Institut für wissenschaftliche Grundlagen der Elektrotechnik • Fundamental Electrics Association • Verein nach Art. 60 ff ZGB

> Professor Norbert Wiener

> > Professor of Mathematics Californian Institute of Technology Pasadena California

Hochgeenter Herr Professor, In einem vornehmen Lusammenhauge war Thre hime in siner Schweitzerischer Fratung the lesen ('Westwoche') and so see erlands Threes to sager, dass years and Fernstehende aufgeatmet haben endekt einmal zu sehen, dass ein hervorragender Fachmann aufsteht und sich weigert Michtfahlewen und Vichthetvorragenden Machtuitel in die Hande zu geben whe welche dann diese zu verfügen haten. Moge Thre Kalting en vielbefolgtes Beispill werden; die Wisselden hithen dann sellet die ihner Fickommender Entschentungen die lacht. Wie Forschungsarbesten in Europa ausselen, mogen hie aus den Worten Herr Ingenius Dy, Kleins, are meine hescheidene Abertuet Offer, entrehmen. Ich enthicke Thren, hochgeshoter Flerr Professor, die besten Leicher grosser ausgeheichneter Kochschie Trung

> Figurer Michael Denes Firid, Todistr. 36, Snit Whand



INSTITUTE OF INTERNATIONAL EDUCATION

INCORPORATED

2 WEST 45TH STREET, NEW YORK 19, N. Y. · MURRAY HILL 7-0630 · CABLE ADDRESS "INTERED"

[ca 1947]

Dear Professor Wiener,

Professor Frederik L. Polak, from the Metherlands, is in this country on a UNESCO Reconstruction Fellowship, in the field of Social and Cultural Research. At present he is teaching economics and sociology at the Netherlands Economic University at Rotterdam. Mr. Polak also acts as deputy director of the Netherlands Government Central Planning Bureau. In this capacity, he is an economic adviser to his government, concerning fundamental matters of economics, finances, and social policy. In addition to the positions mentioned above, Mr. Polak is a special adviser to the Minister of Education, who requested him to report when he returns to Holland, on the American system of university instruction and on the methods of promoting basic and applied science.

Currently Professor Polak is visiting various cities in the United States for purposes of consultation and observation. His particular interests are in the integration of the social sciences, teamwork in the application of the social sciences, and coordination between social and cultural sciences.

As the administrators of his fellowship, the Institute of International Education is assisting Professor Polak in his plans. He would like to see you on before Easter . We hope that you will be able to help acquaint him with your organization and the important work in your community in his field of interest.

UNESCO and the I.I.E. and, of course, Professor Polak will appreciate your efforts.

Sincerely yours,

Dele Manelian, Head Division of Specialized Personnel

Frederik L. Polak's present address: ofo mrs Hartshorn, 11 Fresh Pond have,

Cambridge 30, tel. KI 7-5226.

I would be very glad indeed to have an opportunity of meeting you and hope it can be arranged to your convenience.

Very miceuly yours

Dept. of Physics Univ. of Pennsylvania Philadel phia 4 Pa. [ca Jan, 1947]

Dear Professon Wiening

I have sweet times read your letting published in the Atlantic Monthly. It is an excellent idea to lave brought up this problem at this time in this way, and it was the thing most upunty meded. Thank you deeply for it.

But also in an other way / own you hearfelt theres. That I got an afformand as assistant proposed him at U. of Pa. and that I got the chance to do some work at the Institute for Advanced Study (High there once a week to get advice on misand problems).

I owe to your and to Rof. Kemble's letters of reference. With bush printings to you, to Ans. Dimer and to Miss Dimer Continey yours Hur John. Assumption the by Maple there were a new to

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WICKERSHAM 2-2000

January 2, 1947

Dr. Norbert Wiener 53 Cedar Road Belmont, Mass.

Dear Norbert:

I've been thinking quite a lot about your book which, as you know, impressed me deeply. You may be interested in a summary of my reactions.

Your chapter about the Macy Foundation meeting is authentic, well written, and knows where it's heading. But even more important, it shows literary showmanship and a sense of the dramatic in the way it builds up slowly from a series of restrained scenes to an exceedingly powerful climax.

Only two minor points worry me. Somewhere during our conversation, an April deadline was mentioned. Personally, I hope the deadline is met, because I look forward to reading the complete rough manuscript before it goes to the publisher. But my own interest is irrelevent here; I think it is a mistake to think of anything as original as this in terms of deadlines. It may be finished in February or June. That will depend on your time and inspiration. I don't think such things should be forced, but hope you'll get it done soon and naturally.

The second point is simply that as much of the manuscript should be written by as few persons as possible, ideally one. Simply for the sake of efficiency, one or two of the gang may have to stick their necks out, finish a first draft, and then open the meeting to debate.

Also, book in April or later, I am happy that we had a chance to speak with one another and appreciate the confidence you had in men. My address in New York is 30 West 73rd Street; my telephone is WIckersham-2-2000, ext. 769. If you think I could help in any way in the book or in any other matter, please call on me. I hope we'll see each other again soon.

My best to Walter next time you write him.

Yours sincerely,

John E. Pfeiffer Science Director

JEP: bcs

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NEW YORK BUREAU: 1475 BROADWAY, (TIMES BUILDING) • NEW YORK 18, N. Y. BRYANT 9-1381 CABLE ADDRESS: "PARLIBERE"

Jan. 2, '47

Dear Professor Wiener,

If anything new develops along the line of thought which you expressed in your letter published by the Atlantic Monthly, and over the phone, I should very much appreciate your letting me know about it.

Than Thank you for the interview. I trust I didn't keep you too long from either mathematics or sleep.

Sincerely yours, Land oth Laird Ogle Ruth milethan Shorty Lane Concord



90 BROAD STREET
NEW YORK 4, N. Y.
WHITEHALL 4 - 8588

January 2, 1947

Professor Norbert Wiener Massachusetts Institute of Technology Cambridge, Mass.

Dear Professor Wiener:

Supplementing the enclosed, I wish to advise that Mrs. Vesugar will arrive in Boston on Friday, January 11th and Will remain until Monday, January 13th.

It will be greatly appreciated if you will arrange an appointment for her sometime on Saturday, January 11th.

We have written to Mr. Minu Dastur, a Tata scholar, and have requested him to assist in arranging a definite program with the officials of the Institute for Mrs. Vesugar on that day.

Thanking you for your cooperation, we are

' Very truly yours,

TATA INCORPORATED

M. E. Cannon



8 ARLINGTON STREET BOSTON 16, MASS.

The Atlantic Monthly January 3, 1947

Dear Dr. Wiener:

We are enclosing a number of reprints of your letter, "A Scientist Rebels," which appeared in the January 1947 issue of the Atlantic Monthly.

Sincerely yours,

Vagenia alle Secretary to Mr. Weeks

Dr. Norbert Wiener Massachusetts Institute of Technology Cambridge 38, Massachusetts

PRINCETON UNIVERSITY
INTERNATIONAL FINANCE SECTION

(Department of Economics and Social Institutions)

Princeton New Jersey
January 3, 1947

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

Dear Professor Wiener:

I wonder whether I might trouble you with a request for a copy of your monograph on The Analysis of Time Series. I should very much like to own this important work of yours, and at present have only a copy on loan from one of my friends here. You will do me a great favor by sending me one.

Believe me,

Very sincerely yours,

J. Morgentlem.

Oskar Morgenstern

OM/lnb

January 4, 1947

Mr. M. E. Cannon Tata, Incorporated 90 Broad Street New York 4, N.Y.

Dear Mr. Cannon:

I have already written to Mrs. Vesugar making arrangements for an appointment at 10 o'clock on Saturday, the 11th.

I should be glad to be of any use to her that I can possibly be.

Sincerely yours,

Norbert Wiener

NW/am

January 4, 1947

Professor D. D. Kosambi Tata Institute of Fundamental Research 53 Pedder Road Bombay 26, India

Dear Professor Kosambi:

I am very glad to received from you the letter of introduction of Mrs. P.J. Vesugar. I shall do anything I can to help her.

I am also glad to hear from you again. I have heard of your work in India many times and have been wondering how you have been getting on. Tell me more about your family to. Your sister was a great friend of my sister and of my wife, who was Margaret Engeman when she was at Radcliffe. We also saw a great deal of your brotherin-law, Ram Prasad. After these many years, it would be very nice to renew the ties of friendship between our families.

I am branching out into work on the application of Mathematics to Physiology, doing a large part of it in Mexico together with Dr. Arturo Rosenbleuth, the physiologist. My own Mathematical work has been taking on somewhat of an applied character from my war work. As to my family, my wife and I are well as are my mother and sisters, who are both married. My father died about five years ago. I have two daughters, aged respectively 18 and 19, both in university work in Chemistry.

I see a great deal of the Indian students at Tech and although I have never had the opportunity to visit your country. I have always been interested in following happenings there. Ten years ago I spent a year in China, teaching at the National Tsing Hua University in Peking. It was one of the most delightful experiences in my life, and different as China and India are I felt that I began to get some understanding of the Orient through my stay there.

