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W. P. MARSHALL, PRESIDENT

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Send the following message, subject to the terms on back hereof, which are hereby agreed to

May 7, 1951

F. A. Long
 Department of Chemistry
 Cornell University
 Ithaca, New York

Re your letter May second, title of talk "On the Rate of Spontaneous and Chemically Induced Mutations in Bacterial Populations Maintained in the Chemostat." This is a joint paper with Dr. Aaron Novick. Regret you were not advised before.

Leo Szilard
 Institute of Radiobiology and Biophysics
 The University of Chicago
 Chicago 37, Illinois

33 22 Dent Pl. N.W. Wash D

October 13, 1962

Dr. F. A. Long
Washington, D. C.

Dear Dr. Long:

Since I have continued to receive favorable response to the project which I recently mentioned to you, I asked Ambassador Dobrynin to transmit the enclosed letter to Moscow. In order to be able to say to Dobrynin truthfully and categorically that I have not cleared this matter with the Government, I have up to now avoided talking to Mr. Foster. If you think that Mr. Foster ought to be told at this point about the action I have taken, even though it is not as yet known what kind of response my letter will elicit in Moscow, then please feel free to transmit one of the three enclosed copies to him. Another copy is for your files and the third copy is for George Rathjins.

With best wishes,

Yours sincerely,

Leo Szilard

Enclosures

P. S. I hope neither Mr. Foster nor you will hesitate to call me if there are any questions or if you wish to discuss something with me in connection with this matter or any other matter.

File copy

February 6, 1963

Dr. Franklin Long
United States Department of State
Washington 25, D. C.

Dear Dr. Long:

Attached are copies of a letter I received from Kaysen and my answer to it.

Of those to whom I have spoken over the telephone, Herbert York said he would call you; all others said they would call Kaysen.

Whenever you think the time has come for me to contact Mr. Fletcher, whom I have not met, I would be grateful for your advising him that he will receive a letter from me. Upon receipt of a copy of your letter I would then write Mr. Fletcher and explain to him what all this is about.

This week I had difficulty reaching you over the telephone, hence I am sending you this note by hand.

Sincerely yours,

Leo Szilard

Enclosure

Dr. Szilard

February 8, 1963

Dear Jim:

Since our recent discussion I have seen Leo Szilard and suggested your name to him as a possible person to participate in a policy study group with USSR individuals. Szilard will probably be contacting you in the near future and will perhaps send you information outlining the kind of study which he has in mind. I suspect that you will find this interesting and worth consideration.

With best personal regards,

Sincerely yours,

F. A. Long
Assistant Director
Science and Technology

cc: Dr. Leo Szilard ✓

Dr. James C. Fletcher,
Space-General Corporation,
9200 East Flair Drive,
El Monte, California.

FILE COPY

HOTEL LETTERHEAD

May 9, 1963

Dr. Franklin Long
U.S. Arms Control & Disarmament Agency
U.S. Department of State
Washington 25, D.C.

Dear Long:

Preparations for the Angels Project have been moving rather slowly in Washington, perhaps because I was too disheartened to push them with vigor. Therefore, I have now asked Roger Fisher, Professor of Law at Harvard, to act as my deputy and take charge of all the preparations on the American side.

Sincerely yours,

Leo Szilard

cc: Roger Fisher

DEPARTMENT OF CHEMISTRY
CORNELL UNIVERSITY
ITHACA, NEW YORK

14 January 1964

Dr. Leo Szilard
Hotel DuPont Plaza
Washington, D.C.

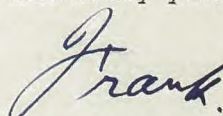
Dear Leo:

I have been studying your January 2 paper entitled "Saturation Parity or Minimal Deterrent". I find your ideas interesting and provocative and I hope you go ahead to bring this to the point of publication. I think that both your point about saturation parity and your further one about the characteristics of a minimal deterrent are very useful. I do, however, think that the paper might be still better with some modest reorganization. As I see it, you are really discussing three situations. One is where we get into an almost major added bump to the arms race because of ~~the~~ anti-missile-missile deployment. A second is ~~the~~ saturation parity which we will reach fairly soon if we don't take this first step but would ultimately reach even if we went down the anti-missile-missile development. Your third consideration has to do with the possibility of going backward to a position of a minimal deterrence. It seems to me your paper might sensibly be organized to react in those three levels, that is to say, you might point to the added component of the arms race which the anti-missile-missile would bring up which makes it at least possible that one could, by an implicit or explicit agreement, keep the arms race from burgeoning into this new territory. You might then take up as a second point what would happen in a few years if we proceed along more or less as at present and hence attain saturation parity. With that discussed and with the very great difficulties in ~~avoiding~~ escalation presented, one might then be able to turn more cleanly to the minimal deterrent alternative. In this you might want to develop the inspection problem more fully.

A final ^{may} point concerns your post-script which is important for Washington but [^]not be so important for a paper to circulate generally.

This is already a useful paper and I think can be very helpful to a lot of people.

Sincerely yours,



F. A. Long

FAL;rhi

Professor F.A. Long
Department of Chemistry
Cornell University
Ithaca, New York

Dear Frank:

Many thanks for your very kind letter of January 14.

Because I am in the process of gradually shifting my residence to La Jolla, where I expect to end up some time between March 1 and April 1, it would not be possible for me to re-organize my paper along the lines you suggested, in the predictable future. Therefore, it seemed best to let the paper appear in print, essentially as it is - with only minor changes - in the Bulletin of Atomic Scientists. It will go to press in about one week.

In these circumstances, I wonder whether you might not be willing to write something for The Bulletin of Atomic Scientists for publication in one of the next issues, giving your views on the issue of the minimal deterrent.

It seems to me it would be useful if this topic were covered by different authors having a similar basic approach but differing in what they emphasise. The different articles might appeal to different people and with luck we might end up in having at least one article that would appeal to Senators who may take an interest in this matter.

I discussed the possibility that you might be persuaded to write something on this general topic, with Mrs. Ruth Adams, Associate Editor of The Bulletin of the Atomic Scientists, and her response was enthusiastic. You may expect to hear from her directly.

I had lunch with Herb York yesterday. It is conceivable that, having resigned as Chancellor of the University, he might now devote a considerable amount of attention to the problem of arms control.

Sincerely yours,

Leo Szilard

cc: Mrs. Ruth Adams

LS: jm

May 5, 1964

Professor Franklin Long ✓
Cornell University
Ithaca, New York

Dear Frank:

Enclosed are two preprints of the paper which I mentioned
to you over the telephone.

With kind regards,

Sincerely,

Leo Szilard

LS:jm

Enclosures