

2897.

Madras Observatory 5<sup>th</sup> Feb<sup>r</sup> 1833

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My Dear Sir

I have the honor to acknowledge the receipt of your obliging letter of Feb<sup>r</sup> 1832 which came to hand a few days ago; previously to this I was favored through Captain Sabine with a copy of your memoir explaining the nature of the series of observations you propose to undertake and immediately on the receipt of Captain Sabine's letter I applied to the most skillfull artists here and in Calcutta to make the needles necessary

for

Professor Kupffer  
 &c &c &c

for the purpose; after considerable delay  
I have at length procured needles of  
12 Inches English supported upon plumes  
of ~~agate~~ but they are so weak that about  
80 or 100 vibrations reduces the arc from 30°  
to 1° or 2°. I have tried to strengthen their  
magnetism by Electricity and by Galvanism  
without success, untill in despair I had  
given up the matter; the receipt of your  
letter has however determined me to  
send to England for apparatus and I  
hope by the time this letter reaches you; the  
Court of Directors of the East India Company  
in England will have searched and  
given the requisite order for the supply.  
I try to assure you that I feel the greatest

possibility

possible interest in the Magnetical experi-  
ments in which you are engaged and  
nothing will give me greater pleasure than  
hearing of your progress and success, and  
in contributing to the same -

I have the honor to be

Yours very sincerely

J. Taylor

H. C. Atwood<sup>sr</sup>