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Physics Department,
Faculty of Science,
Kyoto University,
Kyoto, Japan,
July 1, 1947.

Dear Dr. Kusaka,

I received your post card with great pleasure last year. Since then I have been urgently wanting to exchange informations with you. I apologize you for my delay in answering because it was difficult to send a letter containing details of research work. Fortunately, Mr. Tanaka, a student of physics in Osaka University is permitted very recently to go to your country, so that I can entrust this letter to him. He wants to study at Berkeley as a pupil of Prof. Oppenheimer if possible. I told him that he might as well go to Princeton and study under your guidance.

I had been very much interested in your works on the meson theory until 1941. It is a great pleasure for me to find again you and other physicists in your country, especially Prof. Pauli still engaging in the difficult task of fundamental importance in theoretical physics. Although in our country the researches in this field were not very active during the war, several interesting works were done, for example, by Dr. Sakata and Dr. Tomonaga. After the war the activities in our field are more rapidly recovering than that in other fields of science. In order to have our works known to your country and other countries, we have been publishing from last year a new journal "Progress of Theoretical Physics." First three issues of the journal were already sent to you and other physicists of your country. At the same time, we are very much anxious

to read papers concerning theory and experiment on elementary particles in Phys. Rev. and Rev. Mod. Phys. as well as books such as "Meson Theory of Nuclear Forces" by Prof. Pauli. I would be very much obliged, if you would kindly send me copies of recent issues of these journals and books.

As to myself, I regret to say that little progress is made in overcoming serious difficulties in the meson theory, but I am trying to extend the field concept, which is connected hitherto with the ordinary 4-dimensional space-time, to that in the 8-dimensional quantized space consisting of momentum-energy as well as space-time. It is a sort of generalization of the mixed field theory of originated by Møller and Rosenfeld, in which the universal length and the radiation damping are introduced in a rational way.

I am sure that the rapid progress of theoretical will be made in near future owing to the collaboration of scientists all over the world. Please give my best regards to Prof. Wigner, Prof. Wheeler and other colleagues of your institute, who were all very kind to me when I visited your country in 1939, and also to Prof. Pauli, ~~off~~ with whom I regret to have no opportunity to meet as yet.

Hoping your further success in research, I remain always

Yours very truly,

H. Yukawa.

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