

## Appeal to Editor-in-Chief of APS

From: sfradwan@cyf-kr.edu.pl  
To: prl@aps.org  
Subject: appeal to Editor-in Chief, LE6925 Radwanski  
Date sent: Mon, 29 Nov 1999 10:08:35 +0100

Krakow, 27 November 1999

From: Dr R.J. Radwanski  
Center for Solid State Physics  
Snt Filip 5, 31-150 Krakow  
FAX: 48-12-6324012, Tel: 48-12-6336146  
email: sfradwan@cyf-kr.edu.pl

Chair of DAE  
Phys. Rev. Lett.  
1 Research Road, Box 1000, Ridge  
New York 11961-0701

LE 6925: "Relativistic effects in the electronic structure of  $3d$ -ion"  
by R. J. Radwanski and Z. Ropka.

By this I put  
**the appeal to the Editor-in-Chief of the American Physical Society**

due to incorrect scientific treatment of my paper submitted to Phys. Rev. Lett. 30.05.1997 entitled: "Relativistic effects in the electronic structure of  $3d$ -ion".

The paper is rejected due to different scientific opinions of referees, though rejection arguments are still not clear for me. A statement "not suitable" is not the scientific argument. For the statement of undefined experts that "my calculations do not have important bearing on solid state phenomena" (Raport of DAE, dr Sandweiss 2.11.99) nobody wants to take the responsibility. In order to make the real responsibility I propose Dr Sandweiss the scientific bet for 1 million dollars. I appreciate very high the referees of Phys. Rev. Lett. Otherwise the Phys. Rev. Lett. manipulate the Science.

I know the value of my paper and the importance of the obtained results for solid state physics, for the understanding of real systems.

This well-known atomic-physics effect (the spin-orbit coupling, it has been even calculated, e.g. M. Blume and R. E. Watson, Proc. Roy. Soc. A **270** (1962) 127) has not been taking into account in consideration of electronic and magnetic properties -please see e.g. Phys. Rev. B **53** (1996) 7158, p. 7164 left col. 16 b - with clear statement "We leave the spin-orbit coupling for future investigations" (I can provide more examples also from Phys. Rev. Lett). Note, that my present Letter has been submitted just after.

I can provide great number of examples of just printed papers in PRL that do not take into account the spin-orbit coupling. As the consequence, the fine electronic structure is ignored. In such the situation the systematic rejection of my paper(s) I treat as the discrimination of the another scientific point of view. In fact, up to now I do not know clear arguments what is wrong in my paper. I am ready for the open scientific discussion.

Each referee has the possibility to comment later my paper.

I hope for the positive reaction on my appeal. It will enable the normal scientific discussion.

Mon, 29 Nov 1999 10:09:56

Sincerely Yours,  
R. J. Radwanski  
Z. Ropka

PS. The best greetings for the Thanksgiving Day.