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### Letters to the Editor

#### To the Editor:

##### **Screw Dislocations in 1-2-3 YBCO**

We read with interest an item on page 6 in the Research/Researchers department of the June 1991 *MRS Bulletin* about screw dislocations in 1-2-3 YBCO superconductors. We at Du Pont discovered screw dislocations in bulk La-Sr-Cu-O, and this information was published in *Science* more than a year ago (P.L. Gai and E.M. McCarron, *Science*, **247**, 1990, p. 553). Using detailed electron microscopy, we interpreted the defects as partial screw dislocations at the surface. Their concentration increased with increased Sr doping. We also made some preliminary magnetic flux measurements on samples containing different defect densities, which imply that these dislocations enhance flux pinning. Please see P.L. Gai, M. Kunchur, E.M. McCarron, in *Defects in Materials*, edited by P.D. Bristowe, J.E. Epperson, J.E. Griffith, and Z. Liliental-Weber (MRS Proceedings Vol. 209, 1991) p. 883. Introduction of such defects may, therefore, provide a simple (and safe) chemical alternative to irradiation.

P.L. Gai  
Du Pont  
Central Research and Development  
Wilmington, DE

#### Dear Reader:

The *MRS Bulletin* invites you to send letters to the editor. In order for your letter to be published, it must be signed and include your affiliation, address, and phone number. Typed letters are preferred.

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#### THANKS...

To all the symposium organizers who contributed summaries for the 1991 MRS Spring Meeting report published in the July 1991 *MRS Bulletin*, p. 46-55.

The *Bulletin* and the organizers welcome your comments and suggestions for future MRS meeting coverage. Contact: E.L. Fleischer, Technical Editor, MRS Bulletin, Materials Research Society, 9800 McKnight Road, Pittsburgh, PA 15237 USA; phone (412) 367-3036; FAX (412) 367-4373.

#### CORRECTIONS

In the April 1991 *MRS Bulletin*, Figure 8 in the article, "Theoretical and Experimental Studies of Ceramic: Metal Wetting" by K.C. Russell, S-Y. Oh, and A. Figueredo on p. 46-52 should be referenced as follows: J.J. Brennan and J.A. Pask, *J. Am. Ceram. Soc.* **51** (1968) p. 569-573. The authors regret the error and thank Prof. Pask for bringing it to their attention.

E-MRS President Bernd Stritzker's affiliation in the July 1991 *MRS Bulletin*, p. 40 should have been listed as the Institute of Physics, University of Augsburg, Germany.

If Jean Jacques Rousseau ever did say "I think, therefore I am," as *POSTERMINARIES* claimed in July, he must have been quoting René Descartes (*Le Discours de la Méthode* [Part IV], 1637) as we should have done! However, what Rousseau did indeed say was "Always keep in mind that ignorance has never produced evil, that error alone is fatal" (*Emile*, 1782). With apologies to devout Cartesians, some of whom have already complained, *POSTERMINARIES* awaits its fate.



**Take advantage of lower pre-registration fees...**  
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