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HARVARD UNIVERSITY  
CAMBRIDGE, MASSACHUSETTS

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Professor K. S. Krishnan  
210 Bowbazar Street  
Calcutta, India

Dear Professor Krishnan:

Mr. Cole has just shown me the manuscript of Part 6 of your important series. Thank you very much for sending it to us. I think you are to be highly congratulated on the large number of interesting results which you have obtained on magnetic anisotropy.

I hope that sometime you will find it possible to extend your measurements on the Tutton salts and on the hexahydrated chlorides and sulphate octohydrates of the rare earths to low temperatures. In particular it will be interesting to see whether the very large rotation of axes which Bartlett finds for  $\text{Cu}(\text{NH}_4)_2\text{SO}_4 \cdot 6\text{H}_2\text{O}$  is really correct. It is such an unusual phenomenon that it does seem worth verifying independently.

It should be possible to compute theoretically how much anisotropy in  $\text{Gd}(\text{SO}_4)_3 \cdot 8\text{H}_2\text{O}$  is due to spin-spin interaction. I hope that sometime I can get one of my students to make some calculations upon this point.

Yours sincerely,

*J. H. Van Vleck*  
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