

## American Airlines Offers Special Rates for MRS Spring Meeting Attendees

▶ 45% off full-day coach fare  
(U.S. only)

▶ 5% off all other fares with all  
tariff rules in effect

14-day advance reservation and  
ticketing notice is required. If a  
lower American Airlines promo-  
tional fare is available, the  
American Airlines Meeting  
Desk will confirm the lower  
fare, providing normal quali-  
fications are met.

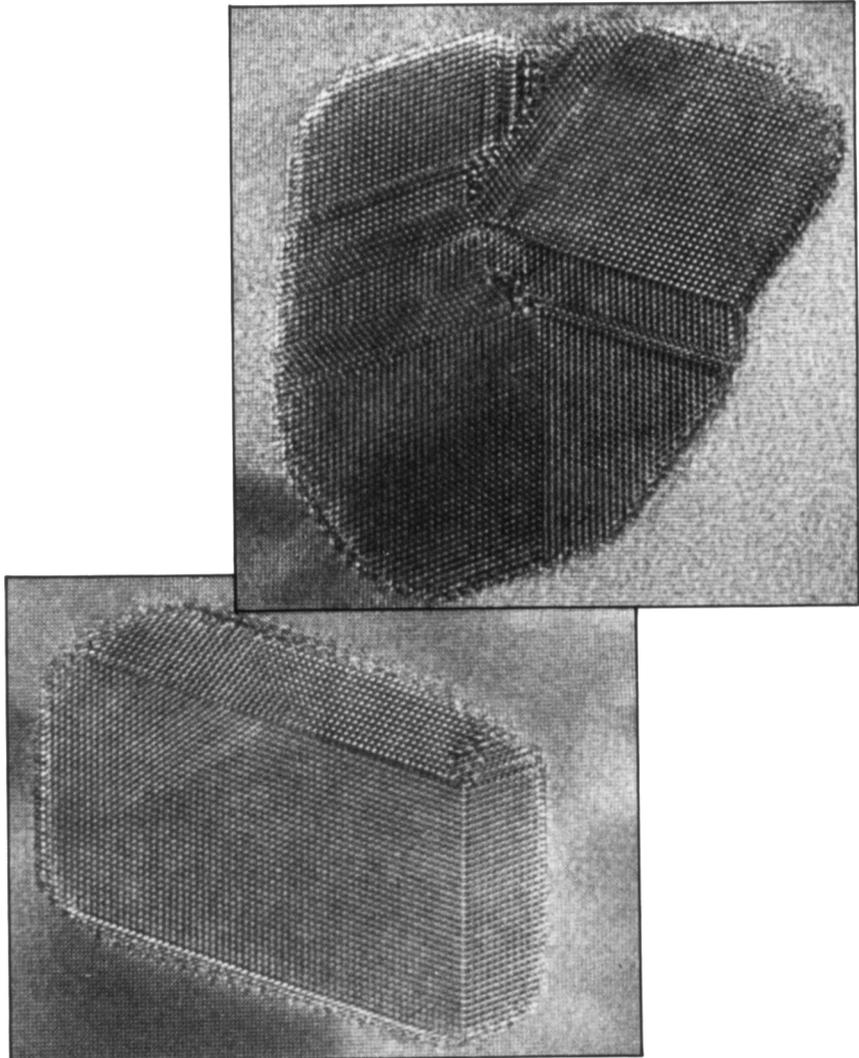
These discounts are available  
**only** through the American  
Airlines toll-free number:

1. Call (800) 433-1790 today.
2. Refer to Star Number  
21Z0V0.
3. International travelers should  
ask for the International  
Congress Officer at any  
American Airlines center.

The discounted fares will be  
given for travel to and from the  
San Francisco meeting from  
Friday, April 13, through  
Monday, April 23, 1990.



*Figures appearing in the EDITOR'S CHOICE are those arising from materials research which strike the editor's fancy as being aesthetically appealing and eye-catching. No further criteria are applied and none should be assumed. When taken out of context, such figures often evoke images beyond and unrelated to the original meaning. Submissions of candidate figures are welcome and should include a complete source citation, a photocopy of the report in which it appears (or will appear), and a reproduction-quality original drawing or photograph of the figure in question.*



Atomic resolution microscopy, for this month's EDITOR'S CHOICE, brings us luggage and body parts. Using the facilities of the National Center for Electron Microscopy at the Lawrence Berkeley Laboratory, C. Nelson took these TEM micrographs as part of a research program on precipitation crystallography in simple alloys. Both the "suitcase" and the "heart" pictured here are end-on views of diamond-cubic Ge needle-shaped precipitates in an fcc Al-3 at.% Ge alloy matrix. The precipitates were formed by aging the quenched alloy, and the boundaries, which produce apparent relief in the images, are in fact twin boundaries which relate to accommodation of the different crystal structures of precipitate and matrix. This work was reported by U. Dahmen and K.H. Westmacott in the *Proceedings of the 45th Annual Meeting of the Electron Microscopy Society of America* (G.W. Bailey, Ed., San Francisco Press, 1987).\*

\*Work quoted was supported by the Materials Sciences Division of the Office of Basic Energy Sciences, U.S. Department of Energy under contract No. DE-AC03-76SF00098.