

BELL TELEPHONE LABORATORIES

INCORPORATED

463 WEST STREET NEW YORK

April 2, 1940

CHELSEA 3-1000

IN REPLY REFER TO

K. S. KRISHNAN, Esq.  
Indian Association for the  
Cultivation of Science  
Calcutta, India

REPLYING TO

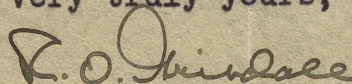
Sir:

Your recent measurements of the anisotropy of the properties of crystal graphite have been of great interest to me. I am particularly interested in the anisotropy of electrical conductivity as described in your letter published in "Nature" on October 14, 1939.

We are attempting to determine the anisotropy quantitatively and to determine as well the temperature coefficients of electrical conductivity parallel and perpendicular to the base plane of the graphite crystal. As yet, however, we have been unable to obtain samples suitable for measurement along the "c" axis and as a consequence I am writing you to determine whether or not we can obtain suitable specimens from you. If you are unable to supply them, we would appreciate very greatly any information in regard to the anisotropy of electrical and thermal conductivities and their temperature coefficients which you have available.

I hope this letter reaches you safely and that you will be able to assist us in this matter.

Very truly yours,



R. O. GRISDALE