

THE ROCKEFELLER INSTITUTE

NEW YORK 21, N.Y.

OFFICE OF THE PRESIDENT

1 December 1956

Dear Dr. Szilard,

It is always a great pleasure and stimulus to have you around the Institute and I hope that you will spend as much time with us as is possible. I have been especially interested in your plans for making formal arrangements to spend a considerable part of your time at the Institute while dividing your associations with us and the California Institute of Technology and perhaps another institution. This will give us great pleasure and benefit even though I regret the necessity to share your time with our sister institutions.

Pending any final decision regarding these longer range plans, I want to make you feel at once a member of our faculty and I am, therefore, writing to ask whether you would be willing in the interim to accept appointment as an Affiliate of the Rockefeller Institute. This is a status we have created for those who are associated with the Institute on a special basis because they have already retired from another university or because they spend only part time with us as in your case. Those who already hold this title are Eugene L. Opie, Professor Emeritus of Pathology at the Cornell University Medical College, George W. Corner, Director Emeritus of the Carnegie Institution of Washington, and Dr. Zworykin who spends part of his time with us and part of his time at the research laboratories of the Radio Corporation of America in Princeton. If some financial compensation would encourage you to spend more time with us, I would be glad to discuss this possibility with you at your convenience. Although we are badly crowded for space at the moment, we will do everything we can to find you some and when our new buildings are completed more satisfactory arrangements can be made.

With cordial regards and best wishes, I am

Yours sincerely,



Detlev W. Bronk

Dr. Leo Szilard  
c/o Dr. Rollin D. Hotchkiss  
The Rockefeller Institute



December 12, 1956.

Dear Dr. Bronk,

I wish to thank you for your very kind letter of December 1. Naturally, I appreciate your offering me appointment as an Affiliate of the Rockefeller Institute and I shall be very glad to accept.

Apart from all other considerations, this appointment solves a minor, immediate problem. Luncheon is a very good time for me to discuss informally problems with staff members of the Institute because I need not fear interfering with any experimental schedule! In the long run it would have been a little awkward for me to keep on inviting staff members to lunch and then let them pay for the lunch.

I know how crowded you are for space and I realize that it might be difficult for you to find space for me right now, particularly as long as my visits are sporadic and of uncertain duration.

It was very thoughtful of you to suggest that we might discuss the possibility of some financial compensation as an inducement to spend more time in New York. At present I am receiving my full salary - such as academic salaries are - from the University of Chicago even though the University very generously permits me to come and go as I please. Mostly I can charge transportation to New York to expenses. Of my hotel bills I take care through "deficit financing". Any time you care to discuss such matters I shall be delighted to call on you and thus to combine business with pleasure.

With best personal wishes,

Very sincerely yours,



Leo Szilard

Dr. Detlev W. Bronk  
The Rockefeller Institute  
Office of the President  
New York 21, N.Y.



December 13, 1956.

Dear Dr. Bronk,

I wish to thank you for your very kind letter of December 1. Naturally, I appreciate your offering me appointment as an Affiliate of the Rockefeller Institute and I shall be very glad to accept.

Apart from all other considerations, this appointment solves a minor immediate problem. Luncheon is a very good time for me to discuss informally problems with staff members of the Institute because I need not fear interfering with any experimental schedule! In the long run it would have been a little awkward for me to keep on inviting staff members to lunch and then let them pay for the lunch.

I know how crowded you are for space and I realize that it might be difficult for you to find space for me right now, particularly as long as my visits are sporadic and of uncertain duration.

It was very thoughtful of you to suggest that we might discuss the possibility of some financial compensation as an inducement to spend more time in New York. At present I am receiving my full salary - such as academic salaries are - from the University of Chicago even though the University very generously permits me to come and go as I please. Mine is a "three-quarter-year" contract which permits me to spend one quarter elsewhere in addition to act, any time, as a consultant. Still, it might not be right for me, at present, to go beyond accepting reimbursement for expenses. Mostly I am able to charge transportation cost from Chicago to New York to some meeting or conference, but if I prolong my stay in New York I have to cover my hotel bills through deficit financing. - Any time you care to discuss lowly matters of this sort I shall be delighted to call on you and thus to combine business with pleasure.

