - Barcelona. It is spectacular.

Your allusion to the work on dogs with their 8th nerves cut but with vibratory tactile replacement is interesting.

Dr. DeLorme tells me that our apparatus etc. is slowly being collected and I hope that before you return we will have some E.M.G. data collected on amputee patients.

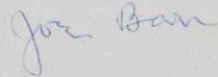
I am delighted that your hip is behaving well. Fifty or one hundred years ago doctors frequently prescribed a course of treatment at a European Spa as a 'cure' for arthritis. Your present trip sounds as though it is good fun, and intellectually stimulating -

both are proper medicine for a fellow like you.

Please give Captain Streit my regards - you can rely on him as a man of excellent orthopedic judgment.

We await your next epistle to the Bostonians with great anticipation.

As Ever,

A handwritten signature in blue ink that reads "Joe Barr". The signature is written in a cursive, slightly slanted style.

Joseph S. Barr, M.D.
CHIEF ORTHOPEDIC SERVICE

jmk

Los Angeles City Board of Education

ADVISEMENT SERVICE

1601 So. Olive Street, Room 209

Los Angeles 15, California

Richmond 9-9263

Ellis A. Jarvis
Superintendent of Schools

T. Stanley Warburton
Associate Superintendent
Division of Extension
and Higher Education

3822 Evans,
Hollywood 27, California.
April 2, 1962.

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

Dear Professor Wiener:

I am taking the liberty of sending you a copy of my review of Gardner Murphy's book "Challenge of Psychical Research: A Primer of Parapsychology" from Contemporary Psychology. I believe that some of the comments on probability theory and ESP (Extra-Sensory Perception) may interest you.

I wish to thank you again for taking the time to talk with me at a time when you were extremely busy, about your remarks on the parapsychology seminars in the Soviet Union. If any of that material is printed and is available I would appreciate having it sent to my home at 3822 Evans, Hollywood 27, California.

Yours truly,

H. Rogovin

Campaign for Nuclear Disarmament

2 Carthusian Street London EC1

Clerkenwell 5146/7



April 3rd, 1962

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

Dear Professor Wiener,

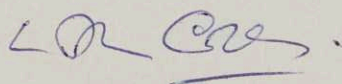
The Campaign for Nuclear Disarmament in co-operation with the President of Ghana, Mr. Nkrumah, and the Ghana Council for Nuclear Disarmament, is organising a Conference in Accra from June 21 - 28 this year. I am enclosing two documents giving detailed information about the Conference and also copies of the reports of four of the committees (mentioned in the pamphlets) which met recently in Zagreb. The fifth report will be ready shortly.

I hope very much that it may be possible for you to attend this Conference. All expenses and costs of travel will of course be met.

Dr. Homer Jack and Dr. Linus Pauling have already agreed to come and we are also inviting Mr. Martin Luther King, Professor Riesman, Dr. Melman, Walter Lippman and Dr. Inglis.

I would be grateful if you could let me know as soon as you are able whether it is possible for you to come to Accra. I hope very much that you will be able to join us and I shall be happy to arrange, if this is so, for an official invitation to be sent to you from Ghana.

Yours sincerely,


Canon L. John Collins.

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A. S. Frere
Gerald Gardiner, Q.C.
Victor Gollancz
Anthony Greenwood, M.P.
Dayan Dr. I. Grunfield
Arnold Haskell, C.B.E.
Barbara Hepworth, C.B.E.
Patrick Heron
Christopher Hollis
The Rev. Trevor Huddleston, C.R.
Sir Julian Huxley, F.R.S.
Edward Hyams
Professor H. D. Kay, F.R.S.
Marghanita Laski
Doris Lessing
Benn Levy
The Bishop of Llandaff
Lt. Col. Patrick Lord-Philips
Sir Compton Mackenzie
The Rt. Rev. George F. MacLeod
Miles Malleon
Kingsley Martin
Denis Matthews
Sir Francis Meynell
Ian Mikardo
Henry Moore, C.H.
John Napper
John Neville
Ben Nicholson
J. B. Priestley
Sir Herbert Read
The Rev. Harold Roberts
Archbishop T. D. Roberts
Dame Flora Robson
Professor J. Rotblat
Charles Royle, M.P.
Dr. Frederick Sanger, F.R.S.
Sidney Silverman, M.P.
The Rev. Dr. Donald Soper
The Bishop of Southwark
Michael Tippett
Vicky
Professor C. H. Waddington
Sc.D. F.R.S.
Lord Wilmot
Professor Barbara Wootton

I am forwarding the documents under separate cover. Have not answered.

EMR

[ans 5/10/62]

43 Pleasant Lane
Levittown, L.I., N.Y.
April 3, 1962

Dear Mr. Wiener,

I am in the sixth grade and I'm doing a report on the Industrial Revolution. Part of it will deal with Automation. Because you played an important part in the development of Automation, I had hoped you would give me your opinions on Automation and any extra comments. I will appreciate any help you give me.

Yours truly,

Joel Hockett

Joel Hockett

April 3, 1962

Dr. Jose Ma. Samsó Dies y Senora:
Paseo San Gervasio 70
Barcelona (6)
España

Dear Dr. Samsó Dies y Senora:

We are writing this letter to you in English because we feel that our Spanish would be quite inadequate to thank you for the very cordial reception you and your associates gave us and the extraordinary hospitality we enjoyed during our stay in Barcelona. This visit will always remain the high point of our trip through Spain. Rarely have ^{we/} met a more delightful and congenial group of friends and been treated with greater courtesy and true kindness. We have learned so much about Catalonia from you, and the valuable books given us will be permanent reminders of the very pleasant and rich days spent with you in your city. Please convey again our thanks for the magnificent mantilla given to my wife by the Cybernetic Society.

Please also give our greetings and best wishes to Dr. Montserrat Professor Freixa, and the other gentlemen who helped to make our visit such a memorable one. If you have any reprints that you feel would be of interest to the Institute here which is establishing a course in Cybernetics leading to the doctorate and is conducting a special spring session on the subject, kindly send them to Professor E.R. Caianiello at the address above.

We are leaving for Amsterdam the end of next week to attend the Second International Congress of Cybernetic Medicine. Perhaps you will find it possible to come after all. With best wishes and greetings from our house to yours as well as to your parents whom we had the pleasure to meet at your house, we remain, sincerely,



SAVOY HOTEL LONDON

TELEPHONE, TEMPLE BAR 4343 TELEGRAMS, SAVOTEL LONDON

April 9, [1962]

Dear Dr. Wiener,

Your letter of March 20th reached me at Kendal last Friday, but I frankly put off replying till now.

You may remember that I had used the New Year's weekend to make a chess table for Gregg Bemis. In doing all the sanding work necessary for the hand-reeded finish, I became overheated, thus the touch of pneumonia. As soon as I was able, I finished the table and delivered it to Gregg. It was, thanks to my brother's help, a professional looking job. Gregg, at second thought, pursued a line of questioning aimed at learning if I indeed had made the table. I couldn't answer.

If it weren't for you and Gregg, I would not have tied in with William Coolidge. But while Gregg has known me longer, I felt you knew me better. After thinking over Gregg's suspicions, I mentally forgave him, recognizing that the business world makes one ever alert.

Last night I saw a play, "The Affair" centered on purported scientific fraud by a Cambridge Fellow. It made me remember that the academic world, as you once intimated, has its full share of politics, plots, and avarice ("..... a world of don eat don."). So it is as natural for you to question my actions.

Had I known that Jack Ferner had written you, I surely would have written. Here is the situation as it developed.



SAVOY HOTEL LONDON

TELEPHONE, TEMPLE BAR 4343 TELEGRAMS, SAVOTEL LONDON

3.

Apparently, about the time I returned from England a year ago, Jack Brennan (an associate for $3\frac{1}{2}$ years), had persuaded Jack Turner ($5\frac{1}{2}$ years) to anticipate and strengthen a bargaining position for the advent of venture capital and stock. Accordingly some descriptive paragraphs were planted in the lab notebook. Then in August, after a pious delay for my recovery, Brennan wrote me from England that he was unhappy and would probably leave the company. Taking this cue unwittingly I prematurely (the lawyers were still to drag matters for 4 months) approached Bill Colledge and said that

I wanted to be sure the Jack's
would have access to some stock.
Coolidge's reply struck me at the time;
he said that (in such circumstances)
the key men rarely stay on.

This past November, on the eve of
Jack Ferner's departure for Germany,
I anticipated completion of all legal
matters and made top priority our
putting down together an equitable
stock bonus plan. However I insisted
that he first see a knowledgeable
person in the financial world to
better know what a good deal was.
Jack went off ostensibly to do this;
I learned later (from a letter by
Ferner to Brennan, carefully left
behind by Brennan) that he indeed
visited General Foods' patent counsel
at White Plains.

At any rate, Jack Ferner came to



SAVOY HOTEL LONDON

TELEPHONE, TEMPLE BAR 4343 TELEGRAMS, SAVOTEL LONDON

5.
agreeable terms before departing. But
once in Germany, Brennan visited
him and I next learned that
nothing we had mutually developed
was agreeable.

Brennan came back from England
for 3 weeks at Christmastime and
made a few brief appearances
at the office for bargaining purposes.
He then showed his hand by
claiming to be an inventor of
~~FORWARD~~. It developed that he was
trading on the former fact that a
patent could be invalidated if other
than the inventor's name was on the
issued patent. In law, subsequent to
'52, patents are no longer invalidated
but merely corrected.

6.
In conclusion, I let Brennan bargain himself right out of FORWARD and I have just about made peace with Ferner — recognizing he was not the instigator.

Both Gregg and Bill Coolidge contacted me on receipt of Ferner's letter and offered guidance to keep both Jacks. The consensus was that I should not be alone at this time. At this writing I could use both Jacks thanks to a highly successful paper presented before the British Boot and Shoe Institution this past weekend.

But on my own I drew a line between the tempter and the tempted.

Perhaps these explanations may alter your feelings Dr. Wiener.

Were you a businessman you too might have advised a quick peace and putting a "hooker" in the



SAVOY HOTEL LONDON

TELEPHONE, TEMPLE BAR 4343 TELEGRAMS, SAVOTEL LONDON

deal. However I suspect I acted
as you would have advised.

Now that large scale licensing
is imminent attendant problems
will occasionally require your
participation. Selfishly I want and
need your moral strength.

I would ask that you suspend
matters until we meet. If you
are going to be in Amsterdam
from 24-27 April, I could plan
on meeting you there.

Sincerely,
Morton

[ans 4/11/62]

1

Date April 4, 1962

Dear Gentlemen:

I was reading a book on Computers when I ran across your name in the book. The book said that you wrote a book structure of the Brain and nervous systems, then parallels with the behavior of machines, able to compute and control.

Will you please send me this book, I would appreciate it very much. My reasons for wanting this book is that I am doing a County Science Fair projects and I feel that this book will help me to very much. My project is on computers and brains, how the both are related in many ways.

The following information was printed about this book: 1949 printed, 194 p.p.

PS

Thank You

I am a sophomore in High School

My address is

Bill Buckhoff
617 Sherwood Ave.
McFarland, California

answered that
book is either Cyb.
or The Human Use...
available at most book
stores

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CAMBRIDGE 39, MASS.

DEPARTMENT OF MATHEMATICS

April 4, 1962

Dear Prof & Mrs. Wiener,

Thank you for your letter of Mar. 29 and the enclosed check. It certainly is a better way of coping with the salary as the amounts are relatively small. In my next letter, I shall bring you up to date on this.

I have just seen Mr. Cobit who sends his regards and is very happy that Prof. Wiener will write him soon as he is unable to go on with his particular problem until he has some "feedback" from Prof. Wiener.

