

292

CORRESPONDENCE

Feb. 15-28, 1961

N. WIENER - MC 22

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

2/15/1961

Memo to N. Wiener Room \_\_\_\_\_ Ext. \_\_\_\_\_

I have just heard that I missed a dinner of friendship + appreciation in your honor. I was not invited. Needless to say, I should have joined in the testimonial had I been given the chance.

With sincere appreciation,

from W. Stockmayer Room 6-229 Ext. \_\_\_\_\_

February 15, 1961

Dr. Iago Galdston  
The New York Academy of Medicine  
2 East 103 Street  
New York 29, N.Y.

Dear Galdston:

We had a delightful time with you as we always do. As to what I shall do with my article, please give me a little more time to think about. Thank you, however, for sending me Dr. Ingle's address.

All the best from both of us.

Sincerely yours,

Norbert Wiener

NW/emr

February 15, 1961

Dr. J.B.S. Haldane  
Indian Statistical Institute  
203 Barrackpore Trunk Road  
Calcutta-35  
India

Dear J.B.S.:

Your article is on hand now, and I am just back from Italy so as to be able to read it. This is really to notify you that I am intending to go over it and give you an opinion of it as soon as I can.

You have all sorts of good news about your stay in India. We have just completed a delightful trip to Europe, particularly Russia and Naples, and I have a whole list of new scientific work which I shall communicate to you as soon as it is written up.

Margaret joins me in sending both of you our best regards.

Sincerely yours,

Norbert Wiener

NW/emr

February 15, 1961

Mrs. Carol B. Higgins  
Technology Editor  
Grolier Encyclopedia  
Grolier Building  
575 Lexington Avenue  
New York 22, N.Y.

Dear Mrs. Higgins:

I am just back from an extensive trip in Europe, and it will be some time before I know what my obligations are. I am inclined to cut my non-research work to the bone, and it is therefore highly unlikely to give you an article.

However, many thanks for writing to me again.

Sincerely yours,

Norbert Wiener

NW/emr

February 15, 1961

Mr. Ali Irtem  
P.K. 685  
Istanbul  
Turkey

Dear Mr. Irtem:

Many thanks for sending me your paper "Sibernetik", as well as the interesting greeting card.

I shall have my Turkish friends look it over in the near future so that I may have an impression of your presentation.

Sincerely yours,

Norbert Wiener

NW/emr

February 15, 1961

Mr. William H. Jones  
Exec. Officer (Admin.)  
The Australian Gas Light Co.  
477-487 Pitt Street  
Sydney, Australia

Dear Mr. Jones:

I am very much interested in the content of your letter and I am here available from now on. When you come back to the USA, please look me up.

The content of your proposed discussion with me is somewhat vague, and I don't see my way clear to give you any advice until we get together and meet.

Sincerely yours,

Norbert Wiener

NW/emr

February 15, 1961

Dr. Robert L. Marcus  
50 West 96th Street  
New York 25, N.Y.

Dear Dr. Marcus:

Many thanks for your letter of January 31. I am quite in agreement with you that cybernetic ideas are relevant to Freudianism, and some day when I find myself relatively free for new work, I shall look into the matter.

Thanks again for sharing these thoughts with me.

Sincerely yours,

Norbert Wiener

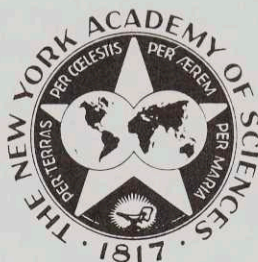
NW/emr



# THE NEW YORK ACADEMY OF SCIENCES

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February 16, 1961.

Professor Dr. Norbert Wiener,  
M I T, Department of Mathematics  
Cambridge, Mass.

Dear Dr. Wiener:

The New York Academy of Sciences is planning to hold an International Congress on Biologic Rhythms here in New York this coming November 8, 9 and 10 and has asked me to arrange it.

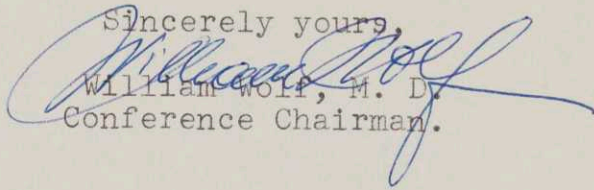
One of the basic, and I think, essential concepts in this connection is the cybernetic aspect of rhythmic functioning in living organisms. When I discussed this with Dr. Lawrence Stark we naturally thought that it would be splendid if we could prevail upon you to discuss some phases of the subject for us, those that you feel would be most helpful and appropriate for a convention like this where the participants come from disciplines like botany, zoology, psychology, internal medicine, etc. in addition to participants in from certain underlying branches describing models, statistics and the like. We feel very strongly that without good grounding in basic concepts like feedbacks and related processes research in rhythmic functioning would be greatly retarded.

May I therefore take the liberty of inviting you to favor us with a presentation? It need not be formal if you so prefer although we could easily take your remarks down on tape so that they may not be lost. This, however we would leave entirely to your wishes. We would, of course, let you know in advance exactly the time of your presentation so that you may be free to spend as little or as much time as you like here in New York.

Since I am at the moment in the process of finishing the details of our program I would appreciate it greatly if you would let me know at your convenience whether this invitation is acceptable to you and if so, what a tentative title of your presentation would be.

Anticipating the pleasure of your reply and of having the honor to have you with us, I remain,

Please reply to:  
William Wolf, M. D.  
40 West 59th Street  
New York City, 19, N. Y.

Sincerely yours,  
  
William Wolf, M. D.  
Conference Chairman.

*Dr. G. L. H. M.*  
*v. R. / W.*

PERM BOND

Douglas C. Hopkins  
Box 65  
South Acton, Massachusetts  
February 17, 1961

Dr. N. Wiener  
M. I. T.  
Cambridge, Mass.

Dear Sir:

I am in the ninth grade and am writing a report on Cybernetics. I would like to know if I could get a copy of your article "Some Moral and Technical Consequences of Automation," and any other information which you can give me to help my report. Also, can you refer to me any other sources of information which I may use. Thank you.

Yours,

Douglas Hopkins

[ans 2/20/61]

February 17, 1961

Mr. Harry B. Henshel  
Bulova Watch Company  
Bulova Park  
Flushing 70, N.Y.

Dear Mr. Henshel:

My letter of February 9 was prompted by a stencilled letter of yours dated October 20, and as I have just come back from 8 months abroad, I am only now getting to a lot of mail that has been held for me here.

My interest in problems of timekeeping machinery is genuine, and while I had not thought of giving a talk on the matter, I may do an article on it sometime in the future.

Sincerely yours,

Norbert Wiener

NW/emr

February 17, 1961

Mr. Robert F. Kiely  
St. Mary's Seminary  
600 North Paca Street  
Baltimore 1, Md.

Dear Mr. Kiely:

I shall be glad to be of any help to you in your dissertation. At the same time, I must say that biographical dissertations about living people do, to my mind, represent a certain degree of intrusion of personal privacy, particularly, if the person in question is asked to contribute to an article which will inevitably involve a certain amount of judgment of his own work.

There is no criticism of you in this, but there is definitely a criticism of those teachers who assign projects to students of the nature of questionnaires and other similar work involving the personalities of outside people. In other words, I hope this letter will get back as a protest to those who make such assignments.

Sincerely yours,

Norbert Wiener

NW/emr

February 17, 1961

Mr. Robert C. Landes  
8100 Niles Avenue  
Skokie, Ill.

Dear Mr. Landes:

With regard to your letter of Nov. 11 in which you inquired about information on the bioelectrical artificial limb, Prof. Wiener suggested that I give you the address of Prof. B.N. Naumov who was one of the important organizers of the Congress of Automation where the paper on the above topic was presented. It is:

Prof. B.N. Naumov  
Moscow I-53  
Kalanchevskaya ul., 15-a  
Institute of Automation and Telemechanics  
USSR Academy of Sciences  
Moscow, USSR

I hope he will be able to help you.

Sincerely yours,

Eva-Maria Ritter  
Secretary to Prof. Wiener

February 17, 1961

Miss Soriana Lebed  
353 Ft. Washington Ave  
New York 33, N.Y.

Dear Miss Lebed:

Thank you for your letter of December 28 which I only now have a chance to answer.

It is extremely hard for me to answer your question concerning a research paper on cybernetics, as I am quite unaware of the connotation of the word "research" when applied to freshman papers. Since you already have read my book "The Human Use of Human Beings", I suggest the sensible thing for you to do would be to write to me any questions or disagreements which you have come across in reading it. You see, I have other articles and papers on the subject, but they are mostly rather technical, and until I get a definite impression of where you yourself stand in your own work, I think there is not much that I can do.