With best personal wishes,

Very sincerely yours,

Leo Szilard



466 - 24  
December 15, 1956.

Dear Dr. Bronk,

I wish to thank you for your very kind letter of December 1. Naturally, I appreciate your offering me appointment as an Affiliate of the Rockefeller Institute and I shall be very glad to accept.

Apart from all other considerations, this appointment solves a minor, immediate problem. Luncheon is a very good time for me to discuss informally problems with staff members of the Institute, because I need not fear interfering with any experimental schedule. In the long run it would have been a little awkward for me to keep on inviting staff members to lunch and then let them pay for the lunch.

I know how crowded you are for space and I realize that it might be difficult for you to find space for me right now, particularly as long as my visits are sporadic and of uncertain duration.

It was very thoughtful of you to suggest that we might discuss the possibility of some financial compensation as an inducement to spend more time in New York. At present I am receiving my full salary - such as academic salaries are - from the University of Chicago even though the University very generously permits me to come and go as I please, and I have their advanced blessing for any arrangement that is explicitly limited to reimbursement of expenses. Any time you care to discuss matters of this sort I shall be delighted to call on you and thus to combine business with pleasure.

With best personal wishes,

Very sincerely yours,

Leo Szilard

Dr. Detlev W. Bronk  
The Rockefeller Institute  
Office of the President  
New York 21, N.Y.



*File*

December 31, 1956.

Dr. Detlev W. Bronk  
The Rockefeller Institute  
66th Street & York Avenue  
New York, N.Y.

Dear Dr. Bronk,

I have thought a little bit about the problem which you raised last Friday. It seems to me that some such arrangement as you have in mind might perhaps work if the "mathematician" has a genuine interest in biological problems.

You probably know the name of R. P. Feynman. The great development in quantum electrodynamics that took place after the war, was due to three men: Schwinger, Feynman and Dyson. The contributions of Schwinger and Feynman are the first major contributions to theoretical physics by native Americans since Gibbs.

Feynman, who is at Cal. Tec., has lately taken an interest in biology. He came to listen to a talk I gave in Pasadena on adaptive enzyme formation and I was told he goes to most biological seminars there. Young biologists tell me that they greatly enjoy talking to him about their work. He might be the ideal person for your purpose. It is conceivable that he is somewhat isolated at Cal. Tec. and he would find more people to talk to about his own subject (which covers a very broad spectrum in theoretical physics) in the East. Also I read in the newspapers that he was recently divorced. Thus he might conceivably be willing to enter into some kind of an arrangement with the Institute.



The only other "mathematician" of whom I know that he has an interest in biology, is J. Savage. When he first came to the University of Chicago there was some talk that he may join the Institute of Radiobiology and Biophysics. He was at that time mainly interested in genetics and also in the cancer problem - I presume because his brother had died of cancer. At one point he considered changing over to biology altogether and I strongly advised him against it. Subsequently he made a successful career in mathematics and is now a professor at the University. Recently he became the chairman of the Committee on Statistics. I believe he is highly regarded elsewhere also, but I could find out more about this point if you are interested.

With kind personal regards,

Sincerely yours,

Leo Szilard



THE ROCKEFELLER INSTITUTE  
NEW YORK 21, NEW YORK

OFFICE OF THE PRESIDENT

20 March 1957


Dear Dr. Szilard,

Thank you very much for your recent letter regarding the progress of your proposed study of the effects of cigarette smoking.

I believe that universities should be courageous in their quest for truth and not be influenced by the possibility of criticism and opposition to research and investigation. For that reason I would be in favor of the Rockefeller Institute doing anything that should be done in the furtherance of human welfare. On the other hand, there are limits to the available energy and effort that any group can expend; for that reason I have a feeling that the many new undertakings we are carrying forward might be impaired if we were to begin on another program, wide in its scope and demanding of effort from those who might be drawn into the planning and ultimate defense of such a study as this.

Let me think further about the whole matter and, if I have any useful ideas, I will get in touch with you. In the meantime, I hope that we will see much of you here at the Institute. It is always stimulating to have you about.

