

16 Feb 1952

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PLEASE ADDRESS REPLY TO  
KODAK PARK WORKS

March 10, 1953

Sir K. S. Krishnan, F. R. S.,  
National Physical Laboratory of India  
New Delhi, India

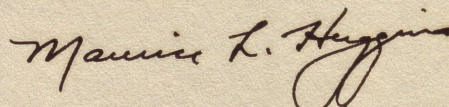
Dear Sir Krishnan:

I have recently been examining your very interesting paper, with Dr. Roy, on "The frequencies and the anharmonicities of the normal modes of oscillation of alkali halide crystals," published in the 1951 Proceedings of the Royal Society. Your calculation of the reststrahlen frequencies is of special interest, since I had previously made a somewhat similar calculation, with comparable results. (See J. Chem. Phys. 5, 143 (1937) and 15, 212 (1947)) I am wondering if you have made any calculations, using my more complex (but probably more accurate) potential function. Do you consider it significant that your calculated frequencies are slightly closer to the experimental values than mine, on the average? Any comments you have to offer will be appreciated.

I recall with pleasure the evening we spent together, with Professor Fankuchen, in Brooklyn in 1946. If you have the opportunity to come this way again, I trust you will pay us a visit.

In closing, let me express my tardy, but sincere, congratulations on your elevation to knighthood.

Cordially yours,



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