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~~SECRET~~

Metallurgical Laboratory

P.O. BOX 5207
CHICAGO 80, ILLINOIS

MUC-FD-L 15
This document consists of 1 pages and 0 figures
No. 1 of 5 copies, Series A

BUTTERFIELD 4300

July 13, 1945

DCV#-55442

To: A. H. Compton
From: Farrington Daniels
Re: Poll on the use of weapon

Following the suggestions of your letter, AC-2757. I took copies of excerpts of your letter individually to the eight different section chiefs and asked them to show the questions individually to some of the members of their group. These extracts which went to the section chiefs were marked "Secret", delivered in person, and all copies returned and destroyed.

Each person polled read the questions and placed in an envelope the number which most closely represented his choice. All the balloting was done on Thursday afternoon, July 12. The ballots were returned to me, and the counts are as follows:

<u>Suggestion No.:</u>	<u>No. of Votes:</u>	<u>% of Total Vote:</u>
(1)	23	15
(2)	69	46
(3)	39	26
(4)	16	11
(5)	3	2
	<u>150</u>	<u>100</u>

The Argonne Laboratory and the Patent Division were not polled. Approximately 2/3 of the remaining academic personnel voted.

The suggested procedures were as follows:

(1) Use the weapons in the manner that is from the military point of view most effective in bringing about prompt Japanese surrender at minimum human cost to our armed forces.

(2) Give a military demonstration in Japan, to be followed by a renewed opportunity for surrender before full use of the weapons is employed.

(3) Give an experimental demonstration in this country, with representatives of Japan present; followed by a new opportunity for surrender before full use of the weapons is employed.

(4) Withhold military use of the weapons, but make public experimental demonstration of their effectiveness.

(5) Maintain as secret as possible all developments of our new weapons, and refrain from using them in this war.

~~SECRET~~

Farrington Daniels

H4662

H4115

9

Metallurgical Laboratory

P.O. BOX 5207
CHICAGO 80, ILLINOIS

BUTTERFIELD 4300

November 17, 1945

Dr. Le. Szilard,
Wardman Park Hotel,
Washington, D. C.

Dear Dr. Szilard:

As I explained to you over the telephone, your accumulated vacation is now used up as of the middle of November. The Laboratory Council agreed on a policy according to which the Atomic Scientists would take either vacation time or ^{leave of} absence without pay when absent from the laboratory on business not directly connected with the work of the laboratory. I had hoped that you might come here soon so that we could talk over the situation, but I think it would be best, both for the Laboratory and for yourself for you to go on leave of absence without pay when you are away, such arrangement for leave to start at the expiration of your accumulated vacation.

I hope that this arrangement will meet with your approval.

Best wishes —

Sincerely yours,

Farrington Daniels

Farrington Daniels, Director
Metallurgical Laboratory

FD:db

File

Szilard File

January 31, 1946

Memo to: Wayne W. Johnson

From: Farrington Daniels

Re: Dr. Leo Szilard's leave of absence

Although Dr. Szilard returned to the Metallurgical Laboratory on December 12th and should be eligible to be placed on the active payroll, Dr. Szilard tells me that he prefers to remain for the time being on leave of absence without pay. Dr. Szilard states that his mind is so occupied with the social and political implications of the bomb and with the affairs in Washington that he has found it difficult to give his proper attention to the scientific work of the Metallurgical Laboratory. For the time being then we will continue Dr. Szilard on leave of absence without pay.

Farrington Daniels

FD:FA

Metallurgical Laboratory

P.O. BOX 5207
CHICAGO 80, ILLINOIS

May 9, 1946



BUTTERFIELD 4300

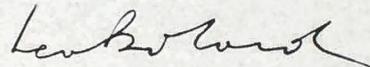
Mr. Farrington Daniels
Metallurgical Laboratory
Chicago, Illinois

Dear Mr. Daniels:

I am writing you the enclosed letter in the hope that it
will make it easier for you to formulate your answer.

With kind regards.

Sincerely,



Leo Szilard

LS:jjp

encl.

MUG-LS-74
This document consists of 1
pages and 0 figures
No. 1 of 1 copies, Series A

5816 Blackstone Avenue
Chicago, Illinois
May 9, 1946

Director, Metallurgical Laboratory,
Mr. Farrington Daniels,
University of Chicago,
Chicago, Illinois.