Yours sincerely,



Detlev W. Bronk

Dr. Leo Szilard  
The Enrico Fermi Institute  
for Nuclear Studies  
The University of Chicago  
Chicago 37, Illinois



THE UNIVERSITY OF CHICAGO  
CHICAGO 37 • ILLINOIS  
THE ENRICO FERMI INSTITUTE  
FOR NUCLEAR STUDIES

April 4, 1957

Dr. Detlev W. Bronk  
President  
The Rockefeller Institute  
New York City 21, New York

Dear Dr. Bronk:

Many thanks for your very kind letter of March 20th concerning the proposed study on cigarette smoking.

When we traveled together from Boston to New York a year or so ago, you told me a little about your graduate training problems at the Institute. Stimulated by this conversation, I have given some thought to these problems and you will find attached a short memo in which I have jotted down these thoughts for what they are worth.

With kind personal regards,

Sincerely yours,

Leo Szilard

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Encl.



THE UNIVERSITY OF CHICAGO

CHICAGO 37 • ILLINOIS

THE ENRICO FERMI INSTITUTE  
FOR NUCLEAR STUDIES

Dr. Detlev W. Bronk,  
The Rockefeller Institute,  
New York 21, N.Y.

March 13, 1958.

Dear Dr. Bronk,

When I last saw you in New York, I discussed with you the possibility of arranging really fruitful, international meetings of scientists, for the discussion of semi-political and semi-scientific issues. I told you at the time that either I, or Dr. Grodzins, Chairman of the Department of Political Science, will send you some further information, so that you should be put in a position where you can decide whether you want to take an interest in the matter, or not.

After last year's meeting, at Pugwash, Nova Scotia, I circulated memoranda -- which you will find attached. These memoranda made two suggestions: one in favour of giving such meetings a character different from that of the meeting held at Pugwash, and the other in favour of having an educational institute, like the University of Chicago, assume the responsibility for arranging one such meeting.

The continuing committee, set up at Pugwash, accepted my first suggestion, but not the second, and a meeting of the kind that I had suggested is now being scheduled, to be held in Quebec from March 31, and to last twelve days. As in the case of the Pugwash meeting, the participants are invited by Bertrand Russel, with Cyrus Eaton playing the role of host.



Colonel Richard Leghorn, Jerome Wiesner (head of the electronics lab at M.I.T.), and Edsel, of Harvard, are among those who have been invited, and have accepted. Though neither the University of Chicago, nor I, have assumed any responsibility for the organization of this meeting, I have been in communication with a number of colleagues, including Libby, both here and in Russia, in order to have, from both countries, participants who would raise the quality of the Quebec meeting above that of the Pugwash meeting. All in all, I have not too much hope that the objectives outlined in my memoranda will be accomplished at the Quebec meeting.

The continuing committee of Pugwash has proposed that the following meeting be held in Vienna, before or after the Geneva meeting this summer, and Eugene Rabinowich has agreed to carry the main burden of arranging that meeting. Morton Grodzins is also taking an interest in this matter and, if certain conditions can be met, the University of Chicago might act as co-sponsor. I shall make an attempt, at Quebec, to find out whether the kind of meeting I have in mind can somehow be fitted into the framework of the Vienna meeting, and if this is an issue in which you wish to take an interest at all, I should like to report to you, after the Quebec meeting, how matters stand.

With best wishes,

Yours sincerely,

Leo Szilard.

cc. Morton Grodzins.

Ted Walkowitz.



THE ROCKEFELLER INSTITUTE

NEW YORK 21, NEW YORK

OFFICE OF THE PRESIDENT

26 May 1958

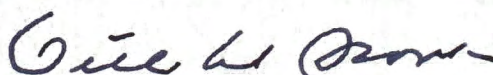
Dear Leo,

I am indeed interested in the possibility of arranging for a joint appointment with the University of Chicago and I would warmly welcome the opportunity of discussing this with you some time in the near future.

I will endeavor to reach you one day when I am in Washington during the next week or so. If I do not succeed in doing so, I hope you will get in touch with me.