Sincerely yours,

Norbert Wiener

January 4, 1947

Mrs. Piroja J. Vesugar Director, J.N. Tata Endowment Tata, Incorporated 90 Broad Street New York 4, N.Y.

Dear Mrs. Vesugar:

I hear that you will be in Cambridge on Saturday the 11th. My time is completely at your disposal until 11 o'clock Saturday morning and all Saturday afternoon. I suppose 10 o'clock would be as convenient as any time. Please let me know if other arrangements would be better.

I am delighted to hear from my old friend Kosambi. We knew the Kosambi family very well during their stay in Boston. I am wondering what has happened to Mrs. Kosambi's sister, Mrs. Ram Prasad.

Sincerely yours,

Norbert Wiener

NW/am

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CHEMISTRY
CAMBRIDGE 39, MASSACHUSETTS

Elear Dr. Wriner:

I am very much impressed with the

letter you write about he availability of your

scientific work for the armament race, as reprinted
to the atlantic Monthly. I would appreciate it if

you could send me three copies for myself and two

close friends interested in positive action for would

Thank you very much Charles D. Congell Ren 6-427 M. I.T. 606 ELM AVENUE SWARTHMORE PENNSYLVANIA

January 5, 1947.

Dear Wiener,

Congratualtions upon the letter which appeared in the January Atlantic. Thank you very much for having written it and for giving it wider publicity. I wish it could be reprinted in a periodical with a more general circulation among the simpl simple people than the Atlantic has. - The danger in maintaining full publicity for scientific work which you point out, is a real one. I can not help feeling however that it exisits not merely because of military uses with their almost unavoidably destructive consequences, but also on account of industrial uses which turn them to the material benefit of the few instead of dedicating them to the welfare of mankind. The only remedy that I can sed is a fundamental change in our economic structure, which will have human welfare as its controlling purpose. Because a thoughtful reading of your letter should lead to a fresh realization of this necessity, a widespread distribution would seem to me desirable.

Sorry not to have seen you at the Swarthmore meeting last week. Best wishes for the New Year to you and to your family.

Professor Norbert Wiener,
Massachusetts Institute of Technology.

AD/sol

Jan 5, 1946

C/o Ch. H. Shenk R.D.3 Lancaster, Pa.

Professor Norbert Wiener

Department of Mathematics

M. I. T.

Cambridge, Mass.

Dear Prof. Wiener:

I want to express my appreciation and admiration for your article " a Scientist Rebels" in this month's Atlantic Magazine.

It seems unbelievable that the American public, and particularly so many American trientists and engineers fail to realize the danger of continued armaments and research for mass destruction.

These activities, which originated in Germany, and which were so litterly denounced during the rise of Hitler, have now become an accepted "necessity" in our industries and research institutions. Even German rientists are being imported to add to our "know-how".

For myself, I have been confronted with the same problem. Before entering the army in Dec. 1949 I worked for 4 years on gas turbines development. Of 21 months service I spent 5 months in germany and

austria and although I saw no combat, I saw the results of modern warfare, especially of aerial brombardement. And after reading John Hersey's report on Hiroshima, I decided not to do any war work myself, i.e. development of weapons, or devices designed for use on machines of war. I stated this in my letters of application for work, and had great difficulty finding an engineering position.

So far, I have net only two engineers who openly refuse to do war work. I hope that your article will enlighten many others. I believe it would be desirable to create an international conscientions professional society for both: the education of the public as to the danger of continued armament, and for mutual advise and assistance among the members.

Respectfully yours, Leo Pach, '40

15-21

Dr. Arturo Rosenbluth Instituto Nacional de Cardiologia Calzada de la Piedad Num. 300 Mexico D.F., Mexico

Dear Rosenbluth:

Thanks for your last letter. You seem to be pretty well recovered and at work and I am very glad. I have been busy particularly with Haldane here. It was a pleasure to see him and he is full of interesting material along physiological lines but not directly along ours. I have tried to get him to come down to Mexico some time.

I have not answered your telegraphed answer by telegram as I understand the boys have already let you know from Austin. Oliver Selfridge is coming back. Walter had his car break down completely. He is selling the hulk and arranging for shipment of the Harmonic Analyzer by air freight.

I want to talk to you about Walter. I think this extra trip of his to Chicago and the trip down by car are inexcusable and irresponsible. He is definitely causing a lot of disturbance here and elsewhere by not publishing. If he does not rectify that impression very soon he will be sunk and there will not be anything I can do for him. I am therefore suggesting to you the following things:

- 1. He must get is paper on the statistical mechanics of the nervous network out ready for publication within six weeks. Have him send it up to me and I shall arrange for publication. He must do a good job.
- 2. He has no time to bother about my work on Time Series. Have him send the manuscript to me immediately. Doob wants to look it over and get it in shape.
- 3. Any work that he does with you whether on flutter and fibrillation or on clonus should give him some publishable material quite soon. He should devote his whole time to this as soon as, but not before, he has cleared decks on his statistical mechanics stuff.
- 4. Under no circumstances should he take any trips up to the States unless and until you do and he should have his return passage to Mexico at the same time that you have yours. There

should be no more monkey business about a long auto trip. He has shown two things -- that he doesn't know how to buy a car and doesn't know how to take care of one.

5. No personal friends should come down to see him unless and until he has accomplished at least two papers in full state for publication before they do. If they do come down it should be for a short time and both they and he should be kept hard at work. Finally everything should be done to discourage, or even prevent, him from any mountain climbing certainly until he has completed his budget of work and even after that unless he is going with older people who understand what they are getting in to and know the mountain that they are climbing. He also should be held to getting his Spanish.

Excuse me for interfering in your affairs but Walter has made his position both here and elsewhere in the States precarious by his lack of responsibility. He must learn it or take the inevitable consequences. If he wishes to eat he must have our backing and if he wants our backing he must behave himself. I take a great deal of blame on myself by not putting the squeeze on him but it was difficult to do when he was here for such a short time and with all his friends here. I think a little loneliness in Mexico would be very, very good for him.

We enjoyed you here enormously. Margaret sends her love to Virginia.

Sincerely,

Norber Wiener

W/h

ADDRESS REPLY TO CHIEF OF NAVAL RESEARCH

ONR: 273; JHH: ehm WASHINGTON 25, D. C. AND REFER TO:

NAVY DEPARTMENT OFFICE OF NAVAL RESEARCH WASHINGTON 25, D. C.



Serial: 9410

6- JAN 1947

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

Dear Professor Wiener:

In the NDRC Division 7 report to the services, No. 59, mention is made of an NDRC report entitled, "The Interpolation of Linear Time Series and Communications Engineering". The Office of Naval Research is desirous of obtaining copies of this and any other related reports. Could you supply us with the necessary bibliographical information for any of your personal reports on the general subject of differential equations involving a function z(t) where z(t) is a random process.

Professor Copeland of the University of Michigan is undertaking a study of such differential equations under a contract with the Office of Naval Research and is attempting to collect all available material on the subject.

Very truly yours,

P. K. Wells

By Direction, Chief of Naval Paranch

BROWN UNIVERSITY

PROVIDENCE 12, RHODE ISLAND

January 7, 1947

Professor Norbert Wiener Dept. of Mathematics Mass. Inst. of Technology Cambridge, Mass.

Dear Professor Wiener:

For August 2-4, 1947 Brown University's Graduate Division of Applied Mathematics is planning a symposium on non-linear problems in mechanics of continua. In spite of the difference in physical background, there exists a general similarity between the mathematical methods used in connection with non-linear problems of mechanics of fluids and solids. It is therefore felt particularly worthwhile to attempt bringing together applied mathematicians and engineers who are interested in dynamics of compressible fluids and non-linear elasticity, turbulence and plasticity, boundary layer theory and non-linear buckling problems.

We are inviting you to participate in this symposium and to present a paper. If you accept our invitation, you would aid us greatly in arranging a well-balanced program by giving us a tentative title of your paper or, at least indicating its field and the amount of time which should be allowed for its presentation. If you should not be able to participate in the symposium or present a paper yourself, you might wish to suggest that we invite some associate of yours instead. Please do not hesitate to make such or any other suggestions which will contribute to the success of the symposium.

While I cannot yet make a definite statement at this time, we expect to offer some honorarium to the main speakers.

You may be interested to know that Professor Sidney Goldstein of the University of Manchester, England, will be at Brown University during the summer and will participate in the symposium.

Hoping to hear from you soon, I am

Yours sincerely,

W. Prager, Chairman Graduate Division of Applied Mathematics

W. Fign

WP:rg

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January 8, 1947

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Professor Norbert Wiener Harvard University Cambridge. Mass.

My dear Dr. Wiener:

I have been immensely cheered, as well as deeply moved, by the reading of your letter printed in the January issue of The Atlantic magazine. Incidentally, I am a little surprized and a good deal cheered by the fact that The Atlantic would publish so unequivocal a statement of the responsibility of the scientist to divest himself personally from direct participation in the invention and manufacture of weapons of indicriminate, mass destruction.