508c p. 167

Dear Mr. Daniels:

According to a report in the New York Post, on the 7th of May, 1946, (in a column by Leonard Lyons), General Groves makes no secret of his dislike for me, and if the Army will have his way, I shall not be allowed to work on the Project. I quote,

"Maj. Gen. Groves, head of the Atomic Bomb project, in his private discussions of the Army-sponsored bill and of the opposition to it by the scientists, makes no secret of his dislike for Dr. Szilard, who first interested Roosevelt in the bomb. If the Army bill passes, Szilard--because he was born in Hungary and served in the German Army in the first World War--wouldn't be allowed to work on the project..."

In view of this report and also some private communications made to me, I wish to inquire, first, whether it was suggested to you by some representative of the Manhattan District that my contract shall not be renewed, starting June 30th of this year; and, second, whether the Metallurgical Laboratory will in fact refrain from offering me a contract, starting June 30th, of this year.

It is my continued desire to work in the field of atomic energy and to do this, if possible, for the United States Government rather than for some private corporation. When I left Chicago for Washington in October, it did not seem that I could do much useful work in the Laboratory, since there was no possibility of employing new men to form a group, with which to take up one or the other aspect of our problems. Having returned to Chicago, I do not feel that I ought to request you to put me on the payroll, since the time between now and June 30th is too short to do any useful work. I shall therefore await your answer to this letter before suggesting to you any change in my present status.

I was pleased to hear that Dr. Zinn has accepted the directorship of the National Laboratory at the Argonne, and that the National Laboratory will serve a number of universities, rather than just the University of Chicago.

Very sincerely yours,

Leo Szilard

Leo Szilard

5816 Blackstone Avenue
Chicago, Illinois
May 9, 1946

Director, Metallurgical Laboratory,
Mr. Farrington Daniels,
University of Chicago,
Chicago, Illinois.

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Very sincerely yours,

Leo Szilard

Metallurgical
Laboratories

May 13th, 1946

Dr. Leo Szilard,
Metallurgical Laboratory,
Chicago, Illinois

Dear Dr. Szilard:

The contract #W-7401-eng-37 covering the operation of the Metallurgical Laboratory terminates on June 30, 1946 and it will not be possible, therefore, to renew your contract with the Metallurgical Laboratory; and I am unable to offer you a position in the new Argonne National Laboratory.

May I take this opportunity to express the appreciation of the Metallurgical Laboratory for your very valuable contributions to its success. Your foresight and initiative were largely responsible for obtaining support for the original atomic energy program and your work on piles and your vision for new types of piles have been important in the development of the research program of the Laboratory.

I know that you will find interesting work to do in which you will continue to work for the safety and welfare of the nation and I wish you every success in it.

Sincerely yours,

Farrington Daniels, Director
Metallurgical Laboratory

FD:FA

①
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covering the operation of the Metallurgical
Laboratory terminates on June 30, 1946
and it will not be possible ~~to~~
~~offer you a position in the new~~
~~Argonne National Laboratory~~
~~renew your~~

, therefore, to renew your contract with
the Metallurgical Laboratory; and I
~~I have been unsuccessful in~~
am unable to offer you a position in
the new Argonne National Laboratory.

May I take this opportunity
etc.

Metallurgical Laboratory

May 10, 1946

Dr. Leo Szilard,
Metallurgical Laboratory,
Chicago, Illinois

Dear Dr. Szilard:

The contracts for the Metallurgical Laboratory expired June 30, 1945 and were then extended for one more year. After June 30, 1946, the Metallurgical Laboratory will cease to exist as such and the Argonne National Laboratory will take over the assets and operate the Laboratory with the cooperation of the universities of the middle west.

Our plans for the research program and personnel are not yet complete, but in order that you may have ample time to make plans I feel that it is only fair to tell you now that the Area Engineer of the Manhattan District of the Army Engineer Corps has requested me not to offer you a position in the new Laboratory.