With all best wishes, I am

Yours sincerely,



Detlev W. Bronk

Dr. Leo Szilard  
In care of Dr. Robert Livingston  
National Institutes of Health  
Bethesda 14, Maryland



THE ROCKEFELLER INSTITUTE

NEW YORK 21, NEW YORK

OFFICE OF THE PRESIDENT

26 May 1958

Dear Leo,

I am indeed interested in the possibility of arranging for a joint appointment with the University of Chicago and I would warmly welcome the opportunity of discussing this with you some time in the near future.

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Yours sincerely,

Detlev W. Bronk

Dr. Leo Szilard  
In care of Dr. Robert Livingston  
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Bethesda 14, Maryland



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THE UNIVERSITY OF CHICAGO  
CHICAGO 37 • ILLINOIS  
THE ENRICO FERMI INSTITUTE  
FOR NUCLEAR STUDIES

June 19, 1958

Dr. Detlev W. Bronk  
The Rockefeller Institute for  
Medical Research  
York Avenue and 66th Street  
New York, New York

Dear Dr. Bronk:

After I saw you in Washington last week I talked with Warren Johnson, at some length over the telephone, about the possibility of my taking a full-time position at the Rockefeller Institute. I explained to Johnson that I might not want to be very much longer without a laboratory and that I have raised with you the question of having a laboratory at the Rockefeller Institute. He told me that he was concerned about the possibility of my accepting the position offered to me in Germany, but that he was not looking at the problem from the point of view of the University of Chicago. He went on to say that he would suggest that I remain connected with the University of Chicago, by assuming a position as a Research Associate of the Enrico Fermi Institute for Nuclear Studies, and otherwise take a full-time position at the Rockefeller Institute, if such a position is offered to me.

As far as Warren Johnson is concerned, we have the green light for you to put through an appointment at the Rockefeller Institute on such a basis if you wish to do so. Since you told



me the salary that would be involved and since I am in general quite familiar with your philosophy concerning the direction which the Institute ought to take, there are no further questions that I need to ask you at this time. I should be grateful for an opportunity to discuss with you later on, once more, the question of laboratory space, but first I would need to find out who the younger men are with whom I would want to work and who would want to work with me.

Since I saw you last week a new possibility has opened up about which I am rather enthusiastic. Because it introduces a new issue, I must write you about it.

When I got to Washington about four weeks ago, Bob Livingston asked me whether I might be interested in some position that the NIH might be able to offer me, and I explained to him what my situation was as of that time. Shortly after I saw you last week, he told me that the NIH is now prepared to make me a definite offer and explained to me the position that he had in mind.

I told Livingston that such a position would interest me very much, particularly in conjunction with an appointment at the Rockefeller Institute, provided that I could hold down a permanent position at the NIH as well as at the Rockefeller Institute at the same time. This would mean,



of course, that for as long as it would appear desirable to maintain such an arrangement, I would be on leave of absence from the NIH and from the Rockefeller Institute for six months each year.

Having discussed the issue, Livingston and I have reached a meeting of the minds on it, and he told me that he would be willing to put through the appointment on this basis. You will find attached for your information a letter and a memorandum which he sent me in confirmation of our conversation.

Assuming that the proposed arrangement might meet with your approval, I have been thinking about some of its practical aspects. It seems to me that it would be best for me to "commute" between Washington and New York so that I need not be away from either Washington or New York for stretches longer than two weeks.

Perhaps, it might not be desirable to continue such an arrangement indefinitely, and depending on how deeply I got engaged in laboratory work either at the Rockefeller Institute or at the NIH, I might have to resign from one or the other <sup>of the</sup> two positions at some time in the future. I believe, however, that in the meantime, the arrangement might prove to be quite productive.



I hope that it might be possible for you to see me before you leave for Russia and I could on that occasion discuss the various aspects of the proposed arrangement which make it appear particularly attractive to me.

I have now considered this matter from my own point of view for a sufficiently long time so that I am prepared to tell Livingston to go ahead and put through the appointment at the NIH, if I receive from you a formal offer and an expression of your general approval of the proposed arrangement.

With kind regards.