I am sorry that the bank statements were not forwarded soon enough, but since you ^{have} told me that you wish them right away, I have tried to send them off directly. - I called the Bank so they will forward all mail to this office. (You can also have it sent directly to Naples if you like.)

I have tried to get in touch with Mr. Weld several times (by phone), but I could never get him and have finally sent him a note last week.

The letter written by Mr. Bates, I suspect, slipped in by mistake, because I certainly would not have forwarded it otherwise.

I have ordered 5 glossy prints and expect them
this week - the ^{clafs.} billiofs. sheets I enclose today.

The Board of Overseers of Harw. College has sent
forms for election which I shall forward by
seamail, but the ballots will have to be in
before June 8. (It's a little heavy.)

This seems to be all for the moment.
Thanks again for the check!

Have a very pleasant time in Amsterdam!
You will see Dr. Oresto there, too.

Best regards,
Eva-Maria Ritter

INSTITUUT VOOR PERCEPTIE ONDERZOEK

INSULINDELAAN 2 - EINDHOVEN April 4, 1962

TELEFOON:

0 4900—65703

0 4900—60000 — Toestel 7390

0 4900—68000 — Toestel 206

JFS/EK

No.62/76

Dr.N.Wiener

Instituto di Fisica Teorica

Universita di Napoli

Mostra d'Oltremare, Pad. 19

N a p o l i

ITALIE

Dear Dr.Wiener,

Many thanks for your letter of March 19. After my letter I already heard from Bok that you will participate in the Amsterdam congress, where I certainly hope to see you.

We shall be delighted to have you in Eindhoven. May I suggest the following plan since you mention "directly after the congress".

The congress terminates on Thursday. I could take you both by car to Eindhoven on Friday morning. My wife will gladly take Mrs.Wiener under her wings having heard so much of her. We then go to my laboratory for your lecture and the demonstration of our various activities.

In the evening we would like to have you both for dinner at our home and I can then take you back to Amsterdam or any other place fitting within your travel program.

I am keenly interested in your research on the cybernetics of prostheses. We did quite some work on arm movement on the one hand and are also interested in help to the invalidated on the other hand.

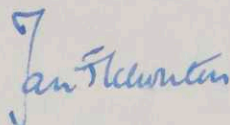
Why not choose this research of yours as the subject for your lecture?

Could you please let me hear by return mail whether the visit on Friday April 20 suits you and whether you agree on the title of the lecture.

With kind regards to Mrs.Wiener,

looking forward towards seeing you,

yours sincerely,



J.F.Schouten

Received too late

1526-Sixth Street
Portsmouth, Ohio
April 5, 1962

Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Sir:

I am a eighth grade student and would like to know if you could send me some information (both pro and con on the debate resolved: Technology may lead to the moral downfall of man. any information would be appreciated.

Thanks for your kind cooperation,

Janie Pellegrinon
1526-6th Street
Portsmouth, Ohio

P.S. Please send by the 10th of April or even before.

April 5, 1962

Dr. J. P. Schade, Secretary-General
Netherlands Central Institute for Brain Research
Mauritskade 59b
Amsterdam, The Netherlands

Dear ~~Dr. Schade~~:

I am delighted with the cordiality of your invitation to Amsterdam. Now as to the content of my lecture I should very much like to give an introductory lecture, but frankly, a comprehensive treatment of the present state of the cybernetics of the nervous system does not appeal to me. In the first place, it would involve a large amount of reading for which there would not be time and the necessity of not ignoring anyone. I am not good at this sort of work, and I am greatly afraid that I might do more harm than good.

On the other hand, there is a specific problem in which I am very much interested which also has to do with the nervous system not alone but in its relation to the external world. I am referring to the entire ^{neuro-}muscular arc from the external stimulus through the sensory nerves, the integrating action of the brain, the motor nerves and finally the muscular action. In such an activity as walking the conclusion of the action starts another similar cycle and so on indefinitely. Here I am very much interested in questions of prostheses, both sensory and motor. On the one hand this is an important activity for the benefit of mankind, but on the other it is an important method for the *experiment* of reflex arcs which are injured somewhere in their total cycle.

On the muscular end there is the problem of obtaining valid signals from injured nerves and, more particularly, from muscles which have lost their normal attachment. Here we can make use

2.

of the action potential of the muscles which can be amplified to the extent that they can actuate electric motors. It is conceivable that a direct take-off may be found from nerves, but owing to the great ^{their} propensity to degenerate when interfered with, I do not consider this approach to be immediately promising.

There is also the problem of a proper telltale response to the position, pressure, etc. of the artificial limb. Some of the kinesthetic return from the mutilated muscles may be substantially normal, but artificial fingers, for example, need pressure gages which can actuate appropriate stimulators on the skin. This return will have to be a learned response, and the question of the learning plasticity of the nervous system of new responses comes in.

Even as to the kinesthetic response Professor Braitenberg of the Istituto de Fisica Teorica has pointed out to me that this may depend in the normal subject not merely on the state of contraction of the muscle, but on the position of the terminal organs actuated by the muscle. I have thought of various means by which this can be made as normal as possible for a wide range of positions. Some of these means depend on possibly of dividing the muscles into proximal and distal parts, of the distal parts and of stimulating electrically from the terminal apparatus in such a manner as to make the state of tension of the muscle correspond as normally as possible to the normal state of tension for the same position of the terminal apparatus. It is naturally only a suggestion which it may be possible to carry out. However, it is on the exploration of such suggestions that the value of research on prostheses depends.

3.

In the leg it is important to realize that the leg is used not only for voluntary action but for the pattern action of walking. It may be well to have two distinct signal take-offs for the different types of action. For example, the signal for voluntary action must come from the muscles on the stump; whereas the signal for walking might well come from the muscles of the sound leg with a change of phase engineered in one of several possible ways. There will have to be a mutual inhibition between the two actions to permit the subject to start or stop walking, to get up out of a chair, turn a corner, ~~and~~ ~~go~~ down off a pavement and so on. The unlikely or more complicated interaction between the two sorts of motion may be engineered in the electrical part of the apparatus outside the body.

It will be seen that the solution of these problems will involve extremely serious work on the learning of conditioned reflexes and on the engineering of systems with both human and mechanical elements. It is for this reason that I consider this lecture for an introductory lecture at the Congress.

I have engaged actually in a research of this sort together with a Boston group of medical men and engineers with the support and under the auspices of the Liberty Mutual Insurance Company which is playing a very prominent role on questions of rehabilitation. The circumstances under which this work began (it is a consequence of work already done by the Russians for which they attribute to me the original stimulus of ideas) are somewhat amusing and interesting, and I shall comment on them in my talk. Meanwhile, I am commissioned by my group to find out various things, possibly about relative work done or contemplated in

4.

in Europe, and I am looking forward to the Congress as an admirable opportunity to do so. I hope that these plans will meet with your approval.

I wish to thank you for taking care of my hotel reservations and for considering me an honorary guest of the conference. I certainly appreciate your wanting to meet us at the train, considering how busy you will be at that time. Our train leaves Naples Saturday, April 14, at 11.20 a.m., and after a change of trains at Milan, we are due to arrive in Amsterdam at 2.11 p.m. on Sunday.

It will be a real pleasure to meet you and Professor Bok again in Amsterdam.

Yours sincerely,

Norbert Wiener

5A, Woodcote Valley Road,

Purley, Surrey, England.

Professor Norbert Wiener,
c/o The Massachusetts Institute of
Technology,
Massachusetts, U.S.A.

6th April, 1962.

Dear Sir,

I have just read your book "Cybernetics" and was especially interested in the section dealing with brain waves.

Although my education does not permit me to follow your mathematical treatment in detail, it occurred to me that the following method of automatic spectra analysis could prove useful for rapid comparison between the brain wave spectra of different individuals. The spectra, after being photographed, could be filed for accurate statistical comparison.

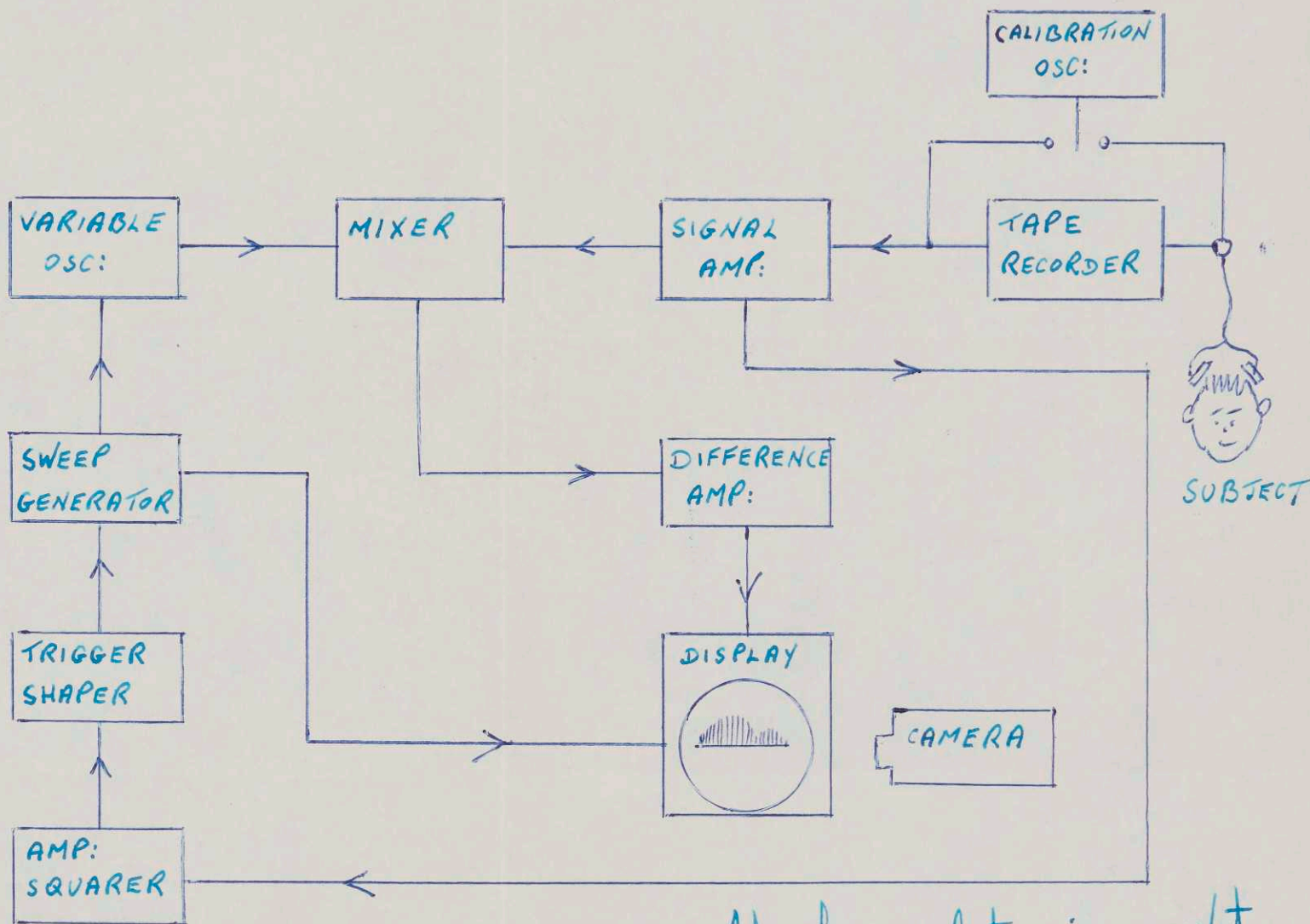
In order to achieve a reasonable resolution, the signal frequency components would have to be multiplied. This could easily be accomplished by recording the signal at a slow tape speed, then playing back at a faster speed. By expanding the display and varying the trigger, narrow bands of the spectra could be studied in detail.