May I take this opportunity to express the appreciation of the Metallurgical Laboratory for your very valuable contributions to its success. Your foresight and initiative were largely responsible for obtaining support for the original atomic energy program and your work on piles and your vision for new types of piles have been important in the development of the research program of the Laboratory. ~~(You have made important contributions to the patent structure of the Manhattan District and you have been vigorous in pointing out the political and social implications of the atomic bomb.)~~

I know that you will find interesting work to do in which you will continue to work for the safety and welfare of the nation and I wish you every success in it.

Sincerely yours,

Farrington Daniels, Director
Metallurgical Laboratory

Please be advised that Contract W-7401 eng-37 covering the operation of the Metallurgical Laboratory terminates on June 30, 1946. It will not be possible, therefore, to renew your contract with the Metallurgical Laboratory.

Metallurgical Laboratory

Szilard

May 10, 1946

Dr. Leo Szilard,
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Chicago, Illinois

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I know that you will find interesting work to do in which you will continue to work for the safety and welfare of the nation and I wish you every success in it.

Sincerely yours,

Farrington Daniels, Director
Metallurgical Laboratory

FD:db

May 15, 1946

F. Daniels

L. Szilard

I have drafted a letter to Dr. Arnold, but on second thought, it seems to me that it might be better if you took it up with Old, assuming that you can get his address. Perhaps you can let me know at some later date whether you have taken any steps.

As you see from the enclosed draft to Arnold, I can not go, at the present, beyond expressing a general interest in coming into contact with the Navy.

jjp
encl.

L. Szilard

May 15, 1946

Dr. Luther B. Arnold
Arthur D. Little, Inc.
Cambridge, Massachusetts

Dear Dr. Arnold:

Dr. Daniels told me that you have been in touch with Dr. Bruce Old from the Navy and that some branch of the Navy is interested in work on atomic energy. Since it is my understanding that it will not be made possible for me to work on atomic energy for the Army after June 30th as long as this work remains under the Manhattan District under General Groves and since I shall undoubtedly remain interested in atomic energy and have the desire to have the United States government's support or blessing for my work, I would be glad to have an opportunity to meet some of those who are concerned with the Navy's interest in atomic energy.

Very sincerely yours,

LS:jjp

Leo Szilard

Metallurgical Laboratory

P.O. BOX 5207
CHICAGO 80, ILLINOIS

BUTTERFIELD 4300

May 15, 1946

Dr. Leo Szilard,
Metallurgical Laboratory,
Chicago, Illinois

Dear Dr. Szilard:

I acknowledge the receipt of your letter of May 9 and I regret to say that no offer will be made to you to continue your work after June 30, 1946 with the University of Chicago under contract with the Manhattan District.

May I take this opportunity to express the appreciation of the Metallurgical Laboratory for your very valuable contributions to its success. Your foresight and initiative were largely responsible for obtaining support for the original atomic energy program, and your work on piles and your vision for new types of piles have been important in the development of the research program of the Laboratory.

I know that you will find interesting work to do in which you will continue to work for the safety and welfare of the nation and I wish you every success in it.

Sincerely yours,

Farrington Daniels

Farrington Daniels, Director
Metallurgical Laboratory

FD:db

Metallurgical Laboratory

Lill: L. Szilard

May 15, 1946

Dr. Leo Szilard,
Metallurgical Laboratory,
Chicago, Illinois

Dear Dr. Szilard:

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May I take this opportunity to express the appreciation of the Metallurgical Laboratory for your very valuable contributions to its success. Your foresight and initiative were largely responsible for obtaining support for the original atomic energy program, and your work on piles and your vision for new types of piles have been important in the development of the research program of the Laboratory.

I know that you will find interesting work to do in which you will continue to work for the safety and welfare of the nation and I wish you every success in it.

Sincerely yours,

Farrington Daniels
Farrington Daniels, Director
Metallurgical Laboratory

FD:db

A CC Col Froye 2
Mr. Hamell
Dr. Zimin.

5816 Blackstone Avenue
Chicago, Illinois
May 18, 1946

Mr. Farrington Daniels, Director
Metallurgical Laboratory
University of Chicago
Chicago, Ill.

Dear Mr. Daniels:

The following notes will be added as an appendix to my paper which is supposed to appear in the Physical Review. The text of the paper has been sent to you previously with the request of being informed if the appropriate authorities have any objection to any passage contained in it. I would appreciate it if you would put the enclosed notes through the same mill.