This question of the personal responsibility of leading scientists has concerned me for a long time. I am enclosing herewith copy of an Open Letter to Dr. Einstein, in which I have tried to raise the issue.

From time to time I am told by scientists, either in conversation or in letters, that quite a number of them have withdrawn from the Manhattan Project, in part at least because of conscientious scruples. However, you are the first nationally known scientist to proclaim his stand openly before the world and to call upon other scientists to face the issue for themselves.

The Editor of our monthly organ, Fellowship, has written to The Atlantic asking for permission to reprint your brief article. Probably we would include it in the March issue of the magazine, and then make reprints available.

I have occasionally discussed with scientists, including Dr. Herbert Jehle, of whom I think you know, the question as to how this whole matter might be most effectively placed before individual scientists and such organizations as the American Federation of Scientists. Have you given any thought to this matter? I should be extremely grateful for any suggestions that you might have, and would be glad to have the opportunity to come to Cambridge to talk things over with you, if you had time and were so disposed.

Thanking you again, very heartily, for your letter. I am

Sincerely yours.

a. 7. muste A. J. Muste

P.S.) trust you would have no objection to our using your AJM:MC Cetter if the attempte oeiu months does not.

YALE UNIVERSITY

DEPARTMENT OF MATHEMATICS
NEW HAVEN · CONNECTICUT

January 8, 1946

Professor Norbert Wiener Massachusetts Institute of Technology Cambridge, Massachusetts

Dear Professor Wiener:

We the undersigned have read your letter in the Atlantic Monthly and wish to express our hearty approval.

Sincerely,

Paul T. Bateman

(. Endis, hope to see you on the weekend)

W. ambrone - augustulations. Diana Martyania. WINSTON DANCIS AND HARRISON DESILVER, TREASURERS

WAR RESISTERS LEAGUE

ABRAHAM KAUFMAN EXECUTIVE SECRETARY FRANK OLMSTEAD FIELD WORK DIRECTOR FRANCES ROSE RANSOM MEMBERSHIP SECRETARY FIVE BEEKMAN STREET NEW YORK 7, N. Y. BEEKMAN 3-0463

AFFILIATED WITH WAR RESISTERS' INTERNATIONAL 11 ABBEY ROAD, ENFIELD, MIDDLESEX, ENGLAND LAURENCE HOUSMAN, CHAIRMAN H. RUNHAM BROWN, HON. SECRETARY

January 8, 1947.

Professor Norbert Weiner, c/o Massachusetts Institute of Technology, Cambridge, Mass.

Dear Professor Weiner:

Men and women the world over will be grateful to you for the courage and forthrightness with which you have written your letter to THE ATLANTIC MONTHLY which appeared today in the NEW YORK TIMES.

Much has been said by men of science about the menace of modern warfare but few have broken as directly with the war system as We invite you to read some of the literature describing the work of war resisters and would be honored by your enrolling with us, should you decide to do so. With this note we include copy of a letter sent to a number of scientists by Mr. Frank Olmstead, our Field Work Director. Seperately we mail a booklet telling of our members in other countries.

Whether you formally enroll with us at this time or not, much as we do hope you will, please accept our thanks together with those of your many unknown friends.

Sincerely, Alvalian Kaufman Abraham Kaufman

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265

Dr. Warren McCulloch Illinois Neuropsychiatric Institute South Street Chicago, Illinois

Dear Warren:

First I want to thank you for your hospitality to Barbara and for your suggestion that she might work with you. Before coming to a definite decision about it I should like to tell you a few things and ask you a few things.

As you know Walter was held here longer than he normally would have been by Rosenbluth's illness. This time he might have used profitably in developing his ideas instrinsically and he most certainly has not used it in writing out the material which we have expected of him in connection with his Guggenheim fellowship. Like his trip to California which, in my opinion, was an absolute violence of the conditions of his fellowship, his auto adventure to Mexico was an unjustified waste of a time that is already scant. I have written to Rosenbluth requesting that he put the squeeze on Walter in the following manner:

- 1. That he insist that Walter finish his statistical mechanical paper on nervous nets before doing anything else.
- 2. That he get at least one other paper out of him as promptly as possible.
- 3. That he insist that Walter not engage in purely literary work.
- 4. No mountain climbing unless and until Walter has completed a good measure of published work and then only with an older man with local experience. Also I have asked Walter to send me back at once my paper on Times Series as I do not consider that I should tie him up at such a critical period in his career as now. Furthermore, I asked that he avoid coming back to the States or having any frieds visit him until his Gaggenheim record is solid beyond all question.

Walter's being here at loose ends has had an unfortunate effect in disquieting his younger colleagues and to a considerable extent my daughter. In all cases, Walter's own

included, it is necessary that they subject themselves to a much more severe personal disipline than they have had in the last few months. I feel this very strongly with my daughter. On the other hand I feel that she is entitled to a certain degree of freedom in her own development provided it is compatible with a certain amount of order and maturity which she has not yet reached.

I wish to ask you the following things. Is the job which she would get if she should come to work for you next term what I expect it to be--a manufactured job, or would she really be contributing anything to you.

Will it contribute to her scientific education or merely give her the feel that she is doing something that she is not actually doing?

What plans will you suggest for her living? If she lives with you people I shall insist on her making a definite payment out of her salary for her room and board.

How easy would it be for her to return to academic work? What is the length of time you want her to work for you? I shall look into the matter at this end, of course, and while it is quite possible that I may let her come, please do not take it as a foregone conclusion.

I have not participated in the recent meeting on the computing machine in Cambridge. It is under Navy auspices and that is enough to damn a job for me even though the job is less evil than poisons. You will see my reasons in a little paper in the last Atlantic Monthly. I am also giving up all work on the computing machine because it is too closely associated with the guided missiles project. I would not want Barbara to be employed in any job having even the most distant relationship with biological warfare.

I thank you very much for your offer of hospitality towards my child and shall be glad to see you again as soon as our paths meet. By the by we have had Haldane here recently and he has been tremendously good fun.

Sincerely,

Norbert Wiener

1919 Loney St. Phila# Ba: Trof horbert Hiener 90 massachusetta Inst Technology.

Dear Prof Wiener -Sermet me to congratulate you for your noble stand in refusing Ito laddress the Harvard symposium, as I read in the n. Ey. Times of today. many untold millions of poor church by your wonderful principle and iddale, not to take part in the development of Instruments of mass and invane distruction of human lives. I trust that more of your colleagues will see the wiedow of your ideals, and have the courage land homesty to do as you have done laying your spart in applying your scientitie knowledge for a peaceful most fineerely yours Throdore J. Whoig

Long Branch, M.J. January 9, 1949 Dear Professor Wiener, your refusal to aid in the development of guided missiles. As an American, a father, and simply as a member of the human race, I wish to thank you for your courageous stand I have no doubt you will be deluged with above and vilification by "patriots and jingoes. Millions of your fellowmen will thank you for initiating a movement, which I am sure will find many followers. If ever the rule of reason, rather than hysteria and prejudice, is to prevail, now is as good a time as any, and better than most, to do something about it. Sincirely, Sidney Shatken

364 Ocean Avenue,

HUGHAN 27 PIERREPONT STREET BROOKLYN 2, NEW YORK

Jan. 9, 1957

Prof. Herbert Wiener

Mass. Inst. of Technology

Dear Professor Wiener:

Permit me, as an American who hates war, to express my gratitude for your courageous refusal to allow your mathematical genius to contribute to the destruction of civilians.

Other scientists have warned in no unzerxtain
uncertain terms of the menace to the world in the new weak
weapons of offense. You are the first, so far as I know,
to act upon this knowledge and to decline to play a part
in the destruction of mankind.

Let us hope that others will be stimulated to follow your example. Your group holds the fate of the world in its hands.

Respectfully yours,

Jessie Wallace Hughan

MARGARET FLORINE
287 · 41ST STREET
OAKLAND, CALIFORNIA

Jaw. 9 - 1947

Dear Dr. Wiener: I wish to extend my heartiest conquatulations to you for your courage in refusing to further death - dealing inventions which are turned over to the military to the future destruction of all of us. have never seen the reason of the horrible bombings without first demonstrating their power where there were no women and children and do not in the least flame, the world for not trusting was. They have little reason for faith. Sincerely Yours, margaret Florine, R. K. MIAMI BEACH CABANA CLUB FLORIDA

Den Proj. Wiene:

I cannot tell you fow much I admire the position you have taken re secence us war, to simple. by the issue.

Jan 9

It takes causage and integrity
of a high order to act as you did.
Were your example followed by the
majority of workers in the scientific field this world might be
a different planet indeed.
Unfortunately most scientists



Private Beach • Swimming Pool • Cabana Club • Tennis Courts • Golf Restaurant • Solarium • Garden Patio • Near Shopping Center • Theaters when they are not helots are chauvenists and worships at the alter of nationalism with the same abysmal abjectness as to the most ignorant pleasants.

I could not wait to return to my home to write this.

