

IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY



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Dr H C Siegmann  
Laboratorium für Festkörperphysik  
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Hönggerberg  
8006 Zurich  
Switzerland

Dear Dr Siegmann

After returning home from my visit to you last week I wish to say once again how much I enjoyed it and how grateful I am to you and your colleagues. My invitation both to you and to Campagna to visit us here still stands and we look forward indeed to such a visit.

In the mean time we have had another look at the paper by Tedrow on tunnelling and I am now not so sure that his work and your work are necessarily to be interpreted by the same theory. As stated in their paper their effect will arise from a mixture of contributions from both the s and the d electrons with perhaps the former more important. As is well-known, the s-band polarisation is a matter of controversy as to signs. Your measurements, however, are surely representative of the d-electrons. Hence I am tempted, if only slightly, to return to some extent at least to my one electron interpretation of your data. This is not to say, however, that the many-body effects we discussed are necessarily unimportant and David Edwards is continuing his assessment of this point.

With best regards again

Yours sincerely

*Peter Wohlfarth*

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