Very sincerely yours,

Leo Szilard

To: F. Daniels

(Postal registry number or classified mail number)

RECEIPT OF CLASSIFIED MATERIALS

- ORIGINAL** —To be signed personally by the recipient or his authorized delegate and returned to sender.
- DUPLICATE** —To be retained by recipient.
- TRIPLICATE**—To be retained by sender for suspense file and destroyed when signed original is returned.

I have personally received from (*sender*) L. Szilard
 Box 5207, Chicago, Illinois, the material as identified below. I assume full responsibility for the safe handling, storage, and transmittal elsewhere of this material in accordance with existing regulations.

The material, including enclosures and attachments, is identified as follows: (In identifying material, avoid any reference which might cause the receipt form to become CLASSIFIED)

Description	Date of Document	From	Reference or File No.	Addressed to	Date Mailed
Unclassified SO Let, 6 pg. attachment	5/18/46	Szilard	MUC-LS-75 1A	Daniels	5/20/46

SO: signed original; CC: carbon copy; PC: photostatic copy; TC: typed copy; DM: ditto master; DC: ditto copy

F. Daniels / F. Anderson
 (Signature of Recipient)
5/20/46
 (Date)

ORIGINAL COPY
 (TO BE SIGNED AND RETURNED TO SENDER)

METALLURGICAL LABORATORY
P. O. Box 5207, Chicago 80, Ill.
OFFICE OF THE DIRECTOR

MAY 27 1946

A.M. 7:15 P.M. 6

M.S.

c/o Weiss
5816 Blackstone
Chicago, Illinois
May 27, 1946

Mr. Farrington Daniels, Director
Metallurgical Laboratory
P.O. Box 5207
Chicago 80, Illinois

Dear Mr. Daniels:

I am writing to acknowledge receipt of your kind letter of May 15th in which you state that no offer will be made to me to continue work after June 30th, 1946 for the University of Chicago under contract with the Manhattan District.

Inasmuch as my employment contract with the University of Chicago runs until the 30th of June, 1946 and inasmuch as you do not carry me on the payroll and I do not receive, in fact, the salary specified in that contract or for that matter, any salary, I propose that the contract be considered as having terminated by mutual consent. I would much appreciate receiving a letter from the University as a confirmation of this fact.

If it had been the intention of the University to renew my contract upon its termination on the 30th of June, I would have suggested that I be put back now on the payroll. In the present circumstances, however, I would not feel justified to make such a suggestion since the remaining time between now and the 30th of June is too short to permit my being useful to the Laboratory. On the other hand, I do not believe that you want to ask me to remain employed without a salary and with a rather vaguely defined status as to rights and obligations.

Very sincerely yours,

Leo Szilard

Leo Szilard

Metallurgical Laboratory

P.O. BOX 5207
CHICAGO 80, ILLINOIS

BUTTERFIELD 4300

June 1, 1946

Dr. Leo Szilard,
% Weiss, 5816 Blackstone Avenue,
Chicago, Illinois

Dear Dr. Szilard:

You have pointed out to me that inasmuch as your contract which runs to the 30th of June, 1946, is not to be renewed, and inasmuch as you have been kept on the payroll on leave of absence without salary since last December, you feel that it would be best to have the contract terminated now by mutual consent.

I agree with you in feeling that as the time between now and the 30th of June is so short it would not permit starting a research program, and accordingly the Metallurgical Laboratory is agreeable to the immediate termination of this contract in accordance with your wishes.

I feel with you that you should be free of laboratory responsibilities inasmuch as you are not drawing any salary. Again I want to express to you my personal appreciation and that of the Metallurgical Laboratory for your invaluable pioneer work and your important contributions to the development of the field of atomic energy.