Samuel 2. Lessere

28 Beekman Place M.y.C. Prof.Norbert Wiener
Department of Mathematics
Massachusetts Inst. of Technology
Cambridge, 39-Mass

Estimado Prof. Wiener:

A través de las noticias periodisticas de la fecha ha sido conocida la valiente posición que Ud. ha mantenido en su carta "Un Científico se Rebela".-

En estas horas que la Humanidad encara problemas que socavan el basamento de su propia vida, los cientificos deben marcar la ruta. Por razón directa de sus convicciones, Ud. ha tornado a ser meritorio abanderado. Su carta, voz clara y valiente, se eleva con potencia de huracán para despertar a los sonolientos. Ud. marca la ruta y tras suyo han de seguir los que necesitan del ejemplo digno para robustecer el espíritu y arraigar sus ideales.

REVISTA AMERICANA DE EDUCACION, mancomunada en un todo a sus conceptos, se complace en hacerle llegar por mí intermedio las más cordiales congratulaciones por su valentía, que marca un rumbo.-

ración

Saludo al Señor Profesor con la mayor conside-

Juan José Re Representante

Juan J.Re
45 River Drive
Y.M.C.A.-Room 424
Passaic, N.J.

Prof. Norbert Wiener Department of Mathematics Massachusetts Inst. of Technology Cambridge, Mass.

Berkeley, Calif. Jan. 9, 1946

Dear Professor Wiener:

This morning the columnist Cecil Brown mentioned your courageous stand against the policy of turning over scientific development to the military. I should like to add my voice to those of others who agree with your well and boldly stated objections. Thank you, sir.

Very truly yours,

John W. Weigl (Grad. student, Chemistry Univ. of California) Department of Economics Michigan State College East Lansing, Michigan Jan. 10, 1947

Dr. Norbert Wiener
Massachusetts Institute of
Technology
Boston, Massachusetts

Dear Dr. Wiener:

I was pleased to read in a recent issue of the "New York Times" that you "do not intend to publish any future work...which may do damage in the hands of irresponsible militarists." I certainly agree with your statement that the bombings of Hiroshima and Nagasaki have made it clear "that to provide scientific information is not a necessarily innocent act, and may entail the gravest consequences."

Also, did not the judgments at Nuremberg bolster the position which you have taken? As I recall, in those trials, the court held that men must take moral responsibility for the acts which they do, and that even soldiers are not relieved of that responsibility when they carry out orders from superior officers.

I surely hope that other scientists will take the same attitude which you have taken, and refuse to invent new engines of mass destruction.

n D Waight

W. R. Knight

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1 ded

January 10, 1947

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

Dear Professor Wiener:

We are very much interested in the report that you refused to disclose your findings on "the Problem of Gestalt" during a Navy symposium, because you wanted to keep your knowledge from "irresponsible militarists".

In this connection, we would be greatly obliged to you if you would care to outline your viewpoint for us more precisely in a statement or article on the following questions that can justifiably be raised as a consequence of the position you have taken:

- 1. While the stipulation established at the Nuremberg trials that an officer, soldier, Gestapo man, etc. who merely obeyed his superior is personally responsible rather justifies your action, nevertheless the question arises whether the scientists of a nation should feel free to assume such an attitude? Would this not imply that instead of the elected representatives of a country the scientists would determine, in the ultimate analysis what the defense and the war potentials of a country are?
- 2. Is not scientific progress bound to be impaired if many scientists were to adopt such a position? As there has never been an invention which cannot be utilized for both constructive and destructive uses all scientific efforts would in the long run be affected.
- 3. Have scientists the right to adopt such an attitude when the laboratories and all other facilities placed at their disposal are not their personal property? Their studies are made possible by universities, institutions and laboratories which are in most cases maintained with public funds.
- 4. While such an attitude can be adopted by scientists in democratic countries, it is extremely unlikely that it would be tolerated in totalitarian states. Would this not give a tremendous advantage to totalitarian systems?

5. Would not democracies have to create new laws making the withholding of scientific information an offense, in order to protect their defense possibilities. I can visualize that certain scientists may prefer to face imprisonment rather than divulge their knowledge, since nobody can compel a man to divulge what is closed in his mind.

What I am actually driving at is that an action of this kind if practiced by some scientists may only weaken one particular country and that such action, in order to be effective, should perhaps be taken by all scientists throughout the world. On the other hand, if such a strike of scientists were to take place it might deal a paralyzing blow to scientific research. Since not all scientists are bound to join in such a strike wouldn't your ranks then be split into many political factions greatly affecting their scientific work?

You spoke in your statement of "irresponsible militarists"; after all it does not depend on our Army or Navy whether we should enter a state of war, but on the average on the governments of all nations rests the responsibility as to whether certain instrumentalities of mass destruction should be outlawed. Perhaps the establishment of a world government is the only safe and effective method of preventing wars and should not all our efforts be turned in this direction instead of individual groups in various countries taking separate action, Or is it your opinion that until such a government is established such individual action is indispensable?

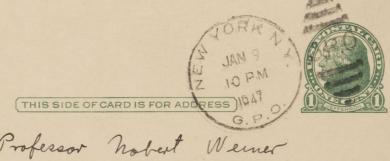
Let me finally say that these questions placed before you do not in any way imply any position on our part, but your action is so novel and is bound to raise so many discussions that we believe you would render a public service by elucidating your viewpoint.

Sincerely yours,

Jacob Landau Managing Director

Dear Sir you are to be lughly commended for Jaw might, mein, & courage in sticking - your - nech - out to break the deadlock over military control of scientists. "Jours is a true service to humanity!

"goes along" with the invesponsible military loop. Investy -John B. Pettengill 84-21 Cuthbert Road Kew Dardens N. V



Professor Nobert Weiner massachusetts Dustitute of Technology Cambudge, mars.

Charly wanty

SILLIMAN COLLEGE · YALE UNIVERSITY NEW HAVEN · CONNECTICUT

OFFICE OF THE MASTER

January 10, 1947

Professor Norbert Wiener Massachusetts Institute of Technology Cambridge, Massachusetts

Dear Wiener:

This is to put into writing the matter upon which I saw you in your office last week and upon which we agreed.

The Viking Fund, a New York foundation which has previously supported work only in anthropology, has asked me to edit a symposium volume on the philosophy of culture, which I interpret as involving an emphasis on the scientific side. Their idea of the volume is that it would be like the one they previously sponsored edited by Professor Ralph Linton the anthropologist which came out with the title THE SCIENCE OF MAN IN THE WORLD CRISIS. It was published by the Columbia University Press. Their idea of the volume is that it should convey the results of one's research in the field, not so much with all the footnotes one might use in conveying it in a professional journal to the colleagues of one's own department, but in the manner one would convey it to the colleagues of other departments and to intelligent laymen. This, however, need not be taken seriously.

Your contribution to the volume I envisage as something which the following title might designate: Communication engineering in its implications with respect to the organization of society by means of ideas. The behavior of the ants in their organization of their society compared with the behavior of men today with respect to this matter suggests one of the points of an article which might have such a title.

The honorarium for the contribution of each person will be two hundred dollars, all royalties from the volume to accrue to the Viking Fund. The volume will probably be published for the Viking Fund by the Yale University Press.

If you have any further questions about the matter, do not hesitate to write me. I look forward with distinct delight to the receipt of your contribution.

Sincerely yours,

mountmake

F. S. C. Northrop

North Rose, New York January 10th, 1947

Dear Professor Wiener:

Allow me to congratulate you on your stand against devices 'for war purposes' as reported yesterday in the NYTimes. University laboratories are close to becoming pawns of our military and State Department. This may be, in part, due to the fact that scientists with few exceptions are reactionary and poorly advised in social and economic matters. Were I a psychiatrist I'd make a detailed study into what makes the typical Phi Beta Kappa tick, why ht so readily fits in with the 'accepted' or reactionary; why he can be so brilliant in one line and so totally igorant in life's many other sides. (There are a few exceptions).

In case you aided in the atomic research during the war, on May 10th, 1940 I addressed a letter to the Federal Power Commission urging social control of 'atomic energy'. I believe I am the first to propose this. The original documents are in the Dartmouth library.

Again congratulating you on your new and courageous stand, I am,

Very truly yours,

L. J. Salter

Professor Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Mass.



Philadelphia 2, Pa.

CABLE ADDRESS "BELLSTRAT"

11/1/44

The Bellemie-Stratford

Dear Wiener

This is just a line to thank you and Mrs. Wienen for your hospitality. We have had a most hertic time since Boston, in Princeton, New York, Retterda, and here. The Princeton meeting went off well on the whole, though Rener wasted a good deal of time in whomy joke. The other speakers were mostly good.

Come essenting work is being done here, but I donot think anything that I have seen musesury mathematical problems. We are going into I thank, Rochester, and Ann Anbor, and so back to New York.

By the way, our trump did not arrive at Princetor till the rest day. It would have been better to takent with us.

After secry the Naval Research Center at Betherda, I can quite magine your calculating markine automatically growing in size and complessify, but amnot so clear that

thingswhich they have not discovered are as remarkable as those they have.

Give my kind regards to Mrs Wiener and both daughters.

Yrs sine.