Very sincerely yours,

Leo Szilard



June 19, 1958

Dr. Detlev W. Bronk  
The Rockefeller Institute for  
Medical Research  
York Avenue and 66th Street  
New York, New York

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As far as Warren Johnson is concerned, we have the green light for you to put through an appointment at the Rockefeller Institute on such a basis if you wish to do so. Since you told



me the salary that would be involved and since I am in general quite familiar with your philosophy concerning the direction which the Institute ought to take, there are no further questions that I need to ask you at this time. I should be grateful for an opportunity to discuss with you later on, once more, the question of laboratory space, but first I would need to find out who the younger men are with whom I would want to work and who would want to work with me.

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Perhaps, it might not be desirable to continue such an arrangement indefinitely, and depending on how deeply I got engaged in laboratory work either at the Rockefeller Institute or at the NIH, I might have to resign from one or the other two positions at some time in the future. I believe, however, that in the meantime, the arrangement might prove to be quite productive.



I hope that it might be possible for you to see me before you leave for Russia and I could on that occasion discuss the various aspects of the proposed arrangement which make it appear particularly attractive to me.

I have now considered this matter from my own point of view for a sufficiently long time so that I am prepared to tell Livingston to go ahead and put through the appointment at the NIH, if I receive from you a formal offer and an expression of your general approval of the proposed arrangement.

With kind regards.

Very sincerely yours,

Leo Szilard



June 20, 1958

Dr. Detlev W. Bronk  
Rockefeller Institute for Medical Research  
York Avenue & 66th Street  
New York, N. Y.

Dear Dr. Bronk:

Enclosed you will find the letter which you read at lunch today. If you reach a decision in this matter, you might write me a letter of intent and I may then ask Livingston to put through the appointment in Washington on the strength of it. I need not change my status at Chicago until formal action has been taken by your Board. If there is anything further that you may want to discuss in connection with this matter, I could come up to see you in New York, almost at anytime, at your convenience.

Very sincerely yours,

Leo Szilard

Enc.

LS:md



June 20, 1958

Dr. Detlev W. Bronk  
Rockefeller Institute for Medical Research  
York Avenue & 66th Street  
New York, N. Y.

Dear Dr. Bronk:

Attached you will find a letter that Colonel Leghorn wrote to Topchiev concerning the possibility of a meeting at Moscow. In reply, he received a telegram today setting the date of the meeting for July 28.

Unless objections are raised by the United States Government to our going to such a meeting, we are going through with the plan as originally projected. The meeting would last for about two weeks and we are expecting a letter from Topchiev giving all the details.

Very sincerely yours,

Leo Szilard

Attachment

CC: Col. Richard Leghorn  
Prof. J. B. Wiesner

LS:md



July 21, 1958

Dr. Detlev W. Bronk  
The Rockefeller Institute for  
Medical Research  
66th Street and York Avenue  
New York 21, New York

Dear Dr. Bronk:

With respect to the projected meeting in Moscow, about which I had written you previously, I am enclosing a copy of a telegram Col. Leghorn sent to Topchiev. We have heard today from Moscow, by telephone, that the end of September is acceptable to them. Leghorn will, in due time, write you about this.

Concerning the preparatory discussions which Walter Whitman, Leghorn and I would attend in Moscow, provided a convenient date can be arranged for the month of August, we expect to hear from Moscow early next week.

As you can see from the enclosed copy of the letter, The American Academy of Arts and Sciences has set up a Committee for the long-term study of the security problem which we propose to undertake and of which the informal discussions, to be held in Moscow under the auspices of the Academy of Sciences of the Soviet Union, form an important part.

I am leaving Washington tomorrow for several weeks for Colorado to attend the Biophysical Science Seminars in Boulder. Bob Livingston is not yet back from his vacation; I left a memorandum for him, however, suggesting that he discuss with



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you what your attitude might be regarding the proposed combined appointment at the NIH. I expect to be in touch with him sometime after his return to Washington at the end of this week.

With kind regards.

