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