J. B.S. Huldane

V. My nife also sends her known yards.

ZEITLIN & VER BRUGGE

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So courageous a statement às yours in the Tanuary atlantic Santill who believes that the

should be the weltere of man. your letter should be the toesin that rallies all other right minded scientests to the same position and lam pleased that you hade had the strength to write and publish N. Sincerely

LAHASKA RIDGE OBSERVATORY LAHASKA, BUCKS COUNTY PENNSYLVANIA

1-13-47

Dear Dr. Wiener:

Bravo! Sir.

It is a rare privilege to offer my congratulation, respect and admiration.

Cordially,

Laurence Braymer

50 Seymone aue. Springfield 9, Mass. Jambary 13, 1947 Dear Professor Viener: This is in the nature of "fan mail " to you but is not solely that. Thy family forwarded to me an article from the Boston Transler of Jan. 8th which I have read with great interest. I wanted you to know that I heartily agree with your views. The apparent much toward self-destruction of the people in this country and of the World can only be stopped by scientists such as you, who know and can see the dangerous things we are playing with. I hope your more starts a chain of similar mation by athers in similar situations. We missed you at Sandwich last summer. This year we expect to be up often - marian & Jimmy for all summer. We hope you and your family will be there again atthough we liked the couple who rented your home very much. I left Westinghouse last May and have been working for the consumer cooperatives. My employer is

the Eastern Cooperatives, hu. the eastern regional wholesale jointly ounced by voo consumer retail co-ops in the East. I am the District Supervisor - as of Jan. 1st, District manager - of 30 stores within a 50 mile radius of Hactford, Com. Linging my work tremendously since I am dealing with pupleall the time in promoting something I'm which I really believe. I hope this letter will help to counteract any desappointing one you get from some ignorant crack-pot. Grace my best to mos. Wilner and marian + I will be looking forward to your being are neighbors again this simmer. Sincrely yours, allan I. Mounts P.S. We want you to meet Jimmy our new 2 year old son!

Jau. 14. 47.

MRS. ALFRED V. de FOREST - SKY FARM - MARLBOROUGH, N. H.

Ong dear Profen n trierus: Ikum taat it tras write no idea of benie an mapira. at Harrard some dags ags. Ourget to Refuse to conjurate in militaristic letter princes some the the toutied mets peace fue projects, must always we pice there I us who also are conscientions Objectors. It must, in addition, make your fellow occur tisto, who are noting their hearts if not out mirally in their It's in The age. The special took I facility oran efforts. and I want by wall for your constant and considerine staled. Jam sorry rent to have known gen when my Lustand was aline and connected with M. I.T. Long grace July gauss. Beste de Forest

4/13/97

Professor Morbert Wiener Deft. of Mathematics Mass. Austitute of Technology Cambridge, Mass

Dear Professor Wiener:

on your stand on research in relation to the military as reported in the column "L'of Rather Be Right" by Lamuel , Srafton to work on quided missiles during the war and now view with district "the tragic insolence of the military mind".

Merbert S. Ribner 908 Derguson Ave. Newfort News, Va.

MARTIN M. STEKERT

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January 14, 1947

Prof. Norbert Wiener % Massachusetts Institute of Technology Cambridge, Mass.

Dear Doctor Wiener:

This humble American citizen salutes you for your courageous stand with the army and navy.

You have raised the heart beat of millions of your fellow citizens who cannot find their leaders amongst politicians.

If you scientists continue to speak clearly and courageously -- for human rights vs. financial monopoly or militaristic control -- we the people will give you our support.

It would be my pleasure to contribute financially to your organization to carry your splendid work forward.

wMs:alc

MARTIN M. STEKERT

CAMPAIGN FOR WORLD GOVERNMENT

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January 14, 1947

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

Dear Dr. Wiener:

I was very much interested to learn from Samuel Grafton's column in this morning's Chicago Sun that you are censoring your work for fear that the military might make use of it for mass slaughter.

I think it is very encouraging that you are taking the stand publicly that scientists have ultimate responsibility for what is done with their discoveries. This principle is the only one which can save us from destruction.

Have you thought over the vital issue of world federation? I don't happen to have seen any public statement of yours on this subject. Thinking that you may be interested in our opinions and activities, I am sending you some literature and would be glad to hear from you.

With best wishes, I am,

Sincerely yours

Georgia Lloyd

GL: jl

Columbia University in the City of New York

[NEW YORK 27, N. Y.]

SCHOOL OF ARCHITECTURE

14 January 1947

Professor Norbert Wiener
Massachusetts Institute of Technology
Cambridge, Mass.

Dear Professor Wiener:

Professor Talbot F. Hamlin joins me in extending to you our warmest congratulations and heartiest support for your splendid statement made recently with regard to the moral obligations of scientists. We want to add our names to the very many who must have been cheered by reading of the stand you have taken.

Just by the by I am enclosing a little piece I wrote some time ago which bears on the same subject. You may enjoy it.

Very sincerely yours,

Eugene Raskin

Assistant Professor

Once upon a time there lived a man called Brain. He had a high, domed cranium in which he kept that magnificent organ in the very best of condition, exercising it daily and feeding it regularly on the finest of formulae, seasoned to perfection with logarithmic, electronic and astronomic data. He was very proud of it, and gloried in being named for it.

Brain had a son of whom he was dutifully fond, but who was difficult to manage. Perhaps this was because Brain didn't try to manage him, (managing was not his field) but just gave him everything he yelled for. And how the brat did yell! He had a low brow, a thick skull and a sluggish little brain which he hardly ever exercised, and which received no food except delicatessen and sweets, so that the boy had a dull, constipated headache most of the time. He was proud of his teeth and muscles.

"Hey, Pop!" shouted the boy, running into Brain's laboratory one day. "Make me an automobile, willya, Pop, willya?"

Brain was very busy with a number in the tenth magnitude, but he knew he'd get no peace until he'd satisfied the brat, so he sighed, put aside his calculations and made an automobile.

"Yippee!" cried the boy as he jumped into the car and roared away down the road. Five minutes later he limped back, bruised and dirty.

"Why, son!" exclaimed Brain. "What happened?"

"Aaah, shut up," snarled the brat. "That lousy car

was too slow. The kid next door raced me into the ditch. Make

me a real fast one, willya,Pop, willya?" So Brain sighed,

put aside his calculations again, and made the brat a really

fast auto.

"Yippee!" cried the boy as he and his new car disappeared in a cloud of dust. Four minutes later he was back, covered with blood and with a broken arm.

"My poor boy!" said Brain. "Here, lie down while I call the doctor..."

"Aaah, shut up," growled the kid. "I'm sick of your rotten autos, - they bump into everything in sight. Make me an airplane. That's what I want! Make me one, willya, Pop, willya?" So Brain sighed, and made him an airplane.

"Yippee!" shouted the youth. He jumped into the plane, broken arm and all, and in a moment was just a speck in the sky. This time he came back on a xxxxxxxx stretcher, borne by two tearful, but smartly uniformed nurses.

"Oh, my boy, my boy, " moaned Brain. "What..."

"Aah, shut up!" snapped the brat, though he could hardly talk through his bandages. "This is serious. The kid next door shot me down with his plane and dropped bombs on me. Make me a faster plane than his, and some bombs that will really blast hell out of him. Willya, Pop, willya?"

So Brain sighed and put away his calculations for good, or at least until such time as the kid would stop bothering him. He made a plane that would go faster than sound, and a bomb of split atom juice.

"Yippee!" screamed the child, as his nurses boosted him into the plane. "I'll show him!"

Two seconds later there was a blinding flash, followed by a concussion such as was never felt on earth before.

When the smoke cleared away nothing could be seen on the face of the globe, for there was no one to see it.

Flaating in cosmic space, the disembodied Brain muttered to himself.

"Tsk, tsk! Boys certainly play rough. Maybe I shouldn't have given him all those toys...."

A tiny speck of undeveloped brain vapor drifted past. It was the brat.

"Aaah, shut up!" he whispered. "Ya dope, ya!"

Eugene Raskin 8 West 16th Street New York, N.Y.

169 B. 832d Ll. Rockaway Beach, N.Y. January 14, 947

Professor Norbert Wiener Massachusetts Institute of Inchnology Cambridge, Mass.

Dear Professor Wiener:

9 read of your scientific work in

the New York Post of Monday, Jan. 13th.

4 was proud of your attitude and

determination to keep your work for

peaceful and civilian application.

America must not turn into an

armed camp. We need no more

"scientific" warfare.