Yours sincerely,

D. E. Pledge

D. E. Pledge.

SPECTRA ANALYSER



If the oscillator is swept over a narrow band of freq: & if the difference amplifier has a pass band of a few cycles only then the display will clearly show the spectra of the signal.

Naples, April 6, 1962

Professor B. Charles
Dean of the Faculty of Sciences
University of Montpellier
Montpellier

Dear Professor Charles:

I hope you will accept, although somewhat late due to the circumstance of our travels, our very sincere thanks for your kind invitation to visit your University on the way to Italy and for your generous hospitality and the very interesting new contacts we made during our delightful stay. The opportunity to visit one of the good universities in Southern France together with what Professor Akutowicz told us of his stay there was most welcome.

The trips planned for us by you and your kind colleagues to Nimes, Aigues-Mortes and the surrounding countryside added a great deal to our understanding of that part of France.

May we thank you again. With best wishes to you and Madame Charles, we remain,

very sincerely yours,

Naples, Italy
April 6, 1962

Professor Dr. J. F. Schouten:
Institut Voor Perceptie Onderzoek
Insulindelaan 2
Eindhoven
Nederland

Dear Dr. Schouten:

I have your very cordial letter of April 4, and want to say that Margaret and I shall be delighted to accept your kind invitation to come with you on Friday, April 20, to Eindhoven for the day. I am agreeable to give the talk you suggest on the subject of cybernetic protheses, but I must tell you that I am planning to talk about the same research at the Congress. If you feel that this would be too much of a repetition, we could perhaps find another subject

With best wishes from house to house, we look forward to seeing you and to meeting Mrs. Schouten.

Sincerely,

Norbert Wiener

P. S. Is Wassenaar near Amsterdam or Eindhoven and do you happen to know if Mrs. Van Der Pol is at home at this time?

P.O. Box 247
Lashburn, Saskatchewan
Canada
April 7, 1962

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

Dear Dr. Wiener:

Let me introduce myself. My name is George B. Cook and if you attended the General Semantics Summer Seminar-Workshop last August at the University of California you should remember me, the only Canadian there. If not, please read on and my reason for writing to you in this manner will soon become clear.

I apologize for writing to you in this way rather than by a personal letter but with 22 letters to write I just haven't got the time to write them separately.

Since September 1961 I have been teaching a grade seven class in this small town. This is my first year of teaching. Where possible I have experimented with teaching in as 'creative' a manner as I could and have tried to get across, usually unsuccessfully, some of the G.S. principles.

This kind of teaching I have often not found easy as many of my experimented have flopped. On one hand I am not at all satisfied with my accomplishments but on the other hand have learned more from experimentation and failure than probably most teachers who have stuck to the orthodox, straight and narrow, tried and sure way. However, if I were satisfied with 'all' that I have done would I not then have reason to consider myself a poor teacher, indeed?

I am asking your help with another one of my experiments.

My students have been asked to (if they wish to) write an essay for which the first prize will be \$10.00. (For a grade seven student this is quite a bit of money.) The 14 prizes being offered total \$30.00. They are to attempt to determine why some students have a 'poor' 'attitude' towards school and hence resist learning and what, if anything, might be done to change this 'attitude'.

My purpose^s might be said to be:

- (1) to get them to focus upon their own 'attitudinal sets' (attitudes) so that possibly it might help some of them change
- (2) to get them to focus upon the attitudinal sets of others
- (3) to learn something, myself, from their essays
- (4) to get them to experiment with ways of fact-finding by writing to strangers

One and only one of my students might write to you asking if you could tell them anything about this subject. Your name, was chosen, without my help, by the student from a list of names supplied to him (or her) by me.

*if letter arrives in
meantime a 2nd
2nd used 70 97 it.*

Not 'all' will write and not 'all' will participate. I have not checked many of the letters and so in some of them there could be spelling mistakes etc.

I have found that the best way to get anything across to children at their age is to put it into the simplest terms possible and in terms of their own interests and experience and where it can be done it helps to draw something for them and to show them something that they can see.

I hope that you don't mind me putting one of them in touch with you. It will happen in a few cases that they will not even write even though they have chosen a name. A short note will do. However, if you are a teacher yourself, and you consider it a good idea it wouldn't hurt to ask some of your students to write to them as well and I am sure that they would be delighted to hear from them.

Very sincerely yours,

George B. Cook

GBC

George B. Cook

Your name was the only one on my list that was not the name of someone who was a student of General Semantics.

The student that will be writing to you is named Pat (Patricia) Hemsley. I consider her one of my top students. She says that one day she would like to be a teacher or a nurse. Her parents farm.

I would like to say a word here about automation. (I have also written to Dr. Warren McCulloch about this.) There seems to be a growing interest here in teaching-machines. As I see it they appear to be a simple form of feedback machine.

The educators seem to be unaware of what this signifies, at least to a great degree, they appear to be unaware of the fact that teaching machines may be considered to be a kind of automation, unaware of the subject of Cybernetics, unaware of the damage that 'improper' programming could do, unaware of the potentials of these machines etc.

I have read, more than once, your book "The Human Use of Human Beings".

I would like to see more people acquainted with General Semantics, Cybernetics etc., and would like to do something to make people more aware about the important things regarding automation. (I have mentioned it in my classroom.)

The best way to do this may be to educate myself and then to communicate what I then know to others. Any information that you could send me or steer me towards would be greatly appreciated. Thank you.

George B. Cook

I hope that your son's mind is working on the same level as mine. It will happen in a few years that they will have wives even though they have chosen a poor. A girl with a good education is a rare find. However, if you are a teacher yourself, and you consider it a good idea to visit the school to see some of your students, you can hear from them as well and I am sure that they would be delighted to hear from you.

Very sincerely yours,

George B. Cook

Naples, April 8, 1962

Dr. Ezio Camatini
Scuola Di Studi Superiori Sugli Idrocarburi
Ente Nazionale Idrocarburi
San Donato Milanese
Metanapoli

Dear Dr. Camatini:

First of all, let me acknowledge the receipt of the text of the conferences which I shall correct as time permits and return the them to you.

However, the real purpose of this letter is to thank you and Dr. Boldrini for your invitation and our delightful visit to your Institute and Milan. We have never enjoyed greater courtesy and consideration anywhere. We welcomed the opportunity to get a better impression of Milan, and above all, to realize the important work being done at the Scuola Di Studi Sugli Idrocarburi. My wife especially wishes to thank you for your thoughtfulness in having your chauffeur drive us to Naples. We found him most helpful and agreeable.

By this time we are well settled in Naples and are enjoying the spring weather which from what I hear, is somewhat late this year.

Please convey to all the gentlemen we met at lunch our greetings, and to you and Dr. Boldrini our sincere thanks for all your kindness.

Sincerely,

Norbert Wiener

Naples, April 8, 1962

Dear Professor and Mrs. LeFranc:

By this time you must be wondering if the Wieners have somehow got lost on the way to Naples. We arrived here about a month ago and are by this time sufficiently settled^{d/} and rested to write an adequate letter after so many impressions and especially after our very delightful visit to Montpellier. We have already written to Professor Charles, and we would like to make this a very special "Thank You" to you both for your wonderful hospitality and many kindnesses to us during our stay in your city.

We are settled in a very comfortable apartment overlooking the Mediterranean which the Institute found for us. Spring seems to be a bit late this year here, but it is finally on the way and the famous Italian sun is showing its face more often. In a week from today we shall be in Amsterdam to attend the Second International Congress of Cybernetic Medicine, (what a mouthful of words) and seeing the Netherlands again, where we have not been for so many years. We shall be there from the 15. of April to at least the 21. Our address there will be:

in care of: Dr. J.P. Schade, Secretary-General
Netherlands Central Institute for Brain Research
Mauritskade 59b, Amsterdam, The Netherlands

My husband wants me to tell Professor LeFranc that until he can be in Montpellier again he is looking forward to a more continued activity with him. Would you also be kind enough to tell Professor Couchet how much we enjoyed his showing us some of the architectural beauties of the city, and Mrs. Moreau that her dinner will always be one of the outstanding gastronomical experiences of our life. Thank you again and "Auf Wiedersehen. Cordially,

Naples, April 11, 1962

Mr. Morton Bromfield
Savoy Hotel
London
England

Dear Mr. Bromfield:

I think you misunderstand my attitude towards you. I have confidence in your integrity and your ability, but such confidence is not a sufficient discharge of the duties I should undertake in becoming a director of Formulast. My understanding is that to be on the board of directors is a considerable responsibility for the conduct of the firm they direct, and in order to discharge such a responsibility they must be kept informed of every important fact relevant to the conduct of the business. I have had no previous knowledge of the dealings with the two Jacks, and the letter I received from one of them came as a total surprise. Any information I have received from you concerning dealings with them came only as a result of my writing to you.

I am thoroughly confident of the business ability of Mr. Bemis and Mr. Coolidge, but I am not willing to be a dummy director. To allow my name to be used in matters in which I have not directly participated I consider as an abuse of responsibility on my part. Since I cannot be a party to such an abuse, I do not consider it possible for me to be a director of the company.

If you can come to Amsterdam during my stay there, I shall be glad to explain to you in detail my attitude which is not a criticism of you, but is due to the fact that the appearance of my name as a director of Formulast would be a breach of faith on my part.

2.

I have not received any qualifying stock as far as I know, and if I have, I have not accepted it. Without this stock, and I believe, without the acceptance of it, I am not qualified to be a director. I hereby inform you that I will not accept such stock under any circumstances. If by any legal quirk I have become a director, I hereby resign from the directorship and undertake to return to the treasury of the company any such stock which unbeknown to me has been put in my name. Please inform Mr. Bemis and Mr. Coolidge of my decision.

I shall be in Amsterdam from about the 15th to the 21st of April and shall be staying at the American Hotel, Leidskade. I am sending this letter to the Savoy Hotel, London, assuming that you will still be there.

Sincerely,

Norbert Wiener

[ans 9/19/62]

Neapel, den 11ten Apri
196{27}

Herrn Herbert Gottschalk
C. Bertelsmann Verlag
Redaktion Wissenschaft und Allgemeinbildung i.V.
Gütersloh
Eickhoffstrasse 14-16
Deutschland

Sehr geehrter Herr Gottschalk:

Ich beeile mich Ihr wertees Schreiben vom 12. Marz zu beantworten, welches mir hier nach Neapel nachgeschickt wurde, deshalb die Verspätung.

So sehr mich auch Ihr neues Buch interessiert und ich mich geehrt fühle, dass Sie mich um einen Beitrag ersuchen, muss ich leider "nein" sagen; denn mein Schreibtisch liegt noch zu voll von unerledigten Manuskripten. Es wird mindestens ein Jahr dauern bis ich alles rückständige erst einmal erledigt habe.

Nochmals vielen Dank. In vorzüglicher Hochachtung,

Norbert Wiener

Naples, April 11, 1962

Professor Tadasu Hosokawa
Osaka Shoin Women's University
122 Aioi-cho
Nishinomiya
Japan

Dear Professor Hosokawa:

Your letter asking for the representative books of
Professor F.C.S. Northrup was forwarded to me here in Italy.

I suggest you write directly to Professor Northrup at Yale
University, New Haven, Connecticut, U.S.A. to get from him
the titles of his books which would be of most use to you.

I am at present away from my library and other sources of information.

Sincerely,

Norbert Wiener

P.S. Please give Professor Ikehara our best regards if you see him.