Hoping to hear from you, I remain

Sincerely yours,

Norbert Wiener

NW/emr

February 17, 1961

Prof. Norman Vincent Timewell  
Lecturer in English Studies  
Germersheim/Rhein  
Hertlingstrasse 9  
Germany

Dear Prof. Timewell:

Prof. Wiener has asked me to thank you for your letter of January 30 in which you requested information on the talk Prof. Wiener gave in Hannover last September. You will probably be able to secure a copy by contacting the Redaktion der Naturwissenschaften, Göttingen, Jennerstrasse 21. As we already have the galley proofs, it should be in print.

Should you have difficulty in getting hold of a copy, don't hesitate to write us again. In the meantime, I am sending you as many reprints of papers that I have on hand as might be related to the subject.

Sincerely yours,

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

Separate Cover



February 17, 1961

Mr. Michael Weinless  
42-18 216 Street  
Bayside 61, N. Y.

Dear Mr. Weinless:

In your letter of September 28 you asked me to read your article and send you my criticism.

I think that your difficulty comes from the fact that the logarithm in complex function theory is not quite the same thing as the logarithm in real function theory. As a function of a complex variable the logarithm is, as you say, a many-valued function even if this complex variable happens to have real values. In real function theory, the logarithm is defined for a positive number as the real value among all other values of the logarithm. Sometimes a distinction is made between the two definitions of logarithm by the use of a capital L, I think, for the real value. In any case, I think the answer to your question is that you are right and that these considerations are a little elementary even for the journal to which you sent your article.

Sincerely yours,

Norbert Wiener

NW/emr

*P.S. I am returning your manuscript  
under separate cover*

February 17, 1961

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

Dear Mr. Weisinger:

I have just returned from 8 months of travel and lecturing abroad, and contrary to what I had thought a year ago, I did not find the time necessary for writing the proposed article on that trip.

I regret very much that it was impossible for me to fulfil this obligation. It has shown me that I have neither the time nor the energy to devote to non-research work. I find it very hard to do solicited articles, and rather than write something that is not up to standards, I'll not write at all. I hope you will understand, and I also hope that my late notification will not cause you any difficulty.

Sincerely yours,

Norbert Wiener

NW/emr

February 17, 1961

Mr. Edward Williams  
60 West Station Road  
Ocean City, N.J.

Dear Mr. Williams:

The thesis on cybernetics you refer to in your letter of February 13, which was forwarded to my office, is actually Prof. Wiener's famous book "Cybernetics" which was published about 1948. It is a highly technical book which can be bought in book stores where you can also find its small popular, less technical companion "The Human Use of Human Beings".

Sincerely yours,

Eva-Maria Ritter  
Secretary to Prof. Wiener

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CAMBRIDGE 39, MASS.

DEPARTMENT OF MATHEMATICS

February 20, 1961

Professor Norbert Wiener  
Room 2-276  
M. I. T.


Dear Professor Wiener:

The Department would like to extend to you a cordial invitation to a luncheon for the Visiting Committee Tuesday, March 7 in Dining Room 2 of the Faculty Club.

The luncheon will begin at 12:30 P.M. and is expected to be over not later than 2:30 P.M.

I hope that you will be able to attend.

Very sincerely yours,



W. T. Martin

WTM/bas



# REPUBLIC AVIATION CORPORATION

FARMINGDALE, LONG ISLAND, NEW YORK

Telephone CHapel 9-1100

February 20, 1961

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

Dear Dr. Wiener:

During the past three decades alphabetical symbols have become part of the American vocabulary -- from NRA to R&D.

At a time when our nation girds for full-scale exploration of outer space, and you and your contemporaries have challenged new frontiers, we believe that the second symbol -- standing for Research and Development -- is the key to survival for not only our own way of life, but that of the Free World as well.

In that spirit, we plan to dedicate Republic's new Research and Development Center in April on Long Island, where so much aviation history has been cradled. As part of the ceremonies a special container will be sealed -- a capsule containing a treasury of representative American opinions, hopes and ambitions obtained in our own unique census.

Because history today is measured in countdown seconds rather than years, this container will be opened, by special device, on January 1, 1965, instead of having the hundred-years entombment traditionally accorded a "time capsule." Since four years is a period of history matching a Presidential term it seems a significant span for such a measurement in our democracy.

This container or capsule will contain answers to a series of searching questions which we will shortly send to three thousand American leaders in every field of achievement and influence. (Individual responses will, of course, remain confidential except where specific permission to publish is granted.)

The composite answers will represent a provocative preview of the next four critical years by men who must and will make most of our "command decisions."

The questions have been prepared under the guidance of America's most distinguished observer of the forces that mold public opinion, Mr. Elmo Roper, and by the Research Institute of America, whose specialists will analyze for us the results of our "projectionnaire" into the future.

We hope this project will stimulate among other Americans not a fear, but an

(more)

accelerated concern for the future. Perhaps in this way we can contribute to a cure of our persistent complacency.

Attached is your copy of the census questionnaire, but we hope you might contribute in another way:

There is in every field of man's endeavor some great challenge -- a Mt. Everest -- the four-minute mile -- the sound barrier -- some single unconquered peak or frontier. In space, the goal is to send man to a distant planet or into orbit and to return him unharmed and well. In medicine, a cure for cancer or the common cold. In human relations, an end to bigotry.

How would you define, for all to understand, the next great and elusive discovery in your own field? Do you foresee achievement by 1964? Technological progress is not isolated from social and economic considerations. What impact will these have upon your area of specialization? And, conversely, what impact will the work of you and your contemporaries have upon other areas affecting each of us?

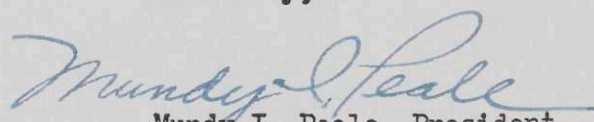
You probably feel, somewhat as I do, that industry has a responsibility beyond that of pursuing all avenues of technical advancement: the responsibility of using its ancillary skills of "communication" to the end that "people" in general will have the greatest possible understanding of at least the significance of great scientific efforts that are afoot.

I feel that in this unusual census we will have an effective vehicle for disseminating just that kind of understanding. Hence we propose to publish and broadly distribute a digest of these uniquely authoritative opinions.

It would help us all if true leaders like yourself could set up for all young men to see as clearly as football goal posts some of the objectives -- and some of the problems -- for which America must stretch and reach and overcome, in the Sixties.

May I extend to you in advance my sincere appreciation for your participation.

Cordially,

  
Mundy I. Peale, President

[ans 3/15/6]

FORESIGHT INTO  
1965



A SURVEY OF 3,000  
AMERICAN LEADERS  
PREPARED FOR  
REPUBLIC AVIATION CORP.  
BY ELMO ROPER

A few notes of explanation:

The basic part of this questionnaire was designed to take about fifteen minutes - not as time-consuming as it might seem.

We have been generous with space because we don't want to draw you into a mold. There is space around each question for any explanatory comments you may want to add.

Wherever possible and applicable we have included pertinent figures - the figures you need as a base for your prophecies and projections.

Our basic time reference is January 1965, as compared to January 1961 - the span of the current Presidential term.

1. First, to set the stage, who will be on:

The Republican ticket in 1964 election \_\_\_\_\_

The Democratic ticket in 1964 election \_\_\_\_\_

And the winners in the election will be \_\_\_\_\_

2. And who will be that President's foreign counterparts? Here is a list of important (for one reason or another) national leaders. Which of them will still be in power on January 1, 1965?

	<u>Still in Power</u>		<u>Still in Power</u>
Communist China's <u>Mao Tse-tung</u>	_____	France's <u>de Gaulle</u>	_____
Free China's <u>Chiang Kai shek</u>	_____	Germany's <u>Adenauer</u>	_____
Cuba's <u>Castro</u>	_____	Ghana's <u>Kwame Nkrumah</u>	_____
Dominican Republic's <u>Trujillo</u>	_____	India's <u>Nehru</u>	_____
Egypt's <u>Nasser</u>	_____	Portugal's <u>Salazar</u>	_____
England's <u>Macmillan</u>	_____	Russia's <u>Khrushchev</u>	_____

3. By 1965, will Red China be:

In the U.N. \_\_\_\_\_

Still out of the U.N. \_\_\_\_\_

4. The countries which are now known to be able to produce atomic bombs are four in number: The United States, Russia, England and France. In 1965 added to that list will be:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. By January 1, 1965 will a man have reached the moon?