Respectfully yours, (Mrs.) Bayleh Feder

Mr. Norbert Miener 9" The atlantic Monthly," Boston Mass. Dear Mr. Niener I was glad to see your letter "A faientist Rebels." We Americans bhould get hold of ourselves and quard against drifting into a chronic condition of warfare such as has always been the curse of Europe. the curse of Europe, Here is nothing that would do americans so much good and produce so much basic and definite result as the calling of a national Last day after the old Colonial distom of New Englands a fast day lasted from sunrise to sunset. as I day its reckoned in the army. Business was suspended for the day, and the people mat all day in churches or town halls. There was no dinner, The object was to find solutions for pressing problems. If course in those days, religion and politics were all the same thing as there was no joke about hing an New England in those days I have always been a sout of Cassandra making predictions that people didn't like to hear so making predictions

This being New Years, however perhaps I should be allowed Homoke a few observations, America, with its population a cross-section of all European notionalities should adopt the mottor of Socrates "Know Thesell! Should adold the motto of Sociales ternow chiself!
The present crisis of air ship crashes shows that
our sorms piloty tudined to the punch of dropping
bombs do hot fully realize that passengers dust
corgo make safety first a necessity.
The troublet with our modern customs is that if people are gathered to concentrate on Some important subject, interruptions occur and destroy the concentration, Speakers are called out to the telephon inrelated subjects are introduced lunch is served and the end is that no practical result is reached, population it is necessary to use time and effort before any subject is thoroughly understood by all. Invierely yours 221 High St. Miss Florence Farvin Paroticket, R.J. Jan. 14, 19 4. M.

FYKE FARMER

ATTORNEY AT LAW

510 XIXXIX AMERICAN TRUST BUILDING

NASHVILLE TENNESSEE

Nashville, Tennessee January 14,1947

Professor Norbert Wiener Massachusetts Institute of Technology Boston, Mass.

Dear Dr. Wiener:

I read in the New York Times about your refusal to give further support to the war system. I desire to extend to you my heartiest congratulations.

I have decided to devote my services as a lawyer to the establishment of world government. It seems to me that this is the only substitute for the present anarchic situation.

Perhaps you will be interested in the enclosed memorandum which has been mailed to approximately 600 leading businessmen and citizens of this country.

Sincerely yours,

Type Farmer

Fyke Farmer.

Enclosure

FF:hs

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FOR LIFE'S SAKE LET'S ACT!

* * * *

"Beaten paths are for beaten men"--Eric A. Johnston

* * * *

The ideas of one who believes that if we all pull together we can get world government for world affairs and thus avoid the unnecessary disaster of an atomic, bacteriological and biological war which hangs over us.

* * * *

A Memorandum Call for Action

by Fyke Farmer of Nashville, Tennessee, U.S.A.

December 2, 1946
Fourth Anniversary of the Atomic Bomb

(Please Note: This is a semi-confidential document--the text not released for publication.)

FOR LIFE'S SAKE-LET'S ACT!

* * * *

"Beaten paths are for beaten men." --- Eric A. Johnston

* * * *

This is an appeal to red-blooded Americans. It is going out to men and women who have faith that we, the people, are masters of our fate. "Away timid souls flirting with death when Life is waiting to be embraced".

Herein is a simple statement of the case for World Government of world affairs. The world today is ready for world government. It is ready because civilized life will end unless world government is established.

This document presents the views of one American. It is a plea and a plan for going ahead right away and actually setting up world government.

I am a lawyer in Nashville, Tennessee, I have a wife and four children who depend on me for support. I have no partisan political axe to grind. I am neither a capitalist nor a communist.

I am an American who feels intensely that my country bears a definite responsibility for building a peaceful and sane world. I make no claim to altruism.

I selfishly want my family to have a chance to live in a decent world. That's why I am sending you this.

The Critical Situation We Are In Now

Certain facts ought to be frankly recognized now. During the year past there has been a good deal of talk about international control of atomic energy. It is obvious that international control cannot be achieved through the United Nations Organization.

Why don't we put first things first?

Mr. Baruch, in making the United States proposal to the United Nations Atomic Energy Commission in June, was careful to qualify it. He warned that no matter how far along on the path to world control the governments might get, there could be no satisfactory method until war had been eliminated.

Nothing has been done about the elimination of war.

Mr. Baruch recognized that in his address at Freedom House in New York in October, 1946. He reiterated on this occasion that the only solution was in the elimination of war.

Since we are all in agreement with this proposition, that we must first get rid of war, the immediate and urgent task ahead of us is to devise a method to do that; then control of atomic energy and disarmament will be taken care of.

Let's Not Delude Ourselves

We delude ourselves if we think for a moment that Mr. Byrnes, Mr. Molotov, Mr. Ernest Bevin, General Smuts, etcetera, are seriously working on the problem of abolition of war.

Does anyone suppose that they have purposed to do that or that they are doing the things which will accomplish it? Definitely no. They are accepting war as an evil system which ought to be curbed and restrained; but getting rid of it altogether is far from their aims and plans.

The theory which they are following is that big nations help keep the peace by remaining strong enough militarily in time of peace to win any war. What stupidity!

Any attempt by the diplomats and politicians to change the system which has been built on this theory will meet with the insuperable opposition of the generals and admirals and other special interests who are continually at their heels.

The business of these men is not to get rid of atomic bombs, supersonic bombers, aircraft, carriers, submarines, and other engines of war, but to build and maintain them.

Any change must come from outside the ranks of those who live upon the system.

If You Really Want Taxes Reduced

Will anyone deny that, although the shooting has ceased on the battle-fields, the war of secret scientific research against secret scientific research is continuing unabated in the laboratories and engineering plants?

The crushing tax burden for maintaining enormous armaments, the dictatorship powers which the Army and Navy wield over education in the universities and colleges, the regimentation of business activity to conform to the plans of the military-minded are taking us rapidly down the road to totalitarianism and to bankruptcy.

It is the sheerest nonsense to think that the national budget of this or any other country can be balanced, that taxes can be reduced substantially, that war debts can be liquidated, that world trade can be expanded, or that a stable domestic economy can be established until the problem of military expenditures is met and solved.

Obviously, the solution cannot be reached through old-fashioned diplomacy between national governments.

International conferences of the past between delegates appointed by national governments are not the means for achieving the ends which all people desire. Such conferences have been weighed in the balances and found wanting.

The aspirations and hopes for peace which the people of all nations share must be worked out through a Peoples' World Federal Government. There is no other way to create a central authority to deal effectively with our common problems.

We Can Yet Be Saved

I am convinced that world government can be established and that it can be established in time to save us.

The purpose of this document is to tell how it can be done and also who must help.

My wife and I have brought four other lives into the world. They are now aged 16, 14, 11 and 10, respectively. We both feel a responsibility to do all that we can to give them the kind of life that they are entitled to. As long as there is no protection against war, there will be no contentment for us. We would feel that we were shirkers to take the easy course of leaving the task of removing the danger of war to the next generation.

I don't have that egotism to make me think the peace of the world depends on what I do about it. But, at least, I can start from where I am and do all that I can.

There must be many thousands of us who are willing to face up to this task and millions to support us.

In short, my ire is aroused by the shim-shammery and dilly-dallying of the diplomats and statesmen who are continuing in their old bungling course. And that is why I, like others, am devoting all the time I can afford (and more, too) to advocating world government on the principle of federalism - - world control of world affairs, national control of national affairs.

There's A World Government Coming

I think that the time has come for the world government workers who are trying to restore sanity in the world to map their strategy in the same way that military leaders do. We need a World Government High Command.

There are a number of groups and organizations in this country working for world government.

Recently at Chicago, upon the initiative of Students for World Federal Government, many of whom have dropped their studies in the universities, in order to work for World Government, a Council for the coordination of the activities of these organizations was projected and tentatively approved.

The representatives of the various world government groups adopted the following statement:

"WE BELLEVE:

- "1. That there can be no peace in any community without justice, no justice without law and no law without a government to make, interpret and enforce that law. In the world community, we need a world government, federal and democratic in form with laws applicable to individuals.
- "2. That world government should have jurisdiction over world affairs as defined in a world constitution. Nations would retain their jurisdiction over purely national affairs. World Government must control, among other things, all weapons of mass destruction and supervise universal disarmament.
- "3. That world government should have a popularly elected legislative body to make law, a judiciary to interpret it, and an executive adequate for the administration and enforcement of the law.
- "4. That all nations should be invited to enter this world government and membership should be open to all nations at all times.
- "5. That the time has come when all individuals should join hands across national boundaries and assume the responsibilities of the fourth level of citizenship, world citizenship, (the other three being local, state or provincial, and national) upon which a world government with a world Bill of Rights can be erected and maintained."

This represents a change from low gear into second. Soon we must get into high gear. We need to abandon soft phrases and merely idealistic approaches. We need to figure out what must be done, determine upon the means necessary and then get busy doing it.

A Peoples World Constitutional Convention

Some world government groups are advocating amendments to the Charter of the United Nations. Others are calling for a constitutional convention to revise the Charter. These are forms of putting pressure on the national governments to create world government. These activities are praiseworthy and should go on.

Since the time is short, it would be folly to put all of our world government eggs in one basket. The atomic scientists had several theories about how atomic energy could be produced. Because they thought they were in a race with the Nazi scientists, they did not try out their theories one by one. They tried all conceivable methods simultaneously. We people who want to get world government established, ought to do as the scientists did.

Some Precedents For Popular Initiative

For a democratic World Federation, there must be direct action by the people, who will be the source of its powers.