Rensselaer Polytechnic Institute

TROY, NEW YORK

April 12, 1962

Professor Norbert Wiener
Massachusetts Institute of Technology
Cambridge 38, Massachusetts

Dear Professor Wiener:

I have just sent a revised proposal on the experiment in Universities Cooperation for Inter-Disciplinary Studies (copy enclosed) to:

The Ford Foundation - (Mr. Eurich, Vice President)
National Science Foundation - (Dr. James S. Bethel)
Carnegie Corp. of New York - (Dr. Lloyd Morrisett)
Rockefeller Foundation - (Dr. K. W. Thompson)
Department of Health, Education, and Welfare -
(Mr. Benjamin Mehlman)

There had been prior discussions with the first three, with encouragement to send in formal proposals. Joint sponsorship is invited, since some thought this could make it easier (NSF because the program goes beyond science as they must recognize it, and Carnegie because of the size of the budget).

You will note that the April 3, 1962, version of the proposal permits a whole year to organize and to select students. The number of Faculty Associates is reduced to 12, with additional faculty brought in as we need help of specific nature.

Professor Norbert Wiener

-2-

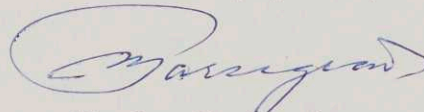
April 12, 1962

I hope you find this form of proposal acceptable. It tries to present objectives and methods that are fairly definitive (as requested by Ford Foundation) without undesirable restriction to the experiment. We think it provides a good framework for whatever specific effort the associates decide to undertake. As you know, proposals almost have to give some results of the studies they propose in order to appear clear^{cut} and attractive. I believe I have incorporated about all the suggestions you have offered at various times.

I have been designated by the National Academy of Sciences to make an official visit to the Soviet Union under the inter-academies exchange program, leaving April 27 to return sometime in June.

As soon as there has been some good word from a sponsor, I shall get in touch with you again. I assume that most of us have had to make commitments for the coming year. When it is clearly known who will be sponsor to the project, and to what magnitude of effort, we can meet to determine schedule and plan of attack. Until then none of us can make commitment to the project. The program as proposed expects this slow start for the first year.

Cordially yours,



V. L. Parsegian

VLP:mg
Enclosure

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CAMBRIDGE 39, MASS.

DEPARTMENT OF MATHEMATICS

13 April 1962

Dear Professor & Mrs. Wiers,

As Dr. Orests will attend the same conference as you in Amsterdam and as you will be on your way in a day from us, I have decided (as Dr. Orests had no objection) to send the latest mail by personal messenger.

Most of the things need no introduction. — Chuck Robinson, however, has asked me to type another recommendation for him, and I should appreciate your signature. If you will send it back to me, I shall forward it from here.

Michael Carib has received your letter and was very happy to hear from you.

Marshall Reber & Michael Marcus send their best regards. We run into each other once in a while in one of the other of MIT's many corridors.

With very best personal regards & all good wishes for a successful conference

P.S.

Tax forms to be signed
is also enclosed.

E-R

Yours sincerely,

Eva Maria Ritt

4-15-62
James H. Bean
120 N. Atlantic Blvd
Alhambra
Calif.

Dear Dr. Robert Weiner

I had ambitions of being an essayist a few weeks ago and had written a stack of essays. Now my ambition (Im 23) has changed to music but I cant keep my fingers off of essays. I am reproducing ^{it} below and add a few comments. I will try to find your book, ^{in the library} I am a Mathematician tomorrow (today is Sun) and to which it is based and look up the section on which the essay, or germ of an essay, is based but anyhow I think you said that you knew of many promising young mathematicians who fizzled out. I wonder if they are in your classes or ~~no~~ you could name many of them at present. Could you just sit (by the way please feel free to not answer this letter as I know you are very busy and there is not much necessity for you to answer it) I really dont expect you will answer it but ~~it~~ will feel lucky if you read it) down and list them - I dont believe you ~~no~~ named many in THE BOOK. IF YOU COULD PERHAPS THERE

ARE SCIENTISTS IN OTHER SCIENCES WHO COULD DO THE SAME WITH OTHER STUDENTS. IT WOULD BE INTERESTING IF A COMPOSITE LIST COULD BE MADE BY HAVING SEVERAL PROMINENT TEACHER SCIENTISTS IN EACH FIELD SUBMIT HIS OWN LIST TO A SINGLE SCIENTIST. I DON'T KNOW WHAT COULD BE DONE WITH SUCH A LIST EXCEPT IT WOULD BE AN AID IN CARRYING OUT THE IDEA I HAVE BELOW.

4-9-62 I WAS WONDERING ABOUT NORBERT WEINER'S SAYING THAT SOME SCIENTISTS PROVE UNUSUALLY PROMISING IN THE PAPERS THEY WRITE WHILE YOUNG BUT SORT OF FIZZLE OUT AS ~~THEY GET~~ OLDER TIMES GOES ON. I WONDER WHY THEY DO THIS AND HAVE A HYPOTHESIS THAT MAY SUGGEST THE ANSWER. PERHAPS IT IS BECAUSE THEY PUSH THEMSELVES TOO HARD AND ARE NOT STEADY ENUF IN STICKING TO THEIR WORK OVER A LONG PERIOD OF TIME THAT IS THE WORK IN AN EXTREMELY INTENSE WAY

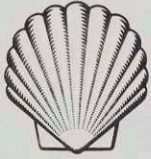
FOR A LONG PERIOD OF TIME
AND THEN DON'T STAY WITH
SCIENCE AFTER THAT BECAUSE
THEY GET SICK OF IT. THEY
ACTUALLY SPEND ~~7~~ LESS TIME
WORKING ON SCIENCE IN THE
PERIOD WHEN THEY ARE SAID TO
HAVE FIZZLED OUT THAN THOSE
WHO GO AT THEIR SCIENCE WITH
LESS DEDICATION TO START WITH. I
WONDER WHETHER THE WORK OF
THE FIZZLERS CONTINUES ^{SO} ^{THIER}
IT CAN BE CONTRASTED TO ^{EARLYER}
~~WORK~~ WORK OR WHETHER THEIR
OUTPUT CEASES. DO THEY WORK
LESS THAN THE NON FIZZLERS
PARTICULARLY THE NON FIZZLERS
WHO ARE ALSO PROMISING?

AS WHAT SEEMS TO ME TO
BE A NEEDED ADDITION TO THIS ESSAY
I MIGHT ADD THAT IT SEEMS TO
ME THAT IT WOULD BE VALUABLE
TO MAKE A STUDY OF THESE
PERSONS ON THE BASIS OF THE
ABOVE MENTIONED LIST TO ~~SEE~~
~~THEM~~ TO FIGURE OUT WHAT
CAUSED THEM TO FAIL SO THAT
IT COULD BE PREVENTED MORE
IN THE FUTURE.

James H. Ream

P.S. I wonder if there is any decline

on the ability of the ~~percept~~ fingers
as far as it can be measured by
psychologist before and after the
fryll occurred. 4-16-62 I couldn't
find the section where you wrote
on this but I think I have remembered
what you wrote correctly.



SHELL DEVELOPMENT COMPANY

A DIVISION OF SHELL OIL COMPANY

3737 BELLAIRE BOULEVARD
HOUSTON, TEXAS

MAILING ADDRESS
P. O. BOX 481
HOUSTON 1, TEXAS

EXPLORATION AND PRODUCTION
RESEARCH DIVISION

April 16, 1962

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

Dear Professor Wiener:

It is my pleasure to extend to you an invitation to visit us as a Distinguished Lecturer. Our Distinguished Lecturer program is reserved for individuals who are outstanding in their fields. Ordinarily such visits are for two days, during which the lecturer has an opportunity to see our laboratory, meet members of our staff and deliver a lecture. It is our custom to present the lecturer with an honorarium of \$250 for the two-day visit and in addition pay for travel and living expenses incurred in the visit.

The subject of the lecture should be of your own choosing, and we do not wish the subject to be necessarily confined to those close to our own current interests and activities. For your information, I should like to mention that the work at our laboratory is mainly related to the exploration and production of oil and gas, and that the research interests of our staff include many fields of science and engineering.

If you find it possible to accept this invitation, we should appreciate knowing as far in advance as possible the dates which are convenient for you to visit us so that we may make the necessary hotel reservations and be assured that all interested members of our staff will be available for discussions with you. We would like to suggest that if it is convenient for you, sometime after May 1, 1962, would be suitable for us.

We are looking forward to the possibility of having you visit our laboratory and participate in our Distinguished Lecturer program.

Very truly yours,

Loy M. Charter, Chairman
Lecture and Seminar Committee

[ms 4/23/62]

ST. ANSELM'S COLLEGE
MANCHESTER, NEW HAMPSHIRE

COMMISSION ON THE ARTS

April 16, 1962

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

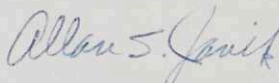
Dear Sir:

At a recent meeting of the lecture committee of the St. Anselm's Commission on the Arts your name was included as a possible speaker in our 1962-1963 lecture series.

At this time I would like to know if you would be interested in speaking here next year on some topic such as "The Philosophical Implications of Cybernetics".

An early reply would aid us very much in setting up our program. Thank you.

Sincerely yours,



Allan S. Janik
Lecture Committee
St. Anselm's Commission on the Arts

AJ:

sent from letter



ISTITUTO MATEMATICO
" GUIDO CASTELNUOVO "
UNIVERSITÀ DI ROMA

IL DIRETTORE

Rome, April 16th 1962

Professor NORBERT WIENER
presso Prof. Edoardo Caianiello
Istituto di Fisica Teorica
Università
N A P O L I

Dear Professor Wiener,

I enclose herewith the Programme of a Mathematical Symposium which will take place here at the end of April, hoping you will be able to attend it.

I should be glad thus to have the opportunity of meeting you again and discussing with you the possibility that you may spend some time in Rome later on.

I also wish to invite you at a Cocktail party to be held at my Institute at 7 p.m. on April 26th, you are also invited at a lunch which will take place at the Casina Valadier on April 27th.

With all good wishes,

Sincerely yours,

(Beniamino Segre)

Programma del
SIMPOSIO MATEMATICO INTERNAZIONALE

Roma, Istituto Matematico dell'Università, 27-29 aprile 1962.

(Le iscrizioni al Simposio ed alla gita del 29 aprile debbono pervenire specificatamente alla Segreteria entro il 21 aprile 1962).

V e n e r d ì, 2 7 a p r i l e 1 9 6 2

Ore 10. - Prof. BENIAMINO SEGRE,
dell'Università di Roma:

L'opera scientifica di Francesco Severi.

Ore 16.30. - Prof. MARSTON MORSE,
dell'"Inst. for Adv. Study" di Princeton:

A comparison of Schoenflies Theorems in the topological,
differentiable and analytic cases.

Ore 17.45. - Prof. HEINZ HOPF,
dell'"Eidg. Techn. Hochschule" di Zurigo:

On the deficiencies of mapping of manifolds.

Ore 19. - Prof. CARLO MIRANDA,
dell'Università di Napoli:

Teoremi di unicità e teoremi del tipo di Liouville per
le soluzioni delle equazioni lineari ellittiche.

S a b a t o, 2 8 a p r i l e 1 9 6 2

Ore 9. - Prof. KAZIMIERZ KURATOWSKI,
dell'Università di Varsavia:

On extending homeomorphisms on continua of a certain type.

Ore 10.15. - Prof. WOLFGANG FRANZ,
dell'Università di Francoforte:

Strutture affini e differenziali delle varietà.

- Ore 11.30. - Prof. ERMANNO MARCHIONNA,
dell'Università di Torino:
Sui multipli dei sistemi lineari d'ipersuperficie ap-
partenenti ad una varietà algebrica pluriregolare.
- Ore 16. - Prof. K. CHANDRASEKHARAN,
del "Tata Inst. of Fundam. Research" di Bombay:
Average order of arithmetical functions.
- Ore 17.15. - Prof. F. LOONSTRA,
della "Technical University" di Delft:
On subdirect products of groups.
- Ore 18.30. - Prof. CARLO CATTANEO,
dell'Università di Roma:
Principi euleriani di conservazione ed equazione di
Gauss-Poisson in relatività generale.