Sincerely yours,

Leo Szilard

Enclosures



September 29, 1958

Detlev Bronk  
The Rockefeller Institute for Medical Research  
66th Street and York Avenue  
New York City

Do not telephone

Livingston told me about his last telephone conversation with you stop Because administration of NIH has changed its attitude towards a dual appointment for me at NIH as well as at Rockefeller Institute Livingston proposed to you as a compromise a one year trial period stop ~~Thisxxxxxxxxxxxxxxxx~~ I doubt that such a "trial marriage" would work and would have to decline on these grounds <sup>alone</sup> (even if proposal were acceptable to administration of NIH which I understand it is not stop I should know within a few days now where I stand with NIH and should then greatly appreciate the opportunity to discuss situation with you at your convenience stop I am grateful for your willingness expressed to me through Livingston of making commitment for one year at once and advising me concerning possibility of a more permanent arrangement with Rockefeller Institute after meeting of your Board of Trustees stop You may reach me <sup>in</sup> Washington through Livingston or at Hotel Dupont Plaza stop If in New York Hotchkiss will know how to reach me  
Best regards

Leo Szilard



September 29, 1958

Detlev Bronk  
The Rockefeller Institute for Medical Research  
66th Street and York Avenue  
New York City

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Best regards

Leo Szilard



Bronk

THE UNIVERSITY OF CHICAGO  
CHICAGO 37 • ILLINOIS  
THE ENRICO FERMI INSTITUTE  
FOR NUCLEAR STUDIES

November 26, 1958.

Dr. Detlev Bronk  
The Rockefeller Institute for Medical Research  
66th Street and York Avenue  
New York, N. Y.

Dear Dr. Bronk:

After our luncheon I called Livingston and I learned from him the following: When Livingston talked to you he was thinking in terms of my accepting the civil service position that N.I.H. is offering me and of my serving as visiting professor at the Rockefeller Institute. He feels that as director of the National Institute of Mental Health his approval to such an arrangement with the Rockefeller Institute ought to be sufficient, and that when the time comes he will be able to obtain the consent of the Administration of the N.I.H. to such an arrangement. He did not mean to say that he actually has obtained this consent. He thought that from the point of view of my retirement the alternative he discussed with you would be more favorable than the converse arrangement where I would be employed by the Rockefeller Institute and serve as a consultant to the N.I.H.

I told Livingston of my conversation with you and that to me it seemed preferable to receive a formal offer from the Rockefeller Institute for a regular position rather than for a visiting professorship and to explore on the basis of such an offer what arrangements involving the N.I.H. might be acceptable to Dr. Shannon.

Both Livingston and I are agreed that the proper time to raise such issues with the Administration of the N.I.H. will be in February. At that time we will know whether we ought to recommend to the N.I.H. to set up a major project in the field of radio biology based on the approach to the problem of aging with which I am concerned at present, or whether this would be premature. I might also have at that time a formal offer from your Institute. We would then be in a position to discuss concrete issues with Dr. Shannon rather than abstract principles. I mentioned to Livingston that you offered to talk to Dr. Shannon when you see him, and that I thought this would not be desirable. Livingston shares this view.



At present there is no laboratory space available at the N.I.H. and there is none in sight. Livingston is confident, however, that construction of additional laboratory space may get under way within the next five years. In these circumstances it should appear reasonable, for me to have an arrangement with the Rockefeller Institute under which laboratory space could be made available to me there in case I should need to set up experimental projects. I might want to set up some such project in the course of the next three years, and they might run anywhere from two to five years.

If I have to set up experimental projects I would need to give my collaborators a reasonable assurance that the project started would be brought to completion. This is one of my reasons why I should like to look forward, at the Rockefeller Institute, to a period of seven years of work. It would be my hope that just about the time when I may be expected to re-trench, as far as laboratory space is concerned, at the Rockefeller Institute, there would open up at the N.I.H. laboratory space to which some of my collaborators could be transferred.

Clearly, in the absence of a letter of intent from Heaven concerning my longevity, my collaborators could not expect any hard and fast assurances but I am anxious to give them reasonable assurance concerning the continuity of the work on which we might jointly embark.

Having outlined above what is desirable the next step is to determine what is obtainable. This I propose to do in February after I have heard from you.

I have now the explicit consent of Dr. Shannon to an arrangement where I would be employed elsewhere and serve as a consultant to the N.I.H. Such a position, authorizing 120 working days a year, is actually budgeted for me.