The Annapolis Convention - and not the Continental Congress - called the Constitutional Convention of 1787 at which our federal constitution was drafted. After action had been taken, then the Congress came along. The leaders of the Convention - Madison, Franklin, Washington and Hamilton - realizing the danger that the state governments would not surrender sovere eignty, decided that the constitution should be submitted for ratification by conventions in the state instead of the state legislatures. The people elected delegates to these constitutional conventions. Federal government might never have been obtained, had not the people been given a chance to vote on it.

In 1862 Jean Henry Dunant wrote his Un Souvenir de Solferino, in which he depicted the sufferings on battle fields and pleaded for internationally organized relief for the victims. The Societe Genevoise d' Utulite Publique actively seconded the suggestion. The result was an international conference at Geneva attended by unofficial delegations from 16 countries. This led to the first Geneva Convention (1864) which established the International Red Cross. Four years later the convention adopted ten articles embodying measures to insure the neutralization of all humanitarian agencies engaged in the relief of war wounded. Later the field of activities was enlarged to include peace time disasters. The signatories to the Geneva Convention included all civilized countries and their dependencies. First the people acted; then governments were moved to act, too.

After the delegates appointed by the state governments in Australia had met in convention in 1891 and failed to secure the adoption of a constitution, the leaders of the movement appealed to the people. Representatives were elected by the people of the several states who assembled at another convention in 1897. A constitution was agreed upon and presented to the governments for submission to the people. The people of the states voted on this constitution. Finally the necessary ratification was secured and federation was attained.

Recent polls in this country have shown that a majority of the people would favor this country sending representatives to a world congress to meet with representatives of other countries, and would be willing to abide by the majority decision as to the world laws that are needed to keep peace. It is only fair that the people should be given this opportunity to achieve democracy in world affairs.

There is a way it can be done.

The world government organizations in this country working together, in support of the program, can lead a peoples' movement for a World Constitutional Convention.

The organization can make contacts with groups in other nations supporting a peoples' World Constitutional Convention. The people of this country who want world government can hold elections for representatives to meet with the elected representatives of other peoples to assemble as the constitutional convention.

This assembly will meet at a center convenient to research and communication and begin the draft of a constitution. It should publicize its activities through all available channels of communications.

The Constitutional Convention can show how problems that are insoluble under the United Nations can be solved through a federal world government having legislative, executive and judicial authority. The convention can demonstrate the way world law could operate and how world law could remove the conditions which result in international explosions and the precipitation of war.

After the Peoples' World Constitutional Convention has drafted the world constitution, a Provisional World Government could be established.

This Provisional World Government will not have legal authority. It will have only moral authority to present the constitution to the national governments for submission to the people for ratification in accordance with their respective constitutional processes.

The course of action here suggested is not an attack upon any national government. It would be a great creative act, it would be a great moral act and the embodiment of the highest form of democratic activity. It would also be a great educational act. As has been shown, it is amply sustained by precedent.

It Can Be Done

Naturally, when anything new is brought out - whether it be a steamboat, a reaper, a gasoline propelled vehicle, a flying machine, or a simple idea for application of human reason for the establishment of a government for the regulation of world affairs - the first reaction of many people is to say it won't work.

I believe that there is no one who is so apathetic as to be unwilling to devote one hour's time to serious reflection upon our problem. When we sit down as little children before the fact that the world is without law, without government which is the only agency for the preservation of peace, we are bound to see the light.

Can we not see that as long as national governments are allowed to make war for whatever cause they think is right, wars will continue.

Since the development of the scientific means of mass destruction, no war can ever again be justifiable. Is there anyone to deny that?

Some Who Could Help

The time has come for us to put the problem squarely up to big business, to the owners of the press, of radio and of the movies, and to other similar groups.

To do the job outlined, money will be needed -- lots of money.

This country spent 300 billion dollars in fighting the most recent war. Our leaders currently are talking in terms of ten to fifteen billion dollars a year for a military establishment which cannot do anything except get us into trouble and take us all to our doom. Can we raise 1/10,000th part of the cost of World War II for peace?

It will take at least 30 million dollars or its equivalent in advertising space, radio time, printing, doorbell ringing, and other contributions of brains and energy to carry out this program which lies ahead of us.

Money alone will not do the job either. We need the organizational talents and executive abilities of practical men with vision and ideals to help put it over.

I mean men like the following:

Winthrop W. Aldrich Sir Douglas Alexander Henry C. Alexander J. W. Andrews Vincent Astor Chester I. Barnard Thomas Harry Barton William L. Batt Thomas H. Beck James F. Bell Chester Bowles Martin W. Clement Frank Couzens Gardner Cowles James M. Cox Joseph M. Cudahy Joseph E. Davies Charles G. Dawes Nelson Doubleday Donald W. Douglas A. W. Dow Cyrus S. Eaton Marriner Eccles Frederick H. Ecker General Dwight Eisenhower Victor Emanuel Max Epstein Silliman Evans Henry Ewald Benjamin F. Fairless James A. Farley Marshall Field, Jr. Lincoln Filene Harvey S. Firestone Henry Ford II Clarence Francis George Gallup A. P. Giannini Harvey D. Gibson

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George Sloan A. N. Spanel Rudolph Spreckels Evarts C. Stevens Arthur Sulzberger Harold Swift Gerard Swope Charles P. Taft Myron C. Taylor Walter C. Teague Mahlon D. Thatcher Juan F. Trippe Arturo Tuscanni Charles Walgreen, Jr. James P. Warburg Harry Warner Thomas J. Watson Rudolph M. Weyerhauser Albert H. Wiggin Charles E. Wilson Thomas E. Wilson Philip K. Wrigley Owen D. Young Robert Young

Of course there are many other men of this caliber who might be mentioned if space permitted. Surely some of the men named in the foregoing list will see the greatest challenge of the ages and become willing to accept their share of the responsibility which it entails. Their accomplishments were mainly due to the fact that they have done things other men said could not be done.

What provision are they making now to protect their stockholders against insolvency and bankruptcy that will result from atomic destruction?

If none of them will come forward and help raise the barrier, then, of course, the little people will have to do it. That is the hard way and will take longer. That will increase the danger that the big people with all their property holdings will be wiped out with all of us little people.

We may be able to save them, but why should they take the risk.

Why Do Business Men and Property Owners Not Take Out Insurance Against War?

\$225,000,000 was paid in premiums to War Damage Insurance Corporation by 8,000,000 American property holders, for protection against war losses in World War II. How much wiser it would be to establish world government now to insure against the recurrence of war than to wait until war comes. After that it will be too late to protect anything. If given the opportunity, these same people would gladly pay the same sum for anti-war insurance - World Government. To do so would be an act of the soundest good business judgment.

Insurance against such risks as fire, windstorm, bad debts, explosions and loss of rentals, has become a standard business practice. The most imminent risk of all, the one which is likely to cause unparalleled damage to property, is war. There is no insurance against this risk except World Government.

Here is the Project - 5 Vital Steps

Here is what has to be done and what can be done.

- 1. The first step is the creation of a committee tentatively to be called the Committee for A People's World Constitutional Convention. This committee is now in the process of formation.
- . 2. The second step is the establishment of headquarters and the organization of a staff.
 - 3. The third step is the preparation and distribution of appropriate announcements for the press, radio and individuals all over the world.
 - 4. The fourth step is the determination of precise dates for the holding of peoples' conventions on local, state and national levels, as may be determined, and finally for a People's World Constitutional Convention.
 - 5. The fifth step is the creation and carrying out of a nationwide and worldwide educational effort behind the goal.

The first step will require the raising of \$100,000 immediately as a nuclear fund. Then it will be necessary to raise \$1,000,000. Then it will be necessary to raise \$30,000,000.

This job can be done. This job must be done. Let us take the first step and get on with the job, for ourselves, for our children, for the children to come, and for the world.

Fyke Farmer

Bellevue Drive, Nashville 5, Tennessee, U.S.A.

Fyke Farmer

December 2, 1946: Fourth Anniversary of the Atomic Bomb. UNIVERSITY OF ILLINOIS
COLLEGE OF MEDICINE
912 SOUTH WOOD STREET
CHICAGO, 12, ILLINOIS

DEPARTMENT OF PSYCHIATRY

January 15, 1947

ILLINOIS NEUROPSYCHIATRIC INSTITUTE

Professor Norbert Wiener Massachusetts Institute of Technology Cambridge, Massachusetts

Dear Wiener:

This concerns one, Richard B. Greenwalt, who has grown up on a small farm in Pawnee, Illinois, which is near Springfield. I met the boy quite by accident when I went down with Rook and my youngest to look at a couple of fillies.

First, I was impressed with the surprising mental ability both in his father and mother, and then the boy wandered in. I spent an hour or more talking with him and I think he is the kind of youngster who should go to MIT. He has always found mathematics enjoyable and easy and seems, in spite of school, to have a real knowledge of what it is all about. Perhaps somewhere he had a good teacher once. He told me that he was considering California Tech or MIT, and I volunteered to drop you a note in his behalf if and when he applied for admission. I know nothing of his official school record or IQ, but I would be surprised if they are not both excellent. I know my contact with him was brief, but I am not often fooled when it comes to real interest and ability along these lines.

