

PI MS WTB

to Madson file

Sydney

July 24 '10  
[1910]

My dear Prof.

WTB  
I have put off writing lately in the hope of having some work to tell you of, but I have not been able to push things on so rapidly as I hoped.

We started with a very heavy year in El. Eng. about 18 men in third year & a dozen in fourth. so that it has taken us all we could do to keep them going.

However I am glad to say that part of the work is well in hand now, so that I can go on with other things. Six of the final men are going on with small investigations & seem very keen on their work.

Le Saede pump has just arrived & its results seem very good. so that I may be able to clear up the work.

on scattered cathode rays during the next vacation. Shows very much for sending the Al. foils they will be very useful.

It is very interesting to see that J. J. is realizing the existence of neutral doublets even if not in the form of fast moving rays.

I should think there might be a chance of getting something from a <sup>measurement</sup> measurement of the rate of diffusion of those doublets which Bunte seems to have obtained as a result of ring discharges.

I tried hard to follow out the light-quantum but the German was too much for me so I started work with a German here & have kept hard at it for the last two months. There seems a possibility of the B.A. being invited out here. The Federal Govt. has put £1000 on the estimates on the understanding that if it is passed £10,000 will be available to meet expenses.

So we may be able to see you out here again  
if only for a short visit. I was  
glad to hear that Duffield had obtained  
a post. My brother-in-law who has just  
come back after a couple of years work  
at home has been getting me interested  
in the medical side of the ray work.  
A lot of this work can be simplified  
considerably in the light of our own  
experiments, so I have fixed up a  
suitable electrometer for the work.

I am giving a lecture to the Brit. Med. Assn.  
in a few weeks, so feel that at any  
rate I have not become entirely an  
engineer yet. I am glad to hear you  
have got over most of the initial work  
of organization &c. We are all very  
well here, I hope the same of your family.

With kindest regards to you all  
Yours very sincerely  
J. McEwen