There are several other arrangements involving both N.I.H. and the Rockefeller Institute which I might discuss with the Administration of the N.I.H. in February. Should it then turn out that being employed by N.I.H. and serving as a visiting professor at the Rockefeller Institute is the most desirable arrangement that is acceptable to the N.I.H., then I trust you would have no difficulty in changing over from offering me a regular position at the Rockefeller Institute to offering me a visiting professorship.

Determining whether this alternative is desirable, would require further considerations. I do not know, for instance, whether under such an arrangement I would be free to apply to the N.I.H. for grants for my work at the Rockefeller Institute.

Yours very sincerely,

Leo Szilard



November 29, 1958

Dr. Detlev Bronk  
The Rockefeller Institute  
66th Street and York Avenue  
New York, N. Y.

Dear Dr. Bronk:

After our luncheon, I called Livingston and learned from him the following: He is inclined to think that in view of my retirement problem, I ought to accept the civil service position that NIH is offering me and serve as visiting professor at the Rockefeller Institute if invited to do so. When he talked with you he felt that as Director of Research, his approval to such an arrangement with the Rockefeller Institute ought to be sufficient, and that at the proper time he would be able to clear this with the administration of the NIH. He did not mean to convey that he has actually cleared it.

I told Livingston that at this point I should prefer receiving a formal offer from the Rockefeller Institute for a regular position rather than for a Visiting Professorship.



We now have the formal consent of the administration of the NIH to my serving as a consultant to the NIH if I were employed by the Rockefeller Institute, and such a position is actually budgeted for me at NIH, authorizing 120 days of service per year. There might be other alternative arrangements involving both the Rockefeller Institute and the NIH which might be preferable and we might at the proper time investigate which of these may be acceptable to the administration of the NIH. I trust that you would have no difficulty at that time in changing over from offering me a regular position to offering me some other affiliation which represents a lesser commitment on the part of the Rockefeller Institute, if this should turn out to be desirable.

Livingston and I are agreed that the proper time to raise such issues with the administration of the NIH will be in February. At that time we will know whether we ought to recommend to the NIH that they set up a major project in the field of radio biology based on my approach to the problem of aging, or whether this would be premature. I might also have at that time a formal offer from your Institute. We would then be in a position to discuss concrete issues with Dr. Shannon rather than abstract principles. I mentioned to Livingston that you offered to



talk to Dr. Shannon when you see him, and that I thought this would not be desirable.

I have no immediate plans for setting up a laboratory. At present I am trying to devise experiments for which there are good facilities available at Brookhaven, Oak Ridge and Los Alamos.

However, I might want to set up some experimental projects in the course of the next three years which might run anywhere from two to five years, for which I would need a laboratory. Livingston is confident that construction of additional laboratory space might get under way in the next five years. I cannot count, however, on adequate laboratory space at the NIH any earlier. In these circumstances, an arrangement with the Rockefeller Institute under which laboratory space could be made available to me there, if necessary, would ideally fit my needs. It would be my hope that just about the time when I reach retirement age at the Rockefeller Institute and would be expected to retrench as far as laboratory space is concerned, there would open up at the NIH adequate space to which some of my collaborators could be transferred.

Clearly, in the absence of a letter of intent from Heaven concerning my longevity, my collaborators could not expect any hard and fast assurances on my part,



Dr. Detlev Bronk

but I am anxious to give them reasonable assurance concerning the continuity of any project on which we might embark. This is one of my reasons why I should like to be able to look forward to a period of seven years of work at the Rockefeller Institute.

I greatly enjoyed our luncheon and also our short talk with Dr. Brink.

Yours very sincerely,

Leo Szilard

LS:bs

cc: Dr. Robert B. Livingston



Bronk

Denver, Colorado  
February 18, 1959

Dr. Detlev Bronk  
The Rockefeller Institute  
66th and York Avenue  
New York City

Dear Dr. Bronk:

I have been to Los Alamos and points west, am now in Denver, and am again headed for points west. I have one trip planned to the East either for this month or next but have not set the date, as yet. In case you should want to see me, I would want to set the date so as to suit your convenience. Should you know by now whether you would want to see me and just about when you might be in a position to do so, I should greatly appreciate your advising Mrs. Bright. I propose to call her within the next few days and am postponing the setting of a date for my next trip East until I have talked with her.