With kindest personal regards, I am

Sincerely yours,

Farrington Daniels

Farrington Daniels, Director
Metallurgical Laboratory

Wayne W. Johnson
Wayne W. Johnson,
Personnel Director

FD:WWJ:db

October 27, 1949

Dr. Farrington Daniels
Department of Chemistry
University of Wisconsin
Madison, Wisconsin

Dear Farrington Daniels:

Enclosed is a manuscript of a paper which will appear in the next issue of the proceedings of the National Academy and which will perhaps interest you. Kind regards--

Sincerely yours,

Leo Szilard

LS:wv

1947

FLORENCE'S JIM DRURY IS TEACHING AT UNIVERSITY OF KANSAS - MIRIAM IS STUDYING NURSERY KINDER -

FARRINGTON R. M. IS RESIDENT IN THE NEW YORK HOSPITAL

GARTEN IN NEW YORK - 39 27 700 - NITBERG O. J. & S. NITBERG
DRURY IS AT BERLIN COLLEGE -



Chemistry Building-University of Wisconsin

CHRISTMAS GREETINGS 1947 FROM THE FARRINGTON DANIELS

file H 3

January 18, 1962

Professor Farrington Daniels
Solar Energy Laboratory
College of Engineering
The University of Wisconsin
Madison 6, Wisconsin

Dear Professor Daniels:

Leo Szilard is on the West Coast continuing his addresses inviting a survey by students to estimate the potentialities of a Movement for Abolishing War. He has asked me to answer his most urgent correspondence.

He will certainly be very delighted with your thoughtful letter and may very well reply directly. You can readily understand he has had a real avalanche of mail.

Leo wants to let the Council define the specific program. The Lobby, if it is set up, would explain how to make use of \$20,000,000 per year. Most of that would be applied directly by the contributor to a cause of his own interest in the area of war and peace. Only a small amount of it would be handled by the Lobby.

What Leo has referred to as the "sweet voice of reason" would be dedicated to those members of the Legislative and Executive Branches of the Government who have the insight and may want to be encouraged by a knowledge that there is a vigorous and determined minority devoted to these issues. As you know, Leo was a central figure in the scientists' lobby for civilian control of atomic energy. In addition, I believe his testimony before Congress was of quite critical importance in the final outcome.

It is very good to know of your contributions to the longer range problem of raising the standard of living in economically underdeveloped countries.

Many thanks for your good wishes to Leo Szilard.

Yours sincerely,

RBL:alm

THE UNIVERSITY OF WISCONSIN
MADISON 6, WISCONSIN

COLLEGE OF ENGINEERING
ENGINEERING EXPERIMENT STATION

January 4, 1962

Dr. Leo Szillard
Du Pont Hotel
Du Pont Circle
Washington, D. C.

Dear Dr. Szillard:

I was pleased to see you in Washington last month and to find you looking so well. I have read your document with much interest and I agree with your philosophies. The world is in an extremely serious situation. I agree that the only solution for assured survival is disarmament, and that nuclear bomb testing and fall out shelters are minor phases of the much bigger and more serious problem. I agree too, that the United States must be willing to make compromises and that it is not realistic to put all the blame on other countries.

There is an impelling need for all of us to do something to relieve the cold war tensions and bring about disarmament. How to do this is a most difficult problem and one for which I do not feel that I have sufficient wisdom. I have committed myself to an intensive program of trying to raise the living standards of the economically underdeveloped countries through the development of the direct use of solar energy. One of the serious contributing causes of the world tensions could be somewhat relieved by raising the economic and social standards of some of these poorer countries. I admit that this is more important as a long range problem and that disarmament is a more pressing immediate problem, but I think that I can be more effective in the solar energy program than I can in any political program in which I do not feel particularly qualified.

I wish you all manner of success in your program and feel that it is vitally important. Does your program in any way coincide with that of a group of scientists known as "Scientists For Survival"? I do not know anything about the organization, but I have had some communication from them. To be really effective in your program of enlisting scientists for a political approach, it would seem to me that you should have a somewhat more specific program, explaining how you would spend the \$2,000,000.00 and what advice you would give to congressmen and statesmen.

Dr. Leo Szillard

-2-

January 4, 1962

I remember well the historic lobby by scientists for the civilian control of nuclear energy at the time that the May-Johnson Bill was pending in Congress in 1946. This lobby was surprising and effective. It would be fine if something similar could be accomplished for world disarmament. The difficulty, however, is that in 1946 the matter was entirely within the United States and our problem now is a world problem which is much more difficult for America to solve.

It is not clear to me how we can effectively and safely bring about world disarmament, but I sincerely wish you every success in your attempt. Nothing is more important.

With Best Wishes for the New Year, I am

Sincerely yours,

Farrington Daniels

Farrington Daniels
Professor Emeritus
Solar Energy Laboratory

FD:jk