Yes \_\_\_\_\_ No \_\_\_\_\_

Who will get there first?

U.S. \_\_\_\_\_ or U.S.S.R. \_\_\_\_\_

or \_\_\_\_\_  
(country)



6. Only recently has jet plane transportation become generally available but people are already speaking of new and much faster commercial jet airliners. What is your guess as to the state of affairs in 1965?

	<u>Facts in 1960</u>	<u>Your guess for 1965</u>
<u>Air time by commercial airliner:</u>		
New York to Los Angeles	5-3/4 hours	_____ hours
New York to London	6-1/2 hours	_____ hours
New York to Washington	1 hour	_____ hours
<u>Ground time from midtown New York to Idlewild Airport</u>		
	1 hour	_____ hours

7. What will the Dow Jones industrial average be on December 31, 1964?

<u>At the start of the two previous presidential terms it was:</u>		
<u>December 31, 1956</u>	<u>December 31, 1960</u>	<u>December 31, 1964</u>
499.97	615.89	_____

8. On December 31, 1960 the common stock of General Motors was quoted at 40 5/8; what will the price be on December 31, 1964? \_\_\_\_\_

9. The average consumers price index in 1952 was 113.5. In 1956 it had gone up 3 points to 116.2; in August 1960 it was 126.6, ten points higher.

How many points do you expect it to rise in the next four years? \_\_\_\_\_

10. The much talked of rate of growth in National Product was for a long time 3 per cent per year. In the last 4 years, it has dropped to an annual rate of 2 per cent. Many feel 3 1/2 per cent is the realistic figure but both Governor Rockefeller and President Kennedy talk of a 5 or 6 per cent rate of growth.

What is your estimate of the annual rate of growth in the Gross National Product in the year 1964? \_\_\_\_\_%

11. In December of 1960, unemployment stood at 4 1/2 million, one million higher than a year earlier.

What figure would you expect for December 1964? \_\_\_\_\_ million.

12. Shown below are the percentages of college degrees in the academic year 1958-1959 in various fields. Would you indicate whether you expect each percentage to be higher, lower, or unchanged in 1964-65?

In 1958-59:	In 1964-65 would expect this percentage to be:		
	Higher	Lower	About the same
10% were in Engineering	_____	_____	_____
2% were in Medicine and Dentistry	_____	_____	_____
10% were in Physical Sciences	_____	_____	_____
4% were in Social Sciences	_____	_____	_____
2% were in Religion	_____	_____	_____
2% were in Law	_____	_____	_____

13. In the last four years the marriage rate has dropped from 9.5 to 8.5 - while the divorce rate had held steady at 2.3 per 1,000 population, a relative increase. By January 1965, do you expect that the relative divorce rate will have:

- Continued to increase \_\_\_\_\_
- Held Steady \_\_\_\_\_
- Decreased \_\_\_\_\_

Now, on some less serious but still significant subjects.

14. In January 1965 the Davis Cup Men's World Tennis Championship will be held by:

Country \_\_\_\_\_

15. The "World Champion" in the 1964 Olympics will be: Country \_\_\_\_\_

16. Present records for the 100-yard dash are 9.3 seconds, unchanged since 1948 - for the mile, 3 minutes and 54.5 seconds held since 1958, and for the high jump, 7 feet 3 3/4 inches, set in 1960 (but unofficially broken in Russia.)

In 1965 the 100-yard dash record will be \_\_\_\_\_ seconds.

The mile record will be \_\_\_\_\_ minutes, \_\_\_\_\_ seconds.

The high jump record will be \_\_\_\_\_ feet, \_\_\_\_\_ inches.

17. In the Fall of 1960 the combined weekly network programs on TV included 20 hours of Westerns. How many hours per week of Westerns will there be in Fall 1964?

\_\_\_\_\_ hours

18. By January 1965 what do you expect of pay television and color television? Of the over 45 million homes with television, 750,000 have color, only a few experimental areas have Pay TV. In 1965 how many families will have?

Number of homes with color sets \_\_\_\_\_

Number of homes with Pay TV \_\_\_\_\_

19. There are three basic sizes of cars in use in this country today - the very small (Volkswagen size - 8% of 1960 sales,) the "compacts" (Falcon or Rambler size - 25% of 1960 sales,) and the standard size (Chevrolet, Chrysler, etc. - 67% of 1960 sales.) In 1964 the percentages of sales for these three sizes will be:

Very small	_____	%
Compact	_____	%
Standard	_____	%
Total		100%

20. By 1965 will we have established a process to convert sea water into fresh water useful for irrigation purposes on a financially practical basis?

Yes \_\_\_\_\_ No \_\_\_\_\_

21. Will we have developed a safe and inexpensive contraceptive pill?

Yes \_\_\_\_\_ No \_\_\_\_\_

\* \* \* \* \*

Cutting the questionnaire to a length that would not ask for too much of your time was difficult - but cut we did and this is the end of our "priority" list. Thank you very much indeed for your help.

If you have more time, we think you will find the questions which follow also interesting and challenging. We would be most grateful for your answers to them as well. But if you can't, please return the questionnaire anyway even if it is not completely filled out.

First some further questions on the international situation and national security.

22. As part of this picture, what will have happened about atomic weapons control?

Will the production of atomic bombs be controlled by effective international inspection and control? \_\_\_\_\_

or

International inspection and control of atomic armaments will be established but ineffective \_\_\_\_\_

or

International inspection and control of atomic armaments will still be in the negotiation stage \_\_\_\_\_

or

Negotiation for the control and limitation of armaments will have been abandoned \_\_\_\_\_

23. By 1965, the effectiveness of the United Nations as a force in international relations will have:

Increased considerably \_\_\_\_\_

Increased a little \_\_\_\_\_

Stayed about the same \_\_\_\_\_

Decreased considerably \_\_\_\_\_

Be non-existent \_\_\_\_\_

24. In fiscal 1960 - the last year of President Eisenhower's term - expenditures for defense and foreign aid were as shown below:

Fiscal 1960

\$41.2 Billion

2.0 Billion

2.1 Billion

Military expenditures

Foreign aid (military assistance)

Foreign aid (other)

What will the figures be for fiscal 1964, at the end of President Kennedy's term? \_\_\_\_\_

25. What about progress toward control and cure of leading fatal diseases?

The current death rate for heart diseases is 519.7 per 100,000. What will it be in 1965 \_\_\_\_\_

How about progress toward a cancer cure?

The current death rate is 147.1 per 100,000. What will it be in 1965? \_\_\_\_\_

26. In January 1965, what will be the state of "the cold war" relations between the Russian-dominated Communist world and the non-Communist world?

Tension will have lessened a great deal \_\_\_\_\_

Tension will have lessened somewhat \_\_\_\_\_

Things will be about the same \_\_\_\_\_

Tension will be greater but not in a state of war \_\_\_\_\_

There will be continuing series of local wars \_\_\_\_\_

There will be a general conflagration \_\_\_\_\_

27. The relations between Red China and Russia will be:

Better \_\_\_\_\_ Worse \_\_\_\_\_ About the same \_\_\_\_\_

And here at home:

28. Will there be a Secretary of Urban Affairs in the President's cabinet by 1965?

Yes \_\_\_\_\_ No \_\_\_\_\_

29. The U.S. Supreme Court's 1954 ruling on school desegregation affected 17 Southern states and the District of Columbia. By the end of 1960, action had been taken toward desegregation in all but 4 states but 94 per cent of Negro students were still attending segregated schools in the South.

In January 1965 the number of states where no action has been taken will be:

4 \_\_\_\_\_ 3 \_\_\_\_\_ 2 \_\_\_\_\_ 1 \_\_\_\_\_ 0 \_\_\_\_\_

And the percent of Negroes still attending non-integrated schools in the South will be:

99% \_\_\_\_\_ 94% \_\_\_\_\_ 90% \_\_\_\_\_ 80% \_\_\_\_\_ 70% \_\_\_\_\_ 60% \_\_\_\_\_  
50% \_\_\_\_\_ 40% \_\_\_\_\_ 30% \_\_\_\_\_ 20% \_\_\_\_\_ 10% \_\_\_\_\_ 0% \_\_\_\_\_

30. By 1965, church attendance will have:

Increased a great deal \_\_\_\_\_  
Increased a little \_\_\_\_\_  
Stayed the same \_\_\_\_\_  
Decreased a little \_\_\_\_\_  
Decreased a lot \_\_\_\_\_

31. Of the 1,119 stocks listed on the New York Stock Exchange in the year 1960 the five showing the largest percentage rise over the year were Chock Full O' Nuts (Food and Coffee,) Brunswick (Bowling equipment,) NAFI (Boats, broadcasting, oil,) Lionel (Toys and defense,) Decca (Records.) Of course there were special considerations in each case, but four of the five had in common some connection with leisure time activities. What are your five candidates for the stocks which on January 1, 1965 will have made the largest gains in the previous year? (If you can't name specific stocks, name categories.)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

32. Robert Moses says he estimates the two-year total attendance at the New York 1964-65 World's Fair to be 70 million. What do you expect the first year's attendance of the 1964-65 Fair to be?