D o m e n i c a , 2 9 a p r i l e 1 9 6 2

Gita a Tarquinia.

- Ore 9.30. - Partenza in autopullman dal Piazzale delle Scienze
(Università).
- Ore 13.-- Arrivo a Civitavecchia (via S. Severa e S. Marinella,
oppure via Cervetri con visita alla Necropoli) e se-
conda colazione.
- Ore 14.30. - Proseguimento per Tarquinia; visita del Museo Etrusco
e delle Tombe Etrusche.
- Ore 16.30. - Partenza per Roma via Sutri, Anguillara, Sabazia con
sosta sul lago.
- Ore 19. - Arrivo a Roma, Piazzale delle Scienze.
-



Boston University

CHARLES RIVER CAMPUS • 725 COMMONWEALTH AVENUE • BOSTON 15, MASSACHUSETTS

COLLEGE OF LIBERAL ARTS

April 16, 1962

Dr. Norbert Wiener
c/o Professor E.R. Caianiello
Istituto de Fisica
Teorica Universita de Napoli
Mostra D'Oltremare
Naples, Italy

Dear Norbert:

I am sending separately a copy of the mathematical part of our turbulence work "Symbolic Calculus of the Wiener Process and Hermite Functionals". No doubt you will be interested to see what your work looks like after it has been deformed by being passed through the mind of a mathematical physicist.

*With best regards to Margaret
& yourself from all of us —*

Armand

Answered that letter in Europe 808 W. Cuyler Ave.
not able to help (Apr 23)

CHICAGO TRIBUNE'S

April 17, 1962

DEAR DR. WIENER:

I HOPE TO LEAVE CHICAGO THIS SUNDAY MORNING, APRIL 22ND,
ON MY WAY TO BERLIN, TUNGBAU, and GENEVA.

FINANCING HAS BEEN A VERY DIFFICULT PROBLEM—I AM STILL
\$500.⁰⁰ SHORT OF BEING ABLE TO GO.

COULD YOU GIVE ME A PERSONAL LOAN OF \$500.⁰⁰ SO I
CAN LEAVE THIS SUNDAY? I COULD REPAID YOU IN 6 MONTHS.

Kind regards—

Joe Polonsky.

INTERNATIONAL BUSINESS MACHINES CORPORATION

RESEARCH LABORATORY ZURICH

Cable Address: IBMLAB ZURICH
Telephone (051) 917171

Zurichstrasse 108
Adliswil-Zurich, Switzerland

April 17, 1962

Professor N. Wiener
Università di Napoli
Istituto di Fisica Teorica
Mostra d'Oltremare, Pad. 19
Napoli, Italia

Dear Professor Wiener:

Dr. M. C. Gutzwiller advises me that he has discussed with you the possibility of a visit to Zurich. I herewith gladly confirm that we would be very pleased if you could find the time to see our laboratory some time during your trip in Europe. If, in addition, you could give a brief talk on a subject of mutual interest, this would be highly appreciated by all of us. We would, of course, compensate you for your living expenses while in Zurich, and also for the additional travel expenses that you may incur due to the need of a detour.

You will probably not remember that I had the privilege of meeting you briefly in your office at the MIT in September 1949.

Looking forward to hearing from you, I am,

Yours sincerely,

A. P. Speiser

Dr. A. P. Speiser

Sp/ew

HUGO SALINAS PRICE
116 PONIENTE N° 709
MEXICO 15, D. F.

did not answer

April 18, 1962.

Dr. Norbert Wiener
Massachusetts Institute of Technology
Boston, Mass.,
U. S. A.

Dear doctor Wiener:

I have read with great interest your book, "The Human Use of Human Beings. "It was sometime ago. Also, I attempted to read Dr. Ross Ashby's book, "Design for a Brain". I did learn something from it, as much as one unskilled in higher mathematics can.

I am writing you, because in the February issue of the Bulletin published by the Institute for the Study of the USSR, the first article is entitled "Soviet Ideology and Cybernetics".

It seems that for some reason, which is not clear to me, cybernetics has run into trouble with the soviet ideologists.

If I were skilled in the science of cybernetics, I should very much like to make a study of the structure of socialist production, political organization, and social organization, from a cybernetic point of view.

That is to say, to examine socialist production as an organization guided from a central control organism, transmitting its instructions to the furthest elements of the productive organism, receiving information on the effective results of its directives, and transmitting corrective orders.

The failure of the farm program in the USSR poses an interesting problem in cybernetics.

I have an intuition that cybernetics may prove to be revolutionary in the field of economics, or broadly speaking, of praxeology.

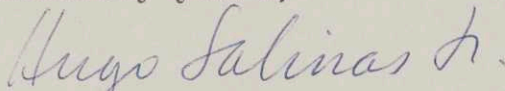
I feel that cybernetics could provide a devastating proof of the superiority (because of its stability) of the free economic system, over the centralized economic system, which would seem to be less adaptable, less efficient, more prone to excesses, because of the centralization of decisions which would require the transmission and interpretation of immense quantities of information, and with the consequent time-lag.

I also wanted to pass on to you some comments on your views of the impact of automation on the economy; unfortunately I have lent your book to someone else, so I cannot consult at the moment.

Perhaps such studies as I have pointed out are already being undertaken; if they are, I am sure the results will be startling. If they are not being carried out, I suggest that they could be the subject of a most interesting Master's thesis or Doctoral thesis for one of your ambitious students.

With kindest regards, I am,

Sincerely yours,



Hugo Salinas Price.

[aug 5/31/62]

Karl Reinwald

Wien 8.Hernalsergürtel 2

18.April 1962

Hochgeschätzter Herr Professor !

Sie würden einem Ihrer vielen Verehrer und
Bewunderer Ihres Werkes: "Mensch und Menschmaschine"
eine besondere Freude bereiten wenn Sie mitfolgendes
Bild mit Ihrem werten Namenszug und Worten der
Erinnerung versehen würden. Seien Sie gewiß daß
ich Ihr Autogramm stets in Ehren halten werde.
Für Ihre Liebenswürdigkeit erlaube ich mir im
voraus bestens zu danken und verbleibe in auf-
richtiger Verehrung

Ihr getreuer

Karl Reinwald

*An Professor
May 9*

hw

TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY
GRADUATE SCHOOL

Our reference: ES/Y/2322

Haifa, 18th April, 1962

Dear Professor Wiener,

Re: Mr. Charles E. Robinson

The above-mentioned candidate has applied for admission to the Graduate School ~~and for a position on the academic staff or a postgraduate scholarship.~~

We should be very grateful if you would let us have your opinion of his qualifications, in duplicate, with particular regard to the following points:-

Research ability
Teaching ability
Professional ability
Character and personality

Please accept in advance our sincerest thanks for your reply which will be treated as strictly confidential.

Sincerely yours,

E. Schlosser

Mrs. E. Schlosser,
Secretary of Graduate Studies.

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

GS/13

sent

[ans Ca. 4/26/62]

Hotel Matheis
PIRMASENS
INHABER KARL MATHEIS

April 19, [1962]

Dear Dr. Winer,

Yes, I have misunderstood and certainly would adopt your feelings if indeed matters were as you surmise.

My only meeting with Gregg, Bemis and Cookidge together was early last August.

Since then I've met with Cookidge once to get his idea of what a good executive scheme as used by National Research — the same with Gregg and Bemis Bag.

Beyond that, one abortive attempt with Gregg about 2 months ago to provide an idea of

how FORMULAST was going. He strongly recommended
then a financial statement and projections which
I tried to pull together even on the Saturday
before departure. Even at this writing I don't
know whether we are breaking ^{even} or not.

Aside from Coolidge's intervention, with Jack's
letter, there has been a complete failure
on my part to gather the facts needed for
presentation. (I had not even ^{had} a formal
meeting when the \$125,000 and stock exchange
was made).

As for the stock, Gregg had said that if the laws
of the Commonwealth required it (no) that I
should transfer but not give, or even sell at a
reduced figure the share of stock; Bill Coolidge,

Hotel Matheis
PIRMASENS
INHABER KARL MATHEIS

3.

on the other hand, appreciated my gesture and said "sure" to give it.

Aside from this stock transfer I have not had time to have the Company remove me from the greater ^{part of} debit burdening me now. Personally, I am bankrupt.

So if you will Dr. Wiener, picture an expanding, enthusiastic demand for our product, an "organization" ⁴ minus ^{2 of} its ³ Key people (of 3) and the complete absence of guidance data needed by directors. And add to this a phone call as of last

night from Eileen telling me she must be operated on.

If these points are well taken, Dr Wiener, you then must realize that I need help and am desperately trying to put myself in a position where Gregg, Colidge and you can help.

I will still plan on seeing you in Amsterdam.

Sincerely,
Morton

[Ans 5/20/62]

Utrecht

Da Costakade 45
telefoon 030 - 35141
giro 252141

Uw kenmerk:

Uw brief van:

Ons kenmerk: A 72
Mth/BS

Onderwerp:

Professor N. Wiener,
c/o Dr. E.R. Caianiello,
Istituto di Fisica Teoretica,
Mostra d'Oltramare,
N a p o l i .

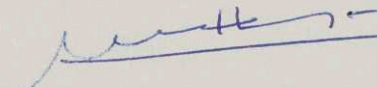
Bijlage:

datum: April 19, 1962

With reference to our talks yesterday in Amsterdam I give you herewith the reference of an article that may be of some interest to you in relation to your work on prethesis:

J.H. Seipel and R.D. Morrow,
The magnetic field accompanying neuronal activity.
A new method for the study of the nervous system.
J.Wash Acad.Sci. 50(1960) 1-4.

Yours sincerely,



(Ir. M. ten Hoopen)

April 19, 1962
GF/SFi/202

ROYAL INSTITUTE OF TECHNOLOGY

SPEECH TRANSMISSION LABORATORY

STOCKHOLM 70

SWEDEN

TELEPHONE: 23 65 20

CABLE ADDRESS: TECHNOLOGY

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

Dear Professor Wiener:

When we met in Cambridge last year you indicated that you would be willing to present a paper for the Speech Communication Seminar in Stockholm Aug. 29 - Sept. 1 1962. According to the preliminary program the first formal session will be on the morning of Thursday August 30. We would very much appreciate your presenting the opening paper. You would naturally be free to choose the topic as you find appropriate within the broad purpose of this seminar which primarily is intended for communication engineers working on speech data processing and compression. A historical review of your work would be much appreciated I am sure, whereas a very detailed mathematical presentation of signal analysis might be understood by a few specialists only. This is merely intended as an advice. I am sure you can find some suitable compromise. We would anyhow consider ourselves extremely fortunate if we could rely on you as the introductory speaker at the Seminar.

Professor K.N. Stevens of M.I.T. is helping me with the organization of the Symposium and would be able to discuss these matters with you in closer detail if you so desire.

Yours sincerely,


Gunnar Fant

By air mail

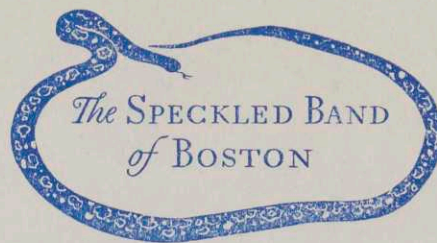
cc: Prof. K.N. Stevens, MIT

DOUGLAS LAWSON
Keeper of the Band

JAMES KEDDIE, JR.
Cheetah

HERBERT T. HAND, JR.
Herpeton

Philip R. Mather
Poker



"It's a nice household"

Office of the Keeper
177 State Street
Boston 9, Mass.

To the Members and Guests of the Speckled Band,
who will attend our dinner on May 4th:

Some of you will take part in our Charade and some will not.

