April 14, 1940

Dear Wheeler:
Many thanks for your kind enquiry about uranium. I am inclined to feel that your taking an active interest in this matter might be rather important, and I should very much like to discuss this subject with you in great detail. Though I expect to be in Princeton twice next week these visits will be rather hurried, and it will perhaps be better if I try to get in touch with you towards the end of the week or in the course of the following. By then I hope the situation will be somewhat clearer then it is right now. In the meantime I shall try to have the manuscript to which you refer copied, for you, as I have sent my last spare copy to Placzek.
With kind regards,

## Deas wheeler:

Placzek tells me that you had a long convergation with him on the subject which we zast alscussed. It seems to me that oven if your formula should not hola atrictly in ease of strong resonance captuse, it still might be used for pract10al purposes providea that it is possible to give the upper 1init for the deviation and that this upper limit is not tóo largo. At prosent tha erpor of about 50 to $10 \%$ coula be colersted in measuring the fraction of the noutrons which reach themal energies in a mixture containing 3 h atoms per uransum atom.

If I understood you correctly it would be necessary to use a monochromatic neutron souree in your experiment, and that memn that a radon-beryllium souree would be vaeless for your purposes. This, however, is only a practical difrieulty, and it mey be possible to overcome it provided that you find that your formula holds with sufficientiy good approximation in such a mixture. I understand that you are now looking into this matter, and I should appreciate your lotting me know any conclusion which you may reach. Wo could then, If required, re-discuss the mitter from a more erperimental point of view.

> With kind regards,
yours sincerelys

PALMER PHYSICAL LABORATORY
Princeton University
PRINCETON NEW JERSEY
rept. 4,1940
Dear Szilard,
Hour kind letter of fine 24 reached me in maine, and d must apologize for not having acknowledged it before this. I hope to discus with you , wo you suggested, the experimental side of the proposed experiment to determine the quantities of interest for the losses of neutrons. Unfortunately of have been finishing another paper and have so far not had time to warts out an estimate of the securacy of the proposed method. How that I have ivritten up the original draft in legible form, however, \& am sending it an to you for any additional connente you might have.
Q hope it wont be lon, before $D$ can get back to this and clear up the questions you and Plarget raised.

Of you are not coming down here ohartly, A will try to git to new York sonnelime and diocese the progress of the fiascion wale, etc. birch best wis has. fol D.Chuceers