\_\_\_\_\_million

33. The Gallup poll's December 1960 list of the American public's ten most admired men was:

- |                          |                       |
|--------------------------|-----------------------|
| 1. President Eisenhower  | 6. Rev. Billy Graham  |
| 2. Sir Winston Churchill | 7. Adlai Stevenson    |
| 3. Dr. Albert Schweitzer | 8. President Truman   |
| 4. President Kennedy     | 9. Henry Cabot Lodge  |
| 5. Richard Nixon         | 10. General MacArthur |

a. Which of these will still be on the list as of December 1964?

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

b. Who are your candidates for probable additions to the list?

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

February 20, 1961

Mr. Douglas C. Hopkins  
Box 65  
South Acton, Mass.

Dear Mr. Hopkins:

With regard to your request to send you some material on the subject of cybernetics, I must tell you that we have no more copies of the article you mentioned available. If you wish, we can make photostatic copies of the one we have here and bill you for it. I think the cost is \$.25 for two pages. Another way to obtain information on the subject, is to read the pocket book "The Human Use of Human Beings". I also enclose a paper Professor Wiener has given at an earlier date and hope you won't find it too difficult.

Sincerely yours,

Eva-Maria Ritter

February 20, 1961

Mr. John Lear  
Saturday Review  
25 West 45th Street  
New York 36, N.Y.

Dear Mr. Lear:

When I was in Russia last summer, I was asked by the Voprosy Filosofii to do an article for them on the role of science in society. I was given carte blanche as to what I was to write, and I decided to emphasize the role of science as a homeostatic or equilibrium preserving mechanism for society in the presence of unknown vicissitudes in man and his environment. Here I have emphasized the dangers of too rigid a view as to what human purpose is. You will see that although the journal which solicited my article is an openly Marxian journal, my ideas are not conceived in the Marxian frame work.

The article has already been accepted by the Russian journal and I have asked them for the permission to republish it abroad. This permission has been granted, and I have already submitted copies to an Italian journal on the philosophy of science and to the Technology Review. With the consent of these places I am sending a copy to you. Would you do me the favor to look it over and to let me know if it has any possible interest to the readers of the Saturday Review?

Of course, I shall quite understand if you come to the decision that it is not suitable or that it is undesirable for you to take up due to its previous diffusion.

Looking forward to hear from you, I remain

Sincerely yours,

Norbert Wiener

NW/emr



February 20, 1961

President A. L. Sachar  
Brandeis University  
Waltham 54, Mass.

Dear President Sachar:

Thank you for your invitation to return to the Brandeis Campus for a third lecture.

I shall be delighted to accept. As my secretary has already settled the date by telephone with Mrs. Rintels of the Brandeis Education Dept., I should like to confirm the date, March 2, as the day of my lecture at your distinguished university.

Looking forward to hear from you, I remain

Sincerely yours,

Norbert Wiener

*To be picked up at home by student driver*

February 20, 1961

Mr. Volta W. Torrey  
1-281  
M.I.T.

Dear Mr. Torrey:

With regard to my article "Science and Society" it has occurred to me that it would be a good idea, as a courtesy, to wait with the publication of the article here until the Russian journal has had it out, thereby not only giving, of course, full acknowledgement that the article was written for Voprosy Filosofii, but giving them first chance.

You will find the address of the journal below. Perhaps you may want to ascertain the date of publication. Thanks again.

Sincerely yours,

Norbert Wiener

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



UNION CARBIDE PLASTICS COMPANY

DIVISION OF UNION CARBIDE CORPORATION

RIVER ROAD, BOUND BROOK, N. J.

February 21, 1961

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

Dear Professor Wiener:

As you will probably recall, I wrote to you last September 30, inviting you to address the Union Carbide Plastics Company Branch of the Scientific Research Society of America (RESA). We regret that you were unable to accept that invitation, and we now wish to invite you to speak during the 1961-2 academic year on electronic brains or a related subject of your choice.

The conditions would be similar to those given in my earlier letter. Our group, consisting largely of Ph.D. organic chemists, is interested in a talk about 1 1/2 hours in length and on a high technical level. An honorarium of one hundred dollars (\$100.00) would be given, and travel expenses would be reimbursed.

We would like to schedule your talk for a week night, preferably in the fall, although our schedule is open for the entire year. If you expect to be available, we will appreciate your giving us two or three alternate dates. If you are unable to accept our invitation, your suggestions regarding other qualified speakers in the field will be greatly appreciated. I shall look forward to hearing from you.

Very truly yours,

*Robert Barclay, Jr.*

Robert Barclay, Jr.  
Program Chairman  
UCPC Branch, RESA

*no*  
RBjr:hk

**FUNK & WAGNALLS** STANDARD REFERENCE **ENCYCLOPEDIA**  
UNICORN CORPORATION 53 EAST 77TH STREET NEW YORK 21, NEW YORK

ARNOLD ANDERSEN  
Executive Editor

February 23, 1961

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

Dear Sir:

In connection with the forthcoming edition of Funk & Wagnalls Standard Reference Encyclopedia, can you please check the enclosed tearsheet for accuracy and completeness and return it to us before the end of February.

Thank you.

Sincerely yours,

*Arnold Andersen*  
Arnold Andersen

AA:dfh

Enc.

[and 2/27/61]

GRUMMAN AIRCRAFT ENGINEERING CORPORATION

BETHPAGE, LONG ISLAND, NEW YORK

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Research Department  
February 23, 1961

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

Dr. Weiner:

Somewhere or other I noted that you are presenting - at Purdue I believe, your work on the mathematics of self-organizing systems. This writer is doing his best to make some headway in understanding the organization of self-conscious, rationalizing "machines" and - probably like most, he resembles the "poor way-faring stranger."

To get to a point, my inquiry assumes that you would prefer not to divulge the paper before the Purdue Congress convenes; therefore this is designed to elicit a few generalizations about the paper, perhaps an abstract or summary.

I would offer the reward of trading generalizations but presently I am short on the currency of this barter.

Sincerely,

*Robert Bernhard*

RB:al

Robert Bernhard  
Research Engineer

[and 3/13/61]

INSTITUTO POLITECNICO NACIONAL  
CORRESPONDENCIA PARTICULAR DEL  
DIRECTOR GENERAL

México, D.F.,  
23 de febrero de 1961.

SR. DR. JULIUS A. STRATTON,  
Presidente del Instituto Tecno-  
lógico de Massachusetts,  
Cambridge 39, U.S.A.

Muy distinguido señor Presidente:

Seguramente está usted informado del interés que hemos tenido en el Instituto Politécnico Nacional de crear un Centro de Investigación y de Estudios Avanzados que opere como una Escuela de Graduados y que a la vez permita el desarrollo de la investigación científica en todas sus fases y la obtención de resultados que puedan ser útiles en la resolución de problemas tecnológicos.

En el transcurso de los estudios preparatorios que se han llevado a cabo, tropezamos con un gran número de dificultades debidas fundamentalmente a nuestra falta de experiencia y el desconocimiento de los métodos de organización de la investigación; se sabía que no bastaba con tener el concurso de personas bien dotadas intelectualmente y con un entrenamiento personal adecuado, sino que era fundamental estructurar debidamente el órgano que pudiera facilitar su labor y que obtuviera de ellas el mayor rendimiento.

Ha sido natural, entonces, que hayamos querido recoger las experiencias y las enseñanzas de los centros que en el mundo se distinguen por la eficiencia de sus actividades académicas y de investigación en los más altos niveles y desde luego pensamos en el Instituto que usted preside dignamente.

Es un motivo de particular satisfacción el hecho-

INSTITUTO POLITECNICO NACIONAL  
CORRESPONDENCIA PARTICULAR DEL  
DIRECTOR GENERAL

- 2 -

de que en todo momento contamos con su simpatía y apoyo y con el decidido entusiasmo de distinguidos miembros de su personal. Tuvimos la oportunidad de invitarlos a México y gentilmente aceptaron dicha invitación con la autorización que usted les otorgó para el efecto.

