

MOSCOW,

Institute of Physical Problems,

Kaloujskoe Shosse, 32

7/XI/37

Dear Krishnan,

I am <sup>feeling</sup> <sup>most</sup> <sup>guilty</sup> at having not written for so long -  
however as you will see, I have changed my address and ~~am~~ <sup>have</sup>  
~~been~~ <sup>now</sup> working here for over 2 months now. The conditions  
here are very good for work, the laboratory being excellently  
equipped and very well technically served as regards  
workshop and glass blowing. I have fixed up the apparatus  
we talked of in England to measure couples at low temperature  
and am now investigating the deHaas-vanAlphen effect  
of bismuth in great detail. The method works very well,  
(except that there are some complications in the interpretation  
at the moment), and I hope to try some other substances  
graphite and antimony etc soon. I should be greatly  
obliged if you could send me some of your specimens of  
graphite (as thick as possible), if possible ones which  
you have calibrated at room temperature - liquid nitrogen (since  
my apparatus does not give absolute values at the moment - I  
could of course calibrate it by the bismuth, but an independent  
check would be valuable).

By the way I think the  $\mu$ on  $\mu$ on  $\mu$ on effect with the "initial" apparent  
diamagnetism of swollen graphite, must really have been due to  $\mu$ on

currents - At least a superconducting plate certainly turns into the  
field direction of it can (I found this in Cambridge soon after you left)  
Did you try your experiment with the copper ring again; perhaps  
the dimensions were not suitable for showing the effect; also the  
conductivity of copper may be too good - the currents would die away  
very rapidly.

I should be very glad to hear how you have been  
getting on since you came home. Please forgive me for not  
writing much about myself - the reason being that I am very  
tired at the moment having just returned from a long march in  
the demonstration in honour of the 20<sup>th</sup> anniversary. However  
I will write a longer letter next time. If you can send  
the pamphlets - please use registered post and pack them  
very well. With all best wishes & kind regards.

Yours

Dave Thomson

# POST CARD

THE ADDRESS TO BE WRITTEN ON THIS SIDE



Prof K. S. Krishnan,

at 121 Station Road,  
West Drayton  
(Middx)

Chandrasekhar arrives Southampton  
D.S. Plymouth on June 19<sup>th</sup> on "Normandie"

D.S.

1 West R  
Cambridge

6/17/39

Dear Prof Krishnan

I have tried up for you to stay in Chandrasekhar's  
old rooms at 1 Park Street - all the hotels are  
100% full as it is just now May Week. Please  
let me know what time you come on & if possible I  
will meet you - in case I can't - I hope to see you  
at the lab. Yours David Hews

West Road  
Cambridge

15/ V /39

My dear Krishnan,

I was very glad to hear from you again, and especially that you will be in England soon. I am unfortunately no longer at the vicarage, and have no longer the possibility of putting you up in Cambridge, but if you let me know when you expect to visit here

I can fix up a room for you at a hotel.  
Do you know, by the way, that Chandrasekhar  
is also visiting Europe soon? He is to be  
in <sup>England</sup> ~~Paris~~ from June 19<sup>th</sup> ~~to 23<sup>rd</sup>~~ and at a  
Paris conference from July 17<sup>th</sup> - 23<sup>rd</sup>.

I shall be looking forward to meeting  
you again, and have quite a lot of  
things I should like to discuss with you.

So let me know your plans in more exactness,

With kindest regards,

Yours David Shwenberg