The rules under which our Charade will become a contest will have to be very flexible - - after all, we have nothing to guide us; this has not been done before. Hence:

There will be three groups at the dinner:

- 1). Those who participate in the Charade by acting the part of a character in the Saga*; and we shall call them The Players.
- 2). Those who will not assume a character themselves but will try to guess the identity of the players; and these we will call The Solvers.
- 3). Those who will dine with us but remain aloof from our project; these we will call The Watchers.

Obviously, probably all of the first class will automatically become part of the second class.

- Players
- A). On arrival, ~~Watchers~~ and Solvers will be given a score sheet which will give the names of the players in one column; a second column to write in the character from the Saga which the Solver believes the Player has assumed; a third column where one point will be scored for each correct solution.
 - B). The Players will be asked to assume their characterization as they arrive at the cocktail party.
 - C). At dinner, each Player will be asked to say at least ten words to the diners.

* Holmes and Watson excluded.

- D). When we adjourn to the lounge, the solutions will be interchanged and the Judges will read the proper solution and the score cards will be marked.
- E). The Judges will re-read the score cards, putting down the number of correct solutions after each character. The Players score column will be marked with 1 for the most correct solutions; 2 for the second most correct solutions; 3 for the third, etc. If there are no correct solutions, the character will mark himself 0.
- F). The score cards will be turned into the Judges and the highest total score, character points and solution points, will receive the Holmes Bowl, to have and to hold, for one year. Also, a first-prize replica bowl "for keeps".

The second highest score will receive a second replica bowl, also "for keeps".

Please mail your post cards at once, so that we may have the score cards made up correctly.

Douglas Lawson
Keeper of the Band

Please pardon sloppy work. Done on holiday - - April 19, 1962.



SPRINGER-VERLAG

BERLIN · GÖTTINGEN · HEIDELBERG

Geschäftsinhaber: FERDINAND SPRINGER, *Dr. med. h. c. Dr. phil. h. c.* · HEINZ GÖTZE, *Dr. phil.*

(1) BERLIN-WILMERSDORF

(West-Berlin)

Heidelberger Platz 3

Telefon: Sammelnummer 83 03 01

Telegrammadresse: Springerbuch

Fernschreiber: 01-83 319

Abtlg. VI, den 19. 4. 62

Betrifft: Versand der Rezensionsbelege des
eben zu Ende gegangenen Quartals.

Zur geneigten Kenntnisnahme überreichen wir hier 5
Belegausschnitte über Rezensionen, die uns während der ver-
gangenen drei Monate erreicht haben. Wir bitten, die Belege,
Originale oder Fotokopien, zu behalten.

Den Herren Herausgebern und Mitherausgebern, Autoren und Mit-
autoren gehen solche Belegsammlungen unaufgefordert jeweils
am Quartalsende zu. Für das Sammeln und Versenden der Rezen-
sionsbelege, wie auch für die Überwachung des Erscheinens der
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Hauses zuständig.

Mit verbindlichen Empfehlungen

SPRINGER - VERLAG
Berlin - Wilmersdorf
Abteilung VI

Analele Stiintifice ale Universitatii

"Al. I. CUZA" din Iasi

Rumänien

Tomul VII 1961 Fasc. 2

KYBERNETIK : Band I, Heft 1, Januar 1961, Berlin, Springer-Verlag, 58 p.

După cum o arată și titlul, această revistă publică articole din diferitele ramuri ale ciberneticii, atât cele care interesează pe ingineri cât și cele care privesc pe biologi și în special pe neurologi.

Revista Kybernetik, care se găsește la apariția primului său număr, are în program să publice în special articole din următoarele domenii: Teoria informației; teoria automatelor; teoria sistemelor de control; fundamentele matematice ale teoriei comunicației; procese senzoriale și micro- și macrofiziologia sistemului nervos central în legătură cu teoria informației; teoria informației aplicată la organisme și grupuri de organisme; modele matematice pentru procese de comunicare și control al informației în organisme.

Revista este editată de un număr de mari specialiști în domeniu, printre care însuși N. Wiener. Articolele se publică în germană sau uengleză.

Dan Petrovanu

Zeitung: Stuttgarter Zeitung

Erscheinungsort: Stuttgart

Datum: 21. 2. 1962

Zeitschrift für Kybernetik

Der neue Wissenschaftszweig der Kybernetik, der nicht nur bedeutsame Aspekte auf dem Gebiet der Technik, der Physik und der biologischen Steuerungsvorgänge eröffnet, hat auch neue weltanschauliche Probleme aufgeworfen. Um den Erfahrungsaustausch auf all den vielseitigen und weitverzweigten Anwendungsgebieten der Kybernetik zu fördern, hat der Springer-Verlag eine neue Zeitschrift mit dem Titel „Kybernetik“ gegründet, die bisher unveröffentlichte Arbeiten aus allen Bereichen der Nachrichtenübertragung und -verarbeitung, der Steuerung und Regelung in Automaten und im Organismus bringt. Diese Fachzeitschrift, die von einer Reihe namhafter Wissenschaftler des In- und Auslandes herausgegeben wird, will sowohl die theoretischen Grundlagen wie die experimentelle Forschung, besonders auf physiologischem Gebiet und der Nachrichtenübertragung im Organismus, behandeln. Wie weit der Rahmen gesteckt ist, zeigen anschaulich die Themen im ersten Heft der „Kybernetik“: sie reichen von der Nachrichtenverarbeitung in der Nervenzelle (Küpfmüller und Jenik), den Lichtreaktionen des Pilzes *Phycomyces* (Reichardt) und einer Schwingungsanalyse der Augenbewegungen beim Menschen (Trincker, Sieber und Bartual) bis zum „Inneren Regelkreis der Willkürbewegung“ (Vossius), zur „Erkennungszeit beim Lesen“ (Wenzel) und zur „Lernmatrix“ (Steinbuch). Ueber „Letter constraints within words in printed English“ berichtet Carlson, und Kohler bringt ein Demonstrationsmodell für den „bedingten“ Reflex unter dem Titel „Pawlow und sein Hund“. Außerdem enthält die Zeitschrift Fachnachrichten. („Kybernetik“, Zeitschrift für Nachrichtenübertragung, Nachrichtenverarbeitung, Steuerung und Regelung im Organismus und in Automaten. Springer-Verlag, Berlin — Göttingen — Heidelberg. Preis 12,80 DM.)

zw

bu

Besprechung
in der
Zeitschrift



PRAXIS DER MATHEMATIK

23. Feb. 1962

Vom

15. Mai 1961

Nr.

5

Jahrg.

3

AULIS VERLAG, DEUBNER & CO KG, Köln, Antwerpenerstr. 6-12

13

Kybernetik. Zeitschrift für Nachrichtenübertragung, Nachrichtenverarbeitung, Steuerung und Regelung im Organismus und in Automaten. Band 1, Heft 1, Januar 1961; 56 S. DIN A 4, 72 Abb.; 12,80 DM.

Eine neue Zeitschrift des Springer-Verlages, Berlin. Sie erscheint nach Maßgabe des eingehenden Materials mit Beiträgen in deutscher und englischer Sprache (Maximalpreis für 1961 für alle Heft 80, — DM). Die Liste der Herausgeber umfaßt 13 Namen aus Deutschland, Großbritannien, USA., Österreich, Frankreich und den Niederlanden.

Inhalt: K. KUPFMÜLLER und F. JENIE, Über die Nachrichtenverarbeitung in der Nervenzelle; W. REICHARDT, Die Lichtreaktionen von *Phycomyces*; D. TRINCKER, J. SIBBER und J. BASTVAL, Schwingungsanalyse der Augenbewegungen beim Menschen; G. VOSIUS, Der sogenannte „innere“ Regelkreis der Willkürbewegung; F. WENZEL, Über die Erkennungszeit beim Lesen; K. STRAINBACH, Die Lernmatrix; D. H. CARSON, Letter constraints within words in printed English; I. KONLEN, Pawlow und sein Hund.

Die Titel der Beiträge zeigen deutlich das Eindringen der Mathematik in biologische und medizinische Bereiche. Von etwas allgemeinerem Interesse dürften insbesondere die vier letzten Aufsätze sein.

21

Automatik

Heft 7/1961

Neue Zeitschrift »KYBERNETIK«

Die Entwicklung in den letzten Jahren hat zu der bemerkenswerten Erkenntnis geführt, daß sich aus der synonymen Verwendung von Begriffen wie Regelung, Steuerung, Rückkopplung, Information usw. in sehr verschiedenen Forschungsgebieten ein Arbeitsbereich gebildet hat, der den berechtigten Anspruch erheben kann, die klassischen Wissenschaften der Physik und Technik, der Medizin, Biologie und Psychologie wesentlich zu ergänzen. Es handelt sich um eine Strukturlehre oder Verhaltenstheorie zur Beschreibung der regulären Verhaltensweisen sehr komplexer Systeme. Heute faßt man diese vielgestaltigen Probleme der nachrichtenverarbeitenden Lebewesen und Maschinen in dem Wort »Kybernetik« zusammen, das über Norbert Wiener auf Laplace zurückgeht.

Nach einer gewissen Übergangszeit, die jeder Neuentwicklung zueigen ist, hat das neue Arbeitsgebiet einen Rang erreicht, der sich an den acht Beiträgen zu dem ersten Heft der neu gegründeten Zeitschrift KYBERNETIK erkennen läßt. In einer Zeit zunehmender Spezialisierung der wissenschaftlichen Disziplinen sollte man besonders die Tatsache beachten, daß die KYBERNETIK keine »Fachzeitschrift« im üblichen Sinne ist, sondern ein Organ zur Förderung des Erfahrungsaustausches und der gegenseitigen Befruchtung von Forschungsgebieten, die sich in den vergangenen 50 Jahren immer weiter voneinander zu entfernen schienen. Das Studium der in der Zeitschrift KYBERNETIK zu erwartenden Arbeiten wird die Möglichkeit bieten, strukturell verwandte Probleme aus sehr verschiedenen Arbeitsrichtungen kennenzulernen. Um Mißverständnisse auszuschließen, sei darauf hingewiesen, daß die KYBERNETIK keine allgemeine naturwissenschaftliche Zeitschrift ist, die sich an gebildete Laien wendet.

Schlitt

British Journal of Psychology

vol. 52

1961

Part 3

Great Britain

Kybernetik. Published by Springer-Verlag, Berlin. Vol. 1, no. 1, January 1961. Pp. 56; DM 12.80; maximal price in 1961: DM 80. (To be issued as material reaches the press.)

The Editors' policy will be to cultivate experimental and theoretical findings in the following fields: information theory; theory of automata; theory of control systems; mathematical foundations of communication theory; sensory processes and micro- and macrophysiology of the central nervous system in relation to information handling; information handling by organisms (including man) and task oriented groups; mathematical models for communication and control processes in organisms.

The *Journal* will publish articles in English and German. The first number is well printed and up to high standards of production in mathematical printing and in its diagrams.

It seems likely to provide an excellent vehicle for the publication of material that, at present, has no suitable outlet.

W. ROSS ASHBY

Handwritten initials or mark in the bottom right corner.

Humanity Guild

INCORPORATED



Dedicated to Peace on Earth and Goodwill to Men

853 BROADWAY, NEW YORK 3, NEW YORK

April 20, 1962

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

Dear Dr. Wiener:

We do not know whether you have as yet returned from Italy.

We are acknowledging your letter of January 20 in which you wrote that you felt "highly honored" by our request to become a sponsor of Humanity Guild.

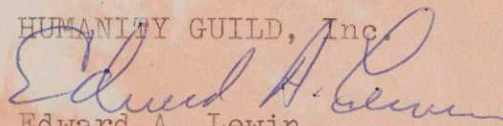
It is we who feel honored, Dr. Weiner, and we do hope that you will put our name within your file of worthy organizations and that as you develop any information which is a product of your unique research, that will assist the cause of Peace, that you will give us the benefit of such data.