I have just heard that he is applying and wish to add my favorable impression to his record for the good of both the youngster and MIT. I wish I could get the same kind of boy heading into my own field.

Yours as ever,

Warren -

Warren S. McCulloch, M.D.

WSM: be

With freetings from Clas 17 callock to four and forers -

January 15th, 1947

Dr. Arturo Rosenblueth Institute of Cardiology Calzada de la Piedad, No. 300 Mexico City, Mexico

Dear Arturo and Wiener:

The Academy of Sciences got around to trying to hurry us up again, and I told them I would write to you. You, Arturo, suggest in your letter that the paper might perhaps be published later by the Academy. This will not be possible, as they insist - and rightly, I think, - that the conference should be a unit. It will, however, be all right if you can get it in by the middle of February. I look forward to seeing it.

Yours sincerely,

Gregory Bateson

GB:b copy to Dr. Wiener

TECHNICAL AMERICA Technical and Scientific Division

UNITED OFFICE AND PROFESSIONAL WORKERS OF AMERICA

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Circle 7 - 4 3 9 5 NEW YORK 23, N.Y.

January 15, 1947

Professor Norbert Weiner Massachussetts Institute of Technology Cambridge, Mass.

Dear Dr. Weiner:

I need not tell you with what interest we noted your refusal to contribute a paper on electronic calculating devices when you thought that your contribution would be used for military purposes. I know too how the press used this story without explaining how scientists feel about the distortion of science and learning for destructive purposes.

Ours is a trade union of technical and scientific workers -- we were formerly the Federation of Architects, Engineers, Chemists and Technicians and are now amalgamated with the United Office and Professional Workers of America as its Technical and Scientific Division -- and this month we are issuing our new publication. Technical America.

I wonder if you would be willing to prepare an article for us expouding your views and explaining your action. We feel that technical and scientific workers have a great stake in this question of the utilization of science and technology for social and constructive purposes, and I know that such a contribution from you will be received eagerly and will have a wide influence among such groups that need your straightforward views on this subject.

Sincerely yours Bergl filmen

Technical and Scientific Division

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Morthland College Ashland, Wisconsin

Professor Norbert Wiener % The Atlantic 8 Arlington Street Boston, 16, Massachusetts:

Dear Professor Wiener:

to

Thank you for your article in the January Atlantic. I am using it in my classes as an example of the mastery of our mother tongue by a mere physical scientist, and as an example of a fully developed social conscience by the same type of man.

Perhaps we can still preserve the peace if you and Professor Struik can mobilize the physical scientists to assume the burden of moral responsibility which we social scientists have so shamefully refused to assume.

Of course, I understand the nature of our culture that you are free to play the role of a man and we are bound the the role of isolated prostitutes; still all of us are going to perish if leadership is not taken in time.

Enclosed are two copies of the Whaley-Eaton Letter Service which might be of interest to you. Could you please return them in the self-addressed envelope which I enclose?

Yours truly,

(Morrison Sharp, Head, Dept of History)

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January 14, 1947

Dear Dr. Wiener:

I have read with interest, sympathy and admiration your page in the current Atlantic Monthly and the account in the Herald Tribune of January 8 of your "self-imposed censorship."

It so happens that at this time we are planning to throw open the American Scholar Forum (see accompanying copy of Winter number) for a symposium discussion on the general topic, "Should the Scientists Resist Military Intrusion?"

It is our plan to run the symposium with a lead article of some 3.000 words by Dr. Louis N. Ridenour, and we are asking a half dozen other qualified individuals to write brief comments (from 250 to 500 words) on the situation. using Dr. Ridenour's article as a spring board. The enclosed sheet of questions indicates the general lines of the discussion, though Dr. Ridenour is not committed to follow them exactly. Sometime in January we will have galleys of the article to send out, and what we are asking of you is: would you be willing to contribute one of the brief comments? It would be very helpful if we could hear from you not later than January 20. If you are willing, as I hope you are, when we send you the galleys, you will have a week in which to read them and write your comment.

I hope particularly that you will be willing to contribute to this Forum. I feel very strongly that we need your voice in it.

Sincerely.

Hiraun Haydu

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

lm/HH enc. - mag.

TATA INSTITUTE OF FUNDAMENTAL RESEARCH Bombay 26, India.

Telephone: 40285
Telegrams: "ZETESIS"

53 Pedder Road.

Ref:TFR/9/1463

14th January, 1947.

Dear Prof. Wiener,

It was very kind of you to remember us after all these years. I learnt of your revered father's death some years ago, but so late that it would have been ridiculous to send condolences. The war has interrupted everything in India and for us I fear the end of the war is not yet in sight. However, India is in some ways not so badly off as China.

We were discussing you yesterday, on the occasion of S.S.Chern's visit to Bombay. My colleague and Director H.J.Bhabha also recalled meeting you at M.I.T. and the three of us had a happy time exchanging reminiscences. Chern is now Head of the Mathematical Institute of the Academia Sinica as well as of the Tsing Hua University and has plans for building up Mathematics in China. I work here as a Professor of Mathematics. My mathematical work has been considerably reduced because of dabbling in so many other things. In particular, I refer to the edition or rather editions which I have been issuing of a Sanskrit poet; my only excuse is that these are not school texts but rather heavy research on their own account.

Ram Prasad and his wife are actually in Bombay at the time of writing and send you their best regards. He is Chief Hydro-Electric Planning Engineer for Bombay Province. They have three children of which the eldest, a daughter, died very young. The other two are growing up very well indeed, the elder being now in the first year of college at Bangalore. He is a lad of the highest promise, having been at the head of his class throughout. His younger sister is also at school in Bangalore though she happens to be in Bombay just now. My mother stays with her grand-children at Bangalore because she cannot stand the climate of any other place in India. My father, I am sorry to say however, has developed certain idiosyncrasies in his old age; one of these manifested itself by his attempt to fast to death just before his 70th birthday three months ago. He was pulled out of that by the personal intervention of Mahatma Gandhi, but it is very difficult to say just what he will or will not do at any given moment because his plans shift with alarming rapidity. I myself am married and have two daughters aged 11 and 8 respectively. I had a very thin time of it after 1943 and the years 1944, 1945 and a good, half of 1946 were spent in the utmost physical distress and misery. I have pulled out of that, but I am not yet certain that the after effects of that illness combined with increasing age will not be difficult to cope with.

In Mathematics my work on Differential Geometry will appear summarised in a(planograph)book published

by the Annals of Mathematics Studies; this may be out by the summer of 1947. I dabbled a bit in Statistics and perhaps my use of Hilbert Space in Statistics will lead to something of importance. For this are needed continuous calculating machines and I thought that the one on which I had collaborated with two other people in Bombay would provide a complete answer. The machine functions sufficiently well for me to be certain that I am right but one of my collaborators developed a bad case of swollen head and I have washed my hands off the whole affair. The apparatus was very simple and did not involve punching cards in any way. We took the graphs as they came from the usual type of recording instrument, and scanned them along the Y axis by a travelling beam of light. By a very simple electronic device a square wave pulse proportional to the height of each graph was sent out and registered as a charge on a condenser. This automatically enables us to add as many graphs as desired and by interposing either an electronic system(which is less accurate) or another set of graphs prepared specially beforehand. we can get any function of the original curve to be registered also. The discharge of the condenser gives the sum function while for integration and continuous calculation all we need to do is to read the total charge off one plate without discharging the condenser. The mechanical errors are easily balanced out by using a trigger principle; and the electronic errors need a certain amount of ingenuity for their balance hamely to prevent leakage and false signals. In any case I think if you take up the work at M.I.T., you will find it very much easier than we did because of the far more advanced television technique in the U.S.A. The one trouble with this kind of calculator is that it is slow. On the other hand it needs no preparatory work on the data. Areall .acompositions parahasass only aged a had as to

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DDK:AER. (Prof.D.D. Kosambi).

Prof. Norbert Wiener, many and . Had a that a class of the period of the prof. Norbert Wiener, many and . His class through the period of the Massachusetts Institute of Technology, Cambridge, Massachusetts, U. S. A. The state of the state



THE COLLEGE

Mathematics

January 15, 1947

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

Dear Norbert,

Thank you very much for your fine letter concerning Mr. Ralph G. Selfridge. It is my full intention to appoint him as an assistant instructor in our Department for next year. I appreciate very much your calling my attention to him, for it is just this type of person in whom we are very much interested.

I have read with much interest your article in the Atlantic Monthly, and also a clipping in the papers stating your position with respect to the conference on computing machines held last week.

Please give my kindest regards to Gretel and the family.

Sincerely yours,

J. R. Kline, Chairman Department of Mathematics

JRK/esm

DATE Jaw. Eighth : Dear Siv: Please may I commend you for your viewpount. I too, believe that emulation of the barbarians and causing suffering and agony to the helpless (and already rictimina people abolished our right to resentment I thread one clergyman make a rather theble protest Timerely Forus, Gertrude Gierre

FROM





POST CARD

Professor Norbeit Weiner Mass. Dustitute of Technology Eambridge Mass.