El Centro de Investigación y de Estudios Avanzados de nuestro Instituto ha sido creado oficialmente y ya se inicia la construcción del edificio que le será destinado, con un costo de diez millones de pesos mexicanos; asimismo, contará con un presupuesto inicial para su operación de seis millones de pesos que esperamos incrementar con las aportaciones que se obtengan por conducto de su Patronato. La dirección del Centro ha sido encomendada al hombre de ciencia mexicano más distinguido que tiene un bien ganado prestigio mundial: el Doctor Arturo Rosemblueth, eminente fisiólogo que hasta antes de aceptar el cargo fue Jefe del Departamento de Fisiología del Instituto Nacional de Cardiología de México, que anteriormente fue un prestigioso investigador en la Universidad de Harvard y que desde hace muchos años ha llevado a cabo trabajos importantes en colaboración con el Profesor Norbert Wiener, del M. I. T.

Sin embargo, a pesar de la gran capacidad del Dr. Rosemblueth y de la buena disposición que tienen las autoridades mexicanas para hacer florecer nuestro Centro de Investigación, quizá su esfuerzo hubiese sido insuficiente, de no haber contado con el sabio consejo de diversos institutos e investigadores; y en este aspecto, ha sido decisiva la cooperación que nos ha brindado el Instituto Tecnológico de Massachusetts.

Quiero por ello, señor Presidente, a nombre del Instituto Politécnico Nacional, agradecer a usted cumplidamente su generosa disposición y la invaluable ayuda de los señores profesores Norbert Wiener, Gordon S. Brown, George Harvey, Henry Zimmermann, Ralph A. Sayers, --

INSTITUTO POLITECNICO NACIONAL  
CORRESPONDENCIA PARTICULAR DEL  
DIRECTOR GENERAL

- 3 -

Robert M. Fano, Manuel Cerrillo, William M. Siebert, Jerome Lettvin, Delbar P. Keily, Elie J. Baghdady y Stephen Simpson, todos ellos del personal de ese ilustre Instituto.

Deseo que en el futuro se pueda desarrollar una fértil colaboración entre el MIT y nuestro Centro de Investigación que iniciará sus labores hacia fines de este año y a reserva de que, con toda oportunidad le hagamos saber la fecha de su inauguración, quiero desde ahora hacerle la invitación de que asista a ese acto que para nosotros representa la iniciación de labores de un establecimiento cuyo propósito es el de dignificar y significar a la investigación científica mexicana.

Reciba usted las seguridades de mi más atenta y fina consideración.

  
ING. EUGENIO MENDEZ.  
Director General.

c. c. p. -El Profesor Norbert Wiener, Instituto Tecnológico de Massachusetts, Cambridge 39, U. S. A.

EM/gm/trt.



February 23, 1961

Prof. E. R. Caianiello  
Institute of Theoretical and Nuclear Physics  
Napoli  
Mostra d'Oltremare, Pad. 19  
Italy

Dear Professor Caianiello:

We are now two weeks back in the States where we arrived in a blizzard after a trip which would have been intolerable if we had not been on such an excellently run boat. I immediately started looking up my friends in New York including Shedlovsky of the Rockefeller Foundation and Moe of the Guggenheim. I think you can take it that if I find the right man or men for our project in Italy, we shall not have the slightest difficulty in getting them subsidized by the Guggenheim. I am now looking over the work of my colleagues on brain waves and have reason to believe that conditions are better than I feared.

They gave my wife and myself a big party when we returned, and it was a most gratifying affair. Now I am back in full harness.

As to the Voprosy Filosofii paper which I gave you for publication in Italy, I am also publishing it in the Technology Review here at MIT and submitted for more general publication to the Saturday Review. It occurred to me that it would be a sign of courtesy both for these places of publication and for you in Italy not only to give full credit to the Voprosy Filosofii but also to ascertain the date of publication (I think it is April) in Russia, and hold off with our circulation, so as to give them first chance.

Margaret and I are back in splendid shape. Margaret has had a medical checkup by the surgeon who operated on her and has reported that everything is clear and that if her present state of health is the result of her trip, she should take more trips like it.--  
And to say again what a perfect home away from home we found in Naples, we want very much to be there again and shall certainly be able to manage it--God willing and weather permitting!

Will you please pass the good word from us to all our friends in the Laboratory? By all our friends I mean you, Braitenberg, Lauria, the students, Mrs. Hilliard, the administrative and secretarial staff and the janitor and the cleaning-woman. I want to comment

Prof. E. R. Caianiello--2

again on the harmony and humaneness of the Institute. You will hear from us from time to time until next February when we expect to be on our way to be among you again.

With regards from house to house,

Sincerely yours,

Norbert Wiener

NW/emr

February 23, 1961

Dr. William Wolf  
40 West 59th Street  
New York City, 19  
New York

Dear Dr. Wolf:

Thank you for your invitation to participate in the International Congress on Biologic Rhythms held by the N.Y. Academy of Sciences.

I shall have an extremely busy year, but this is a field that is of great interest to me, and I should like to accept your invitation. I have not yet decided on the topic of my presentation, but shall let you know as soon as I can.

Looking forward to hear more about your program, I remain

Sincerely yours,

Norbert Wiener

NW/emr

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ADDITIONAL PROMOTION

(see page 2)

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## ADDITIONAL PROMOTION

# AMERICAN MATHEMATICAL SOCIETY

190 HOPE STREET, PROVIDENCE 6, R. I.

February 24, 1961

GORDON L. WALKER  
EXECUTIVE DIRECTOR

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

Dear Professor Wiener:

Professor Ulam has asked me to write to you concerning the financial arrangements for participants at the Symposium on Mathematical Problems in the Biological Sciences.

As Discussion Leader of a session, you will be paid a stipend of \$150 during the Symposium.

Since there are more speakers, and more will incur travel expenses from the West, than were provided for in the preliminary plans for this Symposium, it is necessary to place individual limitations on travel and subsistence expenses that can certainly be paid under the budget.

Based on the distance you are expected to travel, the travel and subsistence expenses that can certainly be paid you is limited to \$100. Since experience in conducting symposia in the past has shown that there usually are participants who arrange to cover their travel and subsistence expenses from other sources, it is expected that there may be a residue in the budget after payments are made subject to this initial limitation. When the amount of the residue is established, it will be prorated among the individuals submitting claims in excess of the initial limitation.

So the procedure for handling travel and subsistence expenses will be the following. The enclosed voucher should be submitted to the Headquarters Offices in Providence as soon as all expenses are known. Your claims, if any, will be paid up to the initial limitation in the preceding paragraph. Finally, when all claims are known, an additional disbursement will be made of the residue (if any).

In order that we may make a prompt disbursement of the residue, it will be necessary that we receive promptly travel expense vouchers from all participants, including those not making a claim under this budget. If you have any questions concerning the financial arrangements, I would be pleased to undertake to answer them.

Professor Norbert Wiener

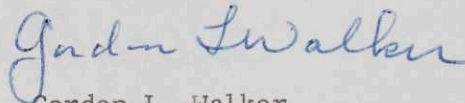
- 2 -

February 24, 1961

A hotel reservation form is enclosed. If you plan to stay at the New Yorker during the Symposium, will you please send the reservation directly to the hotel.

Finally, may I congratulate you for the role you will play in insuring the success of this Symposium.

Sincerely yours,

A handwritten signature in blue ink that reads "Gordon L. Walker". The signature is written in a cursive style with a large initial "G".

Gordon L. Walker  
Executive Director

GLW:mll  
Enclosures

February 24, 1961

Prof. Sylvan Barnet  
Chairman  
University Lecture Committee  
Tufts University  
Medford 55, Mass.

Dear Prof. Barnet:

Thank you for your kind letter of February 13 which I have not had a chance to answer until now.

The evening of March 14 will be the most convenient for me. I thank you for your invitation to join you for dinner before the lecture and should be pleased to come. The topic Prof. Knipp has suggested is a good one and I see no reason to change it. So it will be "Creativity in Art and Science".

Looking forward to hear from you, I remain

Sincerely yours,

Norbert Wiener

NW/emr

[and 2/27/61]



HOWARD G. KURTZ  
150 Bedford South  
Chappaqua, New York

February 25 1961

DR. NORBERT WIENER

Care to react pro or con direct to Jerry Wiesner?

Care to suggest that others react either way direct to him?

Care to react direct to Lloyd Slater . . . to Chauncey D. ~~W~~eeke?

Please express your views in any way you chose while there may still be time left for action.

A handwritten signature in blue ink, appearing to read "Howard G. Kurtz", is written in a cursive style across the lower right portion of the page.