Also, of course, our invitation that you become one of our sponsors, is open to you at any time.

We are enclosing a new edition of our booklet, "IT CAN HAPPEN," with material showing our financial statement.

With the hope that we may hear from you again, we are,

Sincerely yours for PEACE,
HUMANITY GUILD, Inc.


Edward A. Lewin,
Executive Director

EAL/cet
Enc.



Phone PO 1-7500

"Your New Center is for Everyone" Jewish Community Center 1580 Summit Rd., Cincinnati 37, Ohio

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Associated Jewish Agencies
Cincinnati Jewish Welfare Fund
National Jewish Welfare Board
Community Chest & Council

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

Dear Mr. Wiener:

As chairman of the Forum Series Committee sponsored by the Jewish Community Center of Cincinnati, I am requesting information regarding your availability to accept a lecture engagement for our 27th Annual Forum Series which begins the Fall of 1962.

Our patrons and the planning committee have been requesting your appearance on our series. We hope that with your busy schedule you will find it possible to consider this request. We would hope to include you in our series, at our mutual convenience, between November, 1962 and March, 1963.

This Forum Series program is one of the oldest and few remaining liberal platforms in the United States. During our twenty-seven years we have been proud to present such notables as Dr. Harlow Shapley, Harold Taylor, Dr. Ralph Lapp, Max Lerner, Bishop G. Bromley Oxnam, Chester M. Bowles, Henry Steele Commager, Wayne Morse, Richard Neuberger, Eric Sevareid, Hubert Humphrey, Martin Luther King, Jr., Drew Pearson, Norman Cousins, and many others.

Inasmuch as our committee hopes to make final decisions shortly, we would appreciate a reply at your earliest convenience.

If we may consider you as a possible speaker for next season, would you supply us with information concerning your fee and available dates from October through March. Our decision will be based on your availability to appear and our ability to meet your fee.

Sincerely,

C. E. Israel, Chairman
Forum Series
Jewish Community Center of Cincinnati

CEI/mf

[ans 5/20/62]

[ca. 20]

April , 1962

Mr. Adolph F. Pauli, Secretary
Committee on Graduate Instruction
Wesleyan University
Middleton, Conn.

Dear Sir:

Mr. Charles E. Robinson has asked me to support his application to your school for admission to candidacy for the M. S. Mr. Robinson has been for some years my very valuable student and assistant in the instrumentation and computation of spectra of autocorrelation methods for brain waves and other related problems. He has been a thoroughly reliable collaborator who makes a great effort to understand every aspect of the problem on which he is working, both mathematically and physiologically, as well as engineering, and I regard him as a man to keep an eye on as an important worker in the future. He is a hard worker, loyal and responsible and has a pleasant personality.

His chief difficulty is itself a virtue, for his independence of thought makes it a little hard to put him in any existing category of scientific workers. For his best future development, he will have to work himself into a field which I am confident will play a great role in the future of physiology which has only now come into its own.

Sincerely yours,

Norbert Wiener

NW/emr

April 23, 1962
(Shakespeare's Birthday!)

Dear Professor Wiener,

I was most heartened to hear from you at last. Your travels through Europe sound pleasant indeed — I was pleased that you paid proper respect to affamoudes! I envy you your apartment in an old Palazzo overlooking the sea.

Thank you for your heavy backing for my Australian appointment — the application was successful, & I now have a well-paid ten-week appointment to give lectures (the choice of material was left entirely to my discretion) on automata theory, cybernetics, communication theory & mathematical logic.

I leave Boston on May 21, spend 3 days in Chicago at the conference on Self-Organising Systems, and then proceed home via San Francisco, Hawaii, & Fiji, arriving in Sydney on May 28 (my 22nd Birthday). My address from then until mid-September (when I return to MIT) will be:—

Michael Arbib
7 Vacluse Rd
Vacluse, NSW,
AUSTRALIA.

I hope to keep in touch with you throughout the "Summer".

I have been invited to talk on Cybernetics at the Government Day at "The Cambridge School" of Weston — I hope I do your subject justice!

I had a short talk with Armand Siegel recently, & he has promised to answer any specific questions I may have on the physics of our investigation of statistical mechanics. Prof. Siegel continues to be a great help — he is a brilliant man with a delightfully broad view of mathematics (he shares your refusal to distinguish between pure & applied mathematics).

I must confess that I have no concrete results to present you as yet. My understanding of the physics involved has deepened immensely, & I am beginning to see lines of attack — but I haven't done any solid work on them yet. I've been thoroughly through your work with Siegel & feel this should offer some insights.

I am very glad to have your first ideas, & look forward to later letters bearing their elaboration.

My very best wishes to you & your wife: Michael Arbib

4
ASS.
Michael Arbib
Maths Dept, MIT
Cambridge 39, Mass.



Professor Norbert Wiener,
Istituto di Fisica Teorica,
Mostra d'Oltremare, Pad. 19,
Napoli,
ITALIA

AÉROGRAMME • PAR AVION

FIRST FOLD

SECOND FOLD



April 23, 1962

Mr. Loy M. Charter, Chairman
Lecture and Seminar Committee
P. O. Box 481
Houston, Texas

Dear Mr. Charter:

This is in reference to your recent invitation to Prof. Wiener to visit you as a Distinguished Lecturer sometime after May 1.

Prof. Wiener is in Europe until January 1963, and this fact makes it impossible for him to accept.

On Prof. Wiener's behalf, I should like to thank you for the invitation.

Sincerely yours,

Eva-Maria Ritter
Secretary

April 24, 1962
623 Paco Drive
Los Altos, Calif.

Professor Norbert Wiener
M.I.T.
Cambridge, Mass.

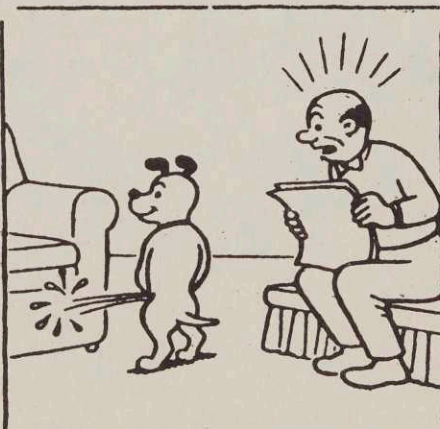
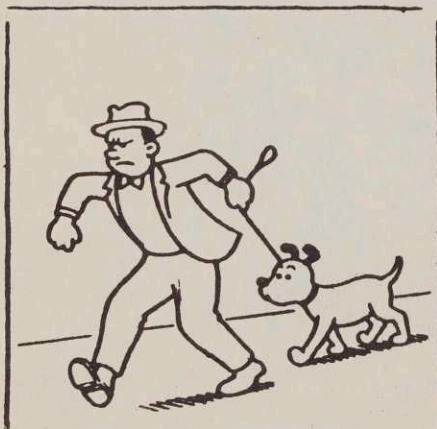
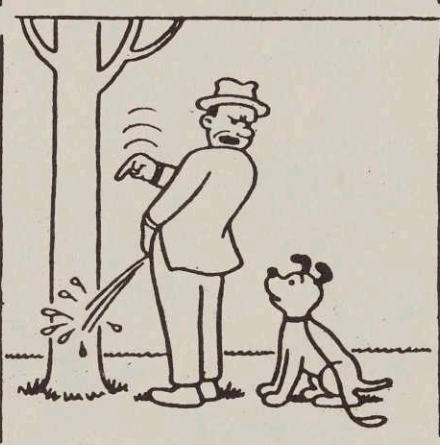
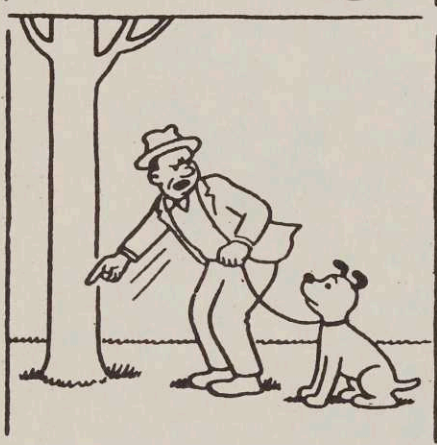
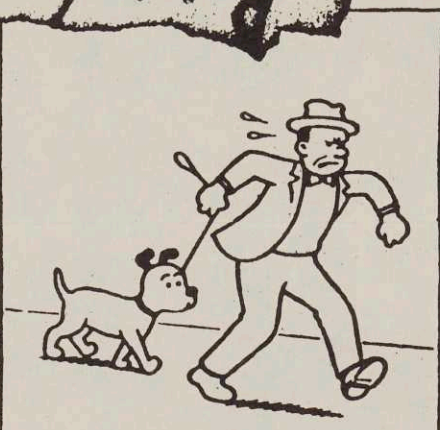
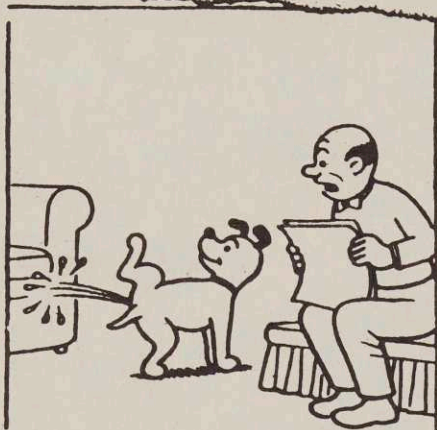
Dear Professor Wiener:

Because of your interest in communication, I am
sending you the enclosed cartoon. It seems to
me to represent a classic failure of communication.

Sincerely


Ross Kenyon

HOW TO HOUSEBREAK your Dog





ERNST BATTENBERG VERLAG · STUTTGART

Herrn
Professor Norbert Wiener
Massachusetts Institute of
Technology

Cambridge, Mass. - USA

ab 1. Januar 1962:
ERNST BATTENBERG VERLAG
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Auslieferung: Koch, Neff & Oetinger & Co.
Stuttgart, Rotenbergsir. 111, Tel.: 44054

Unser Zeichen Dr.B/mi.

Ihre Nachricht vom

STUTTGART-BAD CANNSTATT, DEN 25.4.1962
KÖNIG-KARL-STRASSE 16

Sehr verehrter Herr Professor,

wir beabsichtigen, mit Zustimmung von Herrn Professor Born, zum Herbst ein kleineres Buch herauszugeben mit dem Titel "Die Begründung der Matrizenmechanik", das folgende Arbeiten enthalten soll:

- I. Die Begründung der Matrizenmechanik.
 - Max Born (Zsch.f.Physik, Bd. 26, S.379 - 395 (1924))
 - A. " Über eine quantentheoretische Umdeutung kinematischer und mechanischer Beziehungen."
Werner Heisenberg Zsch.f.Physik 33, 879 (1925)
 - B. " Zur Quantenmechanik."
Max Born u. Pascual Jordan Zsch.f.Physik 34, 858 (1925)
 - C. " Zur Quantenmechanik II."
W. Heisenberg, M. Born u. P. Jordan, Zsch.f.Phys.35, 557 (1926)
- II. Die Bornsche statistische Deutung der Quantentheorie.
 - A. " Eine neue Formulierung der Quantengesetze für periodische und nichtperiodische Vorgänge."
Max Born u. Norbert Wiener Zsch.f.Physik 36,174 (1926)
 - B. " Zur Quantenmechanik der Stoßvorgänge."
Max Born Zsch.f.Physik 37,863 (1926)
 - C. " Quantenmechanik der Stoßvorgänge."
Max Born Zsch.f.Physik 38,803 (1926)
 - D. " Zur Wellenmechanik der Stoßvorgänge."
Max Born Nachr.d.Gött.Akad. 1926, 146
 - E. " Das Adiabatenprinzip in der Quantenmechanik."
Zsch.f.Phys. Bd. 40,
S. 167 - 192, 1927

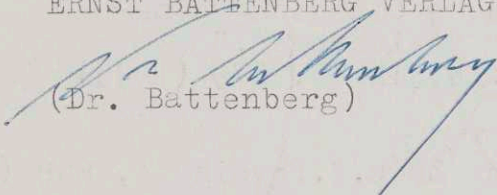
- 2 -

Wir bitten Sie, sehr verehrter Herr Professor, Ihre freundliche Zustimmung hierzu zu geben. Das Buch soll ein Geburtstagsgeschenk zum 80. Geburtstag von Max Born werden. Darüber hinaus stellen wir uns vor, daß es, wie unsere Mitarbeiter glauben, als Anfang einer quellengeschichtlichen Reihe "Dokumente der Naturwissenschaften" dienen könnte. Wir würden es begrüßen, wenn sich unser Redakteur für Physik, Herr Dipl.-Phys. Armin Hermann, der in der Nähe von München wohnt und bei Herrn Prof. Bopp arbeitet, gelegentlich mit Ihnen über die Frage weiterer Quellen-Publikationen zur Geschichte der Physik korrespondieren dürfte.