Early in January I received the attached letter from Hungary, which might interest you. It represents the result of a quiet conversation which I had in this matter with Topchiev in September, on the special train which took us from Kitzbühel to Vienna. I felt all along that our colleagues from the "Academy" are dealing with us in good faith, and here is what seems to be a rather conspicuous example.

With best wishes,

Sincerely yours,

Leo Szilard



# THE ROCKEFELLER INSTITUTE

*A Graduate University and Research Center*

NEW YORK 21, NEW YORK

OFFICE OF THE PRESIDENT

Dear Gertrude and Leo,

Thank you so much for your kind thoughtfulness during my illness of several weeks ago. I was greatly heartened by your thought of me and the delicious candy, you so graciously sent me, was a refreshing relief from hospital fare and a happy reminder of the Europe we all love so well.

With deep appreciation and affectionate regards,  
I am

Yours sincerely,



Detlev W. Bronk

Dr. and Mrs. Leo Szilard  
Abby Aldrich Rockefeller Hall

4 April 1960



# THE ROCKEFELLER INSTITUTE

*A Graduate University and Research Center*

NEW YORK 21, NEW YORK

OFFICE OF THE PRESIDENT

Dear Dr. Szilard,

Thank you so much for your warmhearted letter and for the book of Leo's short stories. I know that I need not tell you that it was a great privilege and also a rich pleasure to have you here with us during your trying days. Anything we could do to show our appreciation to you and Leo for all that you and he have done in the furtherance of human welfare was but a small expression of deep gratitude.

With warm and affectionate regards to you both,  
I am

Yours as ever,

A handwritten signature in dark ink, appearing to read "Detlev W. Bronk", with a long, sweeping horizontal line extending to the right.

Detlev W. Bronk

Dr. Gertrud Weiss Szilard  
Hotel DuPont Plaza  
DuPont Circle and New Hampshire Avenue, N.W.  
Washington 6, D.C.

3 April 1961



L. Szilard  
THE UNIVERSITY OF CHICAGO

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THE ENRICO FERMI INSTITUTE  
FOR  
NUCLEAR STUDIES

Dr. Detlev W. Bronk

President

The Rockefeller Institute

New York City 21, New York



$$\ln \frac{1}{f}$$

1 2 3 4 5

A	A <sup>2</sup>	46-A	(46-A) <sup>2</sup>	$\frac{(46-A)^2}{4232}$
8	64	38	2432	.5747
9	81	37	2997	.7082
10	100	36	3600	.8507
11	121	35	4235	1.0007
12	144	34	4896	1.1569
13	169	33	5577	1.3178
14	196	32	6272	1.4820
15	225	31	6975	1.6482
16	256	30	7680	1.8147
17	289	29	8381	1.9804
18	324	28	9072	2.1437
19	361	27	9747	2.3032
20	400	26	10400	2.4575
21	441	25	11025	2.6052
22	484	24	11616	2.7448
23	529	23	12167	2.8750
24	576	22	12672	2.9943
25	625	21	13125	3.1014

$\frac{1}{f}$

$n=2 \mid 13.75$   
 $f = 0.1237$   
 $15.7 \mid 1.764$

$n=3$

$20.5 \mid n=4$   
 $f = 0.082$   
 $n=2$

11.5 for Heterozygote (what age?)

$\frac{x}{6} + 2.5 = 11.5$   
 $x = 6 \times 9 = 54 \text{ years of age}$

$.1200 \mid \frac{1318}{12} = 1.438 = 1.44$   
 $.1665 \times .7 = 0.1165$

$1.7647 \mid n=2.5, f^* = 0.171$   
 $\frac{1}{f^*} = \frac{1}{0.171} \approx 5.85 \approx 6$   
 $\frac{1}{f^*} = 5.85 \approx 6$   
 $0.5 \times x = 0.171 = .342 \mid x = 1.07$   
 $\frac{1}{3} = 54 \text{ years of age}$

$R^* = 0.117$  and  $\frac{1}{f^*} = \frac{1}{0.117} \approx 8.55$   
 unknown

what is n?