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February 21, 1961

Dr. Jerome B. Wiesner  
Science Advisor to the President  
THE WHITE HOUSE  
Washington 25 D. C.

Dear Jerry:

Science and technology have made it possible to build an airplane that will transport many tons from New York to Moscow, or Moscow to New York. More powerful non-scientific policy level decisions determine whether these will be (a) transport airplanes drawing two nations closer together, or (b) manned or unmanned bombers with capacities to exterminate civilization.

Science and technology have been mobilized, have been commandeered, within the concept of national defense with such fantastic results that the newest generations of weapons systems, if ever used, will destroy the national security.

Science and technology have not yet been mobilized within the concept of national security. National security means the safety and security of the American people.

The crucial distinction between the concept of national defense, and the concept of national security is a conceptual distinction on the level of the non-scientific policy-level of power which, in the United States, is the personal responsibility of but one human being . . . the man who is President of the United States.

If President Kennedy next week would announce to the world that the United States was committing itself to a long range, large scale, bold new concept for the forward march of science . . . that it was determined to use all of the technological capacities of modern science, not only to keep our strategy of defense, and also our strategy of deterrence, but . . . in addition . . . to the new commitment to the strategy of prevention of war, he would release an explosive force in world public reaction that would never die. He would create an impact on world civilization that would dwarf any future accomplishments in outer space. Where the Kremlin might attract credit for making outer space safe for human life, the United States would be committed to the long range, more difficult goal of making the earth safe for human progress.

Science and technology can be mobilized to annihilate mankind. This we are proving. Science and technology could be mobilized to create a safe and war-proof world, if those with the power higher than technology chose this commitment.

This bold decision is not one for the scientists, or the Scientific Advisor, to make.

But you may well wish to make soundings quickly among leaders from the whole spectrum of physical-political-social-human science as to their abilities to undertake this massive new challenge, when and if the President calls upon them in an urgent mobilization far larger than the Manhattan Project once was.

The new-dimension concept of security. In the environment of modern weapons systems no nation can assure the safety and security and independence of its citizens, until there is some kind of world security device which can assure the safety and security and independence of all nations simultaneously. This concept is so discontinuous with all existing policy and practice that it sounds fantastic and impossible . . . as the idea of man in space once sounded fantastic and impossible.

Where we today plan and operate within the concept of a national security organization ( the Department of Defense) the new dimension calls for a world security organization ( a WAR SAFETY CONTROL Department within the structure of the United Nations or subsequent world security shelter).

The emerging concept is discontinuous with the usual literature on " world government" in that this will be primarily a physical safety organization committed to maintaining the national safety and security of all nations simultaneously, and providing the national independence of all nations simultaneously. " Government" would be a domestic national function and each nation would be as different and peculiar as its citizens will tolerate. . . safe in the knowledge that it will not be dominated or controlled by any foreign power.

There are thousands of reasons why this will be difficult or " impossible" . . . as there were thousands of reasons why man would never make it to outer space. These are problems to be solved.

It may require ten or twenty or more years before the new technologies of WAR SAFETY CONTROL will reach the point of development where world public opinion will form sufficient trust that it can be counted on for world security . . . and nations can afford to arm for national law and order only.

To launch this search for national and world security, President Kennedy might establish three new study centers . . . a generation beyond RAND Corp and Institute for Defense Analysis . . . to specialize on the three first thrusts of research, as follows:-

#### MILITARY SAFETY TECHNOLOGY RESEARCH CENTER

Leading scientists and engineers working today in the most advanced defense systems technologies have assured me that they now are ready to undertake the breathless new challenge of creating the new systems of technologies required to provide the technical base for the world intelligence function of a world-wide WAR SAFETY CONTROL organization, as described in the January 1, 1961 Consulting Report to Theodore C. Sorensen, titled CONTROL OF WORLD CRISIS.

The enclosed copy of letter dated January 22, 1961 from Lloyd E. Slater, Executive

Director, Foundation for Instrumentation Education and Research, indicates serious interest in arranging a large scale inter-discipline conceptual meeting to bring into focus this concept of " world security organization" or " WAR SAFETY CONTROL" as a far broader and more complex political/technical/psychological organization concept than the limited technology of " arms control " alone.

President Kennedy could obtain prompt action by authorizing this organization to hold such a preliminary meeting on the broadest possible base of participation.

The enclosed letter dated February 6, 1961 from Dean Chauncey D. Leake, Chairman of the American Association for the Advancement of Science helps show further possible interest and participation now in such a conceptual meeting by AAAS.

I have solid evidence from some of the outstanding scientists in the country in the advanced defense systems fields, not only of their personal conviction that such fantastic new research goals are now feasible, but that they are urgent and mandatory, if life is to continue.

One of the outstanding men in the field expressed the willingness to take a leave from his university for several years if the government would seriously allow him to turn loose on this kind of new purpose for scientific progress. It is probable, from my knowledge of these men, that great numbers of dedicated scientists and engineers will volunteer if proper research facilities are made available.

In the preliminary conceptual meetings, leading scientists from the fields of nuclear energy . . . chemical warfare . . . bacteriological warfare . . . naval power . . . air power . . . traditional warfare . . . future fantastic warfare . . . would be teamed with specialists in the fields of instrumentation and sensing devices and data transducing and telemetering and data processing and electronic decision-making to outline the specific areas for specific research and development . . . working eventually toward the complex system of safety warning systems to provide the constant detection and monitoring and inspection functions to warn WAR SAFETY CONTROL if some future Napoleon or Hitler begins to mobilize destructive power for military purposes.

Once such complex world intelligence functions are worked out , a whole new spectrum of research and development results will come into play. These will be the non-lethal weapons that a WAR SAFETY CONTROL organization would use to protect and preserve life throughout the world . . . as distinct from the weapons of mass or individual destruction. These are the as yet undeveloped safety techniques, and the tranquilizing gases that quiet combat.

War safety games ( in addition to present war games) will provide the continuing agenda for the research projects on into the future.

Philosophically, WAR SAFETY CONTROL might play the role of imperative for physical safety which AIR TRAFFIC CONTROL plays preventing physical collisions among airplanes flying blind in a cloud. . . preventing the physical collision or threat among nations.

This specialized research and study center will be primarily for physical and military scientists. The political scientists and the social scientists will work in other specialized study centers, on other problems.

#### POLITICAL SCIENCE RESEARCH

When and if a world monopoly of physical strength for military safety purpose is established in a world-wide WAR SAFETY CONTROL organization, this will create as many new problems as it solves. How can this world monopoly of strength be kept from, itself, becoming tyrant over the minds of men and over the governments of nations? Can all nations be made safe from each other, and also independent of each other? Can the idea of "government" be returned to each independent nation, rather than abdicated to some super parliament of man that will impose foreign domination upon all nations?

The proper political controls to be exerted over WAR SAFETY CONTROL by the United Nations or other future world security shelter will be inventions not yet heard of in the political science textbooks. Scholars looking backwards at the dead facts of history for the footnotes to their papers can find only failure in man's yearning for a war-proof world. Can political scientists be mobilized to look forward in creative new explorations and inventions?

#### PUBLIC ANXIETY RESEARCH

I will not go into detail here. There are vast areas of ignorance in this field.

The public behavior follows entirely different and predictable patterns when people are trapped in a closed system of danger, whether riding as passengers in airplane cabins across the world, or whether citizens in a nation frightened, as the U.S. was, by Pearl Harbor.

Page 13 provides a clue ( Report " CONTROL OF WORLD CRISIS ") to the explosive force of world public reaction awaiting the use of world leadership when it emerges.

97% of Soviet population, for example, are not interested in world communism, at all. But they are strongly patriotic people who have been willing to die, if necessary, throughout their history, to protect their Motherland against any foreign threat. 97% of Soviet population would find in President Kennedy's commitment to WAR SAFETY CONTROL the one possible way that the Soviet Motherland can find safety and security in the future . . . . despite the will of the small 3%. Approximately 97% of the patriotic citizens of all nations will find their needed safety and security in WAR SAFETY CONTROL eventually. . . despite the small 3% of their leaders who may be profiting from the threat of war. Approximately 97% of the American people are so interested in national security that they will give their lives, if necessary, to protect the security and independence of the nation . . . . in contrast to the small percentage of business leaders, and military leaders, and professional society leaders who have lost concern for the national security, in the increasing excitement of the increasing profits and promotions each year from the increasing intensity of NATIONAL INSECURITY.