Mit den besten Empfehlungen und der Versicherung vorzüglicher Hochachtung

Ihr Ihnen sehr ergebener

ERNST BATTENBERG VERLAG


(Dr. Battenberg)

Did not answer

[ans 5/24/62]

Have not answered

Geneva, the 25th of april 1962

Monsieur Norbert Wiener
c/o Massachussets Institute of
Technology

C A M B R I D G E 39

(Mass.)

- USA -

Dear Sir,

Attached is a letter from Prof. Gonseth, of the Poly-
techn. School of Zürich, concerning a special issue of the
international Review of Philosophy of Knowledge "DIALECTICA".
The theme of this special issue is :

"Analogy as a method of knowledge"

We are aware that you are particularly qualified for
bringing a valuable contribution to the study of this question.
We strongly hope that you will receive this request favourably.
We are ready to give you any further information you might want
and remain,

Yours very sincerely

M. Cuénod
7, Place Claparède
GENEVE

L. Pun
12 B, rue Henri Golay
Châtelaine
GENEVE

[ans 7-27-62]

DIALECTICA, International review of Philosophy of Knowledge

12, Chemin du Muveran, Lausanne

Analogy as a method of knowledge

Dear Colleague !

May we draw your attention to the project and the request that we are submitting to you.

The review DIALECTICA is going to devote several issues to a symposium on the following subject : The analogy as a method of knowledge. An editing committee, under the chairmanship of Prof. F. Gonseth, and having as members MM. M. Cuénod, L. Pun, F. Bonsack, has been constituted for this symposium. We should like to have your support, or better still, your active participation, as well as that of a limited number of specially qualified personalities.

It is in the tradition of DIALECTICA to instigate and publish discussions on the great themes of modern knowledge. Let us recall for instance the double issue 7/8 (the issue named "of the five Nobel Awards") on the idea of complementarity, edited under the direction of W. Pauli; the issue 9/10 concerning the basic concepts of Probability Calculus; the issue 19/20 devoted to an enquiry, directed by Jean Paulus, concerning the bases of psychology etc.. To be mentioned are also the numerous issues containing the reports of the Zurich Lectures of the years 1948, 1953 and 1957. Following such lines, it seems the given moment to direct our attention to the methods of calculus and analysis grouped today under the qualification of Analogical.

Which could be the purpose of such a symposium ? It might be of great importance. We have the feeling that analogical methods might lead to a new approach towards the whole field of our objective knowledge. What is more, we are convinced that these methods shed an unexpected light on the theory of knowledge itself and that, in this light, the basis of this knowledge assumes an entirely new aspect.

But we do not claim to go as far as this all at once. We know that if we put the philosophical aspect of the problem in the foreground, we expose ourselves to the objections coming from two opposite sides, both from the practitioner and from the metaphysician. Practitioners of analogical methods might simply declare that they are not interested in philosophical speculations and that the efficiency of the means they use is sufficient to them. Metaphysicians might reproach us that we are not aiming high enough, but are using a minor method of knowledge, which does not give any certitude, and, on the other hand, of devoting too much attention to the concrete details of a particular discipline, while philosophy should, in his opinion, be a science of general ideas, independent of all experience ?

Our answer to the former might be that the period is over in which it was not necessary for practical working to care about theoretical problems, and we might answer to metaphysicians that the period is over too where speculation claimed to unfold itself independently of all experimental methods. The success of modern sciences lies in the fact that they use on the one side operational methods and on the other side rational ones. Why should analogical methods make an exception ? On the contrary, it is important to consider them too under this double aspect, for the sake of their own progress, and for that of the disciplines within which they are in rapid expansion.

In one word, we think that the presentation and the discussion of the analogical methods, such as are at present used, cannot fail to effect a certain reaction on the whole front of knowledge, from the research on foundation problems to that of new applications.

This is the order of research to which our review devotes the main part of its attention. But we are of the opinion that this can be best achieved as collective work, and for this reason the collaboration which we hope to get from you would be to us so indispensable and valuable.

Would you kindly let us know :

1. Whether you agree to participate in our symposium on analogy as a method of knowledge ?
2. Which form would your participation take ?
3. By which date and under which title can you send us a paper either of your own or of one of your collaborators ?

To be published first, we should choose the papers concerning the present state of analogical methods, and the reflexions that it is possible to make on this subject today.

With kind regards, sincerely yours,

for the editing committee

F. Gonseth

BROWN UNIVERSITY
PROVIDENCE 12, RHODE ISLAND

April 26, 1962

Dr. Norbert Wiener
c/o Professor E. R. Caianiello
Istituto Di Fisica Teorica
Universita Di Napoli
Mostra D'Oltremare
Naples, Italy:

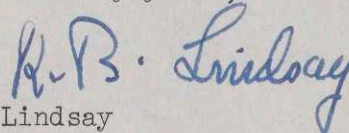
Dear Dr. Wiener:

I have agreed to arrange for the joint meeting of the American Physical Society and the American Association of Physics Teachers in New York in January, 1963, a symposium on the philosophy of recent physics. Professor Henry Margenau, of Yale, has agreed to participate, and we both feel strongly that you would be an ideal participant. The specific theme of the symposium has not yet been too closely established, but we think that a renewed discussion of determinism in quantum physics may still be fruitful. I hope very much that you can find it possible to join us in this symposium and present a paper about thirty minutes in length.

Details can be worked out later. However, I should appreciate a reaction at your early convenience.

With kindest regards, I am

Very sincerely yours,



R. B. Lindsay
Dean of the Graduate School

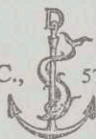
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[ans 5/16/62]

Bus leaves 9.30
from Parker Hotel and
Hotel Britannique
Neptuno

УПРАВЛЕНИЕ
ВНЕШНИХ СВЯЗЕЙ
СОВЕТА МИНИСТРОВ
СРС

DOUBLEDAY & COMPANY, INC.,



575 MADISON AVENUE, NEW YORK 22

MURRAY HILL 8-5300

April 26, 1962

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

Dear Dr. Wiener:

Re: THE EXPERT DREAMERS, by Frederic Pohl

We are enclosing a check in the amount of
\$25.00, for the inclusion of "The Miracle of
the Broom Closet," in the above book.

Sincerely yours,

Mary Mapes

Mary Mapes
Permissions Dept.

MM/

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CAMBRIDGE 39, MASS.

DEPARTMENT OF MATHEMATICS

April 23, 1962

Dear Mr. Moszarak,

With reference to your recent communication to Professor Wiener regarding

I. Seidman etc.

I should like to inform you that Professor Wiener is abroad and will not return to MIT until January 1963.

Sincerely yours,

Eva Maria Ritter

Secretary

P.S. I shall keep your letter for Miss Putnam.

Dear Madam,
Thank you for your note. While no reply is required to the letter I sent, please take notice that I myself will change address within the next three months to: -
1217 Jackson Street
OSTKOSH, WISCONSIN (U.S.A.)
(Southern California's SMOG I can no longer tolerate.)
R. Moszarak 4/27/62

FELIX WITTMER
20 GIBSON AVENUE, APT. A-1
HUNTINGTON, N. Y.

Brother Juniper



April 26, 1962

Dear Professor Wiener-

As a lark re
cybernetics, you
may enjoy the
affixed cartoon.

By the way, I've
wondered for years

if our scientists, in due time, can't
reverse the second thermodynamic law.
They have frequently applied the Seabee
motto: "The impossible takes a little
longer."

Sincerely
Dr. Felix Wittmer



Rensselaer Polytechnic Institute

TROY, NEW YORK

April 26, 1962

Professor Norbert Wiener
Institute Professor
Massachusetts Institute of Technology
Cambridge 38, Massachusetts

Dear Professor Wiener:

Many thanks for the loan of your book *THE TEMPTER*. Mrs. Parsegian and I both enjoyed reading it. We particularly enjoyed the subtle aspects of the analyses and analogies which you drew so effectively.

I had hoped to see you soon but am about to leave for the Soviet Union, to return in late June. I hope your stay in Italy was successful.

Cordially yours,

A handwritten signature in blue ink, appearing to read "Parsegian".

V. L. Parsegian
Rensselaer Professor

VLP:mg
Enclosure

WESLEYAN UNIVERSITY
MIDDLETOWN, CONNECTICUT

FACULTY COMMITTEE ON GRADUATE INSTRUCTION

April 27, 1962

Professor Norbert Wiener,
Massachusetts Institute of Technology,
77 Massachusetts Avenue,
Cambridge 38, Mass.

Dear Professor Wiener:

This will acknowledge receipt of your letter in support of Mr. Charles E. Robinson, who is applying for candidacy in the department of Mathematics at Wesleyan University. I am forwarding your letter to Professor Hing Tong, Chairman of that department for his consideration. Your letter is much appreciated.

Sincerely yours,

Adolph F. Pauli

Professor Adolph F. Pauli, Secretary
Committee on Graduate Instruction

BARTH FOUNDATION
INTERNATIONAL RESEARCH CENTRE
BUREAU DE RÉDACTION
17. AV. DES PEUPLIERS
LA ROSIAZ - LAUSANNE - SWITZERLAND

Dear Dr. Wiener,

April 28, 1962

It was an intense pleasure to hear you yesterday. I trust you didn't mind my writing the formula $G = \frac{mm}{d^2}$ as a counter-example to what

I (and I was glad to note that Dr. Caianciello felt similarly) was a misleading and artificial criticism of the perfectly justified way in which you wrote the information-measure formula and interpreted it. The separation of the idea of a scale constant, its dimensions, and the measure-function to which it pertains would not only have been highly artificial, but physically unwarranted. And I am glad you didn't endorse that kind of logical pitfall.

Sincerely, *Charles Muses*
C.A. Muses, Research Director

AMERICAN MATHEMATICAL SOCIETY

190 HOPE STREET, PROVIDENCE 6, R. I.

April 30, 1962

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

Dear Professor Wiener:

We would like to bring to your attention the fact that you are entitled to continue membership in the Society on an emeritus basis. The Bylaws of the Society provide that any member who has retired from active teaching because of age, and has been a member of the Society for twenty years or more may become an emeritus member. You will continue to receive the Notices (programs of meetings) but not the Bulletin and Proceedings.

There are no outstanding items in your account and your emeritus membership would be effective as of January 1, 1962. We sincerely appreciate the support which you have given the Society through your membership.

An early reply would be greatly appreciated.

Sincerely,

AMERICAN MATHEMATICAL SOCIETY



Mrs. Harrison Cosgrove
Accounting Section

LDC/BMc

[ans 5/20/62]