As science and technology make progress through the years in the technologies of WAR SAFETY CONTROL public acceptance of the concept will grow . . . . as the

the public today has accepted the idea that man will one day travel in outer space even though it is not yet a fact. Five , ten, twenty or more years ahead the reality of WAR SAFETY CONTROL may become the kind of new reality that nuclear energy has become . . . the kind of reality that will change the thoughts and dreads of men into hitherto unexplored channels, and new dimensions. Nuclear energy no longer is a matter of faith. One day WAR SAFETY CONTROL and the idea of a war-proof world will no longer be the dream of the idealists.

Spokesmen for the religious and moral sectors of civilization are strongly urging and supporting this new mobilization for the new break-through. . . as you will see from the inside front cover of the report CONTROL OF WORLD CRISIS.

If it is within the power of a political leader to change the trajectory of the progress of science and technology, gradually away from the capacities to exterminate mankind from earth, toward the new purpose of creating a safe and war-proof world in which people of all nationalities, people of all faiths and beliefs, can again move forward in their own peculiar ways . . . does President Kennedy fully realize that he has this control in his hands today?

Can you imagine the world public reaction to an announcement from President Kennedy that the U.S. is committing itself to the long range complex and almost impossible task of developing the techniques for WAR SAFETY CONTROL to create the kind of world in which we will covet safety and security for our enemies, as we do for our neighbors, and we do for ourselves?

Is there some solid reason why this new technology should not be explored?

Many people are willing to get to work on this majestic new challenge.

Can you suggest anything further that should be done?

Sincerely

Howard G. Kurtz

cc: Mr. Theodore C. Sorensen  
 Vice President Lyndon B. Johnson  
 Dr. Herbert York, Department of Defense  
 Dr. Joseph V. Charyk, Undersecretary of the Air Force  
 Dr. Richard S. Morse, Assistant Secretary of the Army  
 Dr. James H. Wakelin, Assistant Secretary of the Navy  
 Mr. Edward R. Murrow, U.S. Information Agency  
 Mr. Charles E. Bohlen, Department of State

МЕЖДУНАРОДНАЯ ФЕДЕРАЦИЯ  
ПО  
АВТОМАТИЧЕСКОМУ УПРАВЛЕНИЮ

Доктор, профессор А. М. ЛЕТОВ  
Президент

Москва, И-53, Каланчевская ул., 15а

INTERNATIONAL FEDERATION  
OF  
AUTOMATIC CONTROL

Dr. Prof. Alexander M. LETOV  
President

Moscow I-53, Kalanchevskaja ul. 15-a

February 25, 1961.

Prof. Norbert Wiener  
Massachusetts Institute of  
Technology  
77 Massachusetts Ave.  
Cambridge 39, Mass.

Dear Professor Wiener,

It was very kind of you and Mrs. Wiener to send me a letter of Dec. 8, 1960.

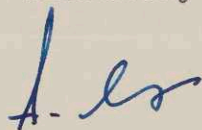
You did the IFAC great credit by participating in its First Congress and I highly appreciate it.

I hope that your wife and yourself have rested after making a trip to Europe and I'm glad to hear that you are planning to visit my country again.

My wife and I will be greatly pleased to meet you and Mrs. Wiener if you will visit Moscow once more. Let me know of your plans in this connection.

With best wishes to you and Mrs. Wiener, we remain,

Sincerely yours,



A.M. Letov



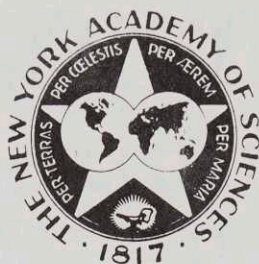
K.D. Letova

[ans. 3-8-61]

# THE NEW YORK ACADEMY OF SCIENCES

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JAMES B. ALLISON, *Biochemistry*  
JACOB FELD, *Engineering*

February 25, 1961.

Professor Dr. Norbert Wiener  
M. I. T.  
Department of Mathematics,  
Cambridge, Mass.

Dear Dr. Wiener:

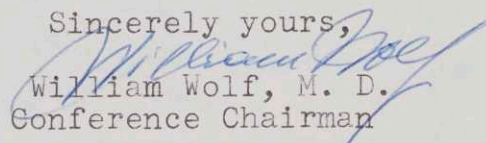
Thank you very much for your kind letter of February 23, accepting our invitation to honor us with a presentation at our forthcoming Congress on Biologic Rhythms.

This Conference will bring together some 40 or so outstanding men and women from here, Europe and Japan engaged in many disciplines that have to do with the study of rhythmic phenomena in living organisms, ranging from unicellular to man and from the shortest to the longest periods.

I hope to have the program completed in about 6 to 8 weeks and as soon as it is put together in final form I shall be indeed happy to send it to you so that you may be able to judge which and how the topics are covered and treated.

Again, many thanks.

Please reply to:  
William Wolf, M. D.  
40 West 59th Street  
New York City, 19, N. Y.

Sincerely yours,  
  
William Wolf, M. D.  
Conference Chairman



Tours le 26 Février 1961

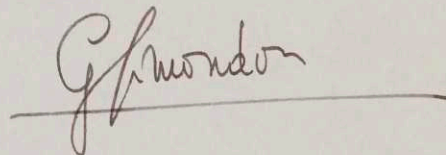
Monsieur le Professeur et Cher Collègue,

M. WAHL; GUEROULT, HYPPOLITE et CRESPELLE, au nom du Comité du Colloque de Royaumont, me font savoir qu'ils tiendraient beaucoup à votre participation, et me chargent de formuler sans tarder une nouvelle demande.

Mais comme la date initialement prévue (du 7 au 11 Septembre 1961), cause des difficultés à plusieurs congressistes invités, le Comité propose que le Colloque sur LE CONCEPT D'INFORMATION DANS LA SCIENCE CONTEMPORAINE se tienne du 6 au 10 Juillet 1961.

La prochaine réunion du Comité devant avoir lieu le 17 Mars à Paris, il serait souhaitable que les réponses puissent me parvenir à mon adresse personnelle pour le 15 Mars.

En joignant à cette nouvelle demande du Comité le voeu personnel que je forme pour qu'elle trouve auprès de vous un accueil favorable, je vous prie de bien vouloir agréer, Monsieur le Professeur, l'expression de mes sentiments respectueusement distingués.



G. SIMONDON

192 rue d'Entraigues - TOURS (Indre & Loire )

TUFTS UNIVERSITY

DEPARTMENT OF ENGLISH

MEDFORD 55, MASSACHUSETTS

February 27, 1961

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

Dear Professor Wiener:

Thank you for your letter of February 24 accepting our invitation to speak on "Creativity in Art and Science" on March 14 at 8:00.

We are pleased, too, that you will join us for dinner. I will be in touch with you shortly before the lecture, so that we can arrange for your transportation here. But can you let me know soon whether Mrs. Wiener will be able to dine with us?

Again I wish to express the University's pleasure that you will be with us.

Sincerely yours,



Sylvan Barnet, Chairman  
University Lecture Committee

SB:ap

Tell people Prof. Wiener is regret.

Prof. + Mrs. W. to be picked up at home 5-530 p.m.

[ms 3/17/61]



## THE UNIVERSITY OF OKLAHOMA

NORMAN · OKLAHOMA

February 27, 1961

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

Dear Professor Wiener:

I presume you are now back in Boston so am writing you there. I was especially disappointed that you were not able to accept our invitation to participate in the symposium in communication theory.

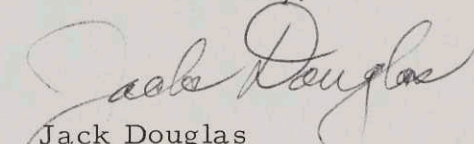
A few of the other participants whom we would like to have find the October 1961 date troublesome, and I am pursuing the question of shifting the date to April 1962. Would this shift alter the possibility of your participation?

We have submitted a proposal for support to the National Science Foundation and will get word of its disposition by the end of April. The Foundation was helpful during the preparation of the proposal, and we have some basis for hope. Acceptances to participate have been received from T. C. Schneirla, Kenneth Pike, Meyer Abrams, Charles Osgood, Roger Brown, Wendell Johnson, Jurgen Ruesch, Karl Wallace, Anatol Rapoport, Muzafer Sherif, and Wilbur Schramm, although Johnson, Rapoport, and Abrams have some difficulty with the October date. We would be greatly pleased if you could join this distinguished group.

If your inability to participate is, indeed, final, I would appreciate a suggestion from you of an outstanding person to discuss the implications of cybernetics in human verbal communication.

I trust that you enjoyed your European travels to the full. Thank you for your kind and generous response to my previous letter.

Yours sincerely,

  
Jack Douglas  
Professor

JD:ab

[ans 3/10/61]



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MANAGING DIRECTOR'S ROOM

IRM/mb

27th February, 1961.

Dr. N. Weiner,  
Department of Mathematics,  
Massachusetts Institute of Technology,  
Cambridge,  
Mass.,  
U.S.A.

Dear Dr. Weiner,

CONCEPTS OF MEDICINE

I have much pleasure in sending you, under separate cover, a copy of this book which we are just publishing.

I hope you will like the presentation of the subject and the style and production of the book. I should be very pleased to hear any comments you may have to make on it.

Should you require any further copies, in accordance with our usual practice you are entitled to purchase these at a discount of 25%. We shall, of course, be glad to mail copies for you if you send instructions and pre-addressed labels with your orders.

Yours sincerely,

I. R. Maxwell.

\_\_\_\_\_  
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Capt. I. R. MAXWELL, M.C. (CHAIRMAN & MANAGING)

C. T. CLARK

E. J. BUCKLEY

Prof. Wiener

С О Р У

27<sup>00</sup> февраля, 1961г.

Многоуважаемый редактор Окулов !

Профессор Норберт Винер дал нам знать, что Вы собираетесь опубликовать его статью "Наука и общество" в Вашем журнале "Вопросы философии". Мы хотели бы поместить английскую версию этой статьи в " - журнале общества окончивших MIT. Мы, конечно, сошлемся на первичный источник этой статьи и на Ваше любезное разрешение его перепечатать.

Когда появится эта статья в Вашем журнале? Мы будем очень Вам благодарны если Вы нам дадите знать как можно скорее так, чтоб наша версия появилась приблизительно в то же время или немного позднее.

С уважением

Редактор

Letter of Velta Torrey to Editor Okulov of 'Voprosy Filosofii' requesting date of publication of Wiener's article Science & Society.

27 February 1961

Mr. Arnold Anderson  
Executive Editor  
Funk & Wagnalls Encyclopedia  
Unicorn Corp.  
53 East 77 Street  
New York 21, N.Y.

Dear Mr. Andersen:

With regard to the tearsheet you sent to Prof. Wiener, I am enclosing a copy of the biographic sheets I keep on Prof. Wiener so that you may look it over and decide on any potential new entries you might wish to make.

There have been a few events to make the list longer, but I should like to leave the decision of selection up to you.

Sincerely yours,

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

Enclosure

27 February 1961

Mr. Robert Barclay, Jr.  
Program Chairman  
UCPC Branch, RESA  
Union Carbide Plastics Co.  
River Road  
Bound Brook, New Jersey

Dear Mr. Barclay:

Thank you for your very nice invitation to Prof. Wiener to give a talk at Bound Brook to your group of PhD organic chemists.

It is regrettable that you should have to hear a second negative answer to your request to have Prof. Wiener as a speaker; I am sorry that it can't be otherwise. He has a very heavy fall schedule and he declines all new invitations.

To your suggestion to name another qualified speaker, Prof. Wiener thought of Prof. Y.W. Lee, Professor of Electrical Engineering at M.I.T. I hope it will be possible for you to secure the right person for the spot you have in mind.

Sincerely yours,

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

February 27, 1961

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

Dear Jason:

On the 5th of April I shall be in New York on behalf of the 1961 Applied Mathematics Symposium where I shall be discussion leader of the Wednesday morning session.

As Prof. Azimov is going to accompany me and if you should be in town at that time, it would provide us with an excellent chance to talk about our book "Under the Stone". I should appreciate it very much if you would let me know if such a talk would be convenient for you.

By the way, the Yale Terry lectures series office has asked me to deliver three lectures next fall in the general field of science and religion. I am accepting and have chosen as my topic Prolegomena to Theology. In other words, instead of giving any dogmatic views, I point out those regions of the recent work on communication theory and cybernetics which are relevant to religious issues. In particular, I emphasize the new light thrown on questions such as the "self", individuality, creation and the concept of image.

As you will see, this book will constitute in essence a sequel to my "Human Use of Human Beings". While I am only giving 3 lectures orally, I understand that it will be possible to make these part of a full-size book. This will influence very appreciably my relation to you people as it is scarcely possible for me to do another full-size book which can be considered as a sequel to the "Human Use of Human Beings" within the next decade.

The Yale people are paying me rather handsomely for the lectures. \$1,000 when they are given and another \$1,000 when they are printed. Where they are going to print the book, I don't know, for the matter rests with them, but in case they have not yet decided, and if you are interested, you might get your claim in. In general, the books of



Mr. Jason Epstein -- 2

these series have been for a rather limited public and the pay has been greater than the value of the book in the open market. In this particular case, there are other considerations which come in and which I shall want to have clarified, such as the possibility of a paper back to continue or supersede my paperback "The Human Use ...". Then there is the matter of foreign translations which, in this case, is a by no means negligible consideration. Whether there is a legitimate possibility of your taking part in these matters as a publisher or not, I do not know, but I shall greatly value your advice as a friend in any case. I am completely committed and gladly so to the decision of the Yale people, but I think I should raise with them the special issues that are bound to occur in this case so that we do not let these matters go by default.

With best wishes from both of us to all of you,

Sincerely yours,

Norbert Wiener

NW/emr

27 February 1961

Prof. Dennis Gabor  
Department of Electrical Engineering  
Imperial College of Science and  
Technology  
University of London  
London, S.W.7  
England

Dear Gabor:

I have had a delightful trip in Europe visiting Russia, Scandinavia, Chekoslovakia, Hungary, Germany and Italy. My longest stay was with Prof. Caianiello in Naples, and I had a marvelous time with him and Braitenberg. They want me back and I shall probably go there in a year for further work. I am sorry I didn't have a chance to go to England and see how your work is going. I heard wonderful rumors about the progress you have made from Caianiello. In view of this and of your inaugural address, I have a favor to ask of you.

We need to improve and duplicate our autocorrelation apparatus for work in brain waves and similar phenomena. I am much struck with what you have to say about the new multiplier which Mr. Wilby and you have devised, and it strikes me that it is just the thing we shall try to use in our autocorrelator.

Would it be asking too much of you to give me full specifications of this apparatus covering its construction, its accuracy, its stability, its range and its price? Is it yet in commercial manufacture, or at any rate in large-scale laboratory manufacture? How can we get hold of it? This is important for us here and I think it will be equally important for Caianiello.

With best regards from both of us, I remain

Sincerely yours,

Norbert Wiener

NW/emr

27 February 1961

Dr. Herbert M. H. Jasper  
Executive Secretary  
International Brain Research Organization  
Montreal Neurological Institute  
McGill University  
Montreal, Que.

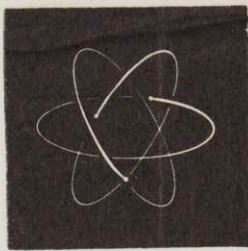
Dear Sir:

Through Prof. Rosenblith I have received your telegram of salutations sent to me by IBRO of UNESCO. I am highly honored and pleased, indeed, to be elected to honorary membership of this important organization by the Central Committee. Of course, I accept and shall be at your disposal for further work in the field.

Sincerely yours,

Norbert Wiener

NW/emr



Organizing Committee for the

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Prof. Norbert Wiener  
c/o Massachusetts Institute  
of Technology (MIT)  
CAMBRIDGE, Mass.

under the auspices of the «Society of Swiss Friends of the U.S.A. (SFUSA)» Zurich and in co-operation with the «Institute for Automation and Operations Research» at the University of Fribourg (Switzerland)  Mailing address: c/o The American Express Co. Inc., Bahnhofstr. 20, Zurich 1, Tel. (051) 23 57 20.

February 28, 1961 TPU/aw

Dear Prof. Wiener:

We would like to refer to the 1959 visit of our study group to your institute which was a full success and one of the highlights of the tour.

Again this year, we are about to organize a Swiss Study Tour for Automation and Operations Research to the U.S.A. We therefore kindly ask you for the favor to receive our group again this year to enrich the program of this tour. We would esteem it a valuable contribution of our program if an opportunity of visiting your institute could be given for our group, which may be expected to number about 15 persons, top level representatives of the Swiss industry and trade, whose names will be given to you as soon as the bookings will be completed.

The American Express Zurich has again been entrusted with the travel technical arrangements.

We are looking forward to hearing from you with much interest and thank you in advance for your very kind cooperation.

Yours very truly,

*E. P. Billeter*  
Prof. E.P. Billeter, Director  
Institute of Automation  
University of Fribourg (Switzerland)

cc: American Express Co.  
20 Bahnhofstrasse  
Zurich, Switzerland

P.S. The planned visit of your institute would be in the afternoon of May 11, 1961.

[ans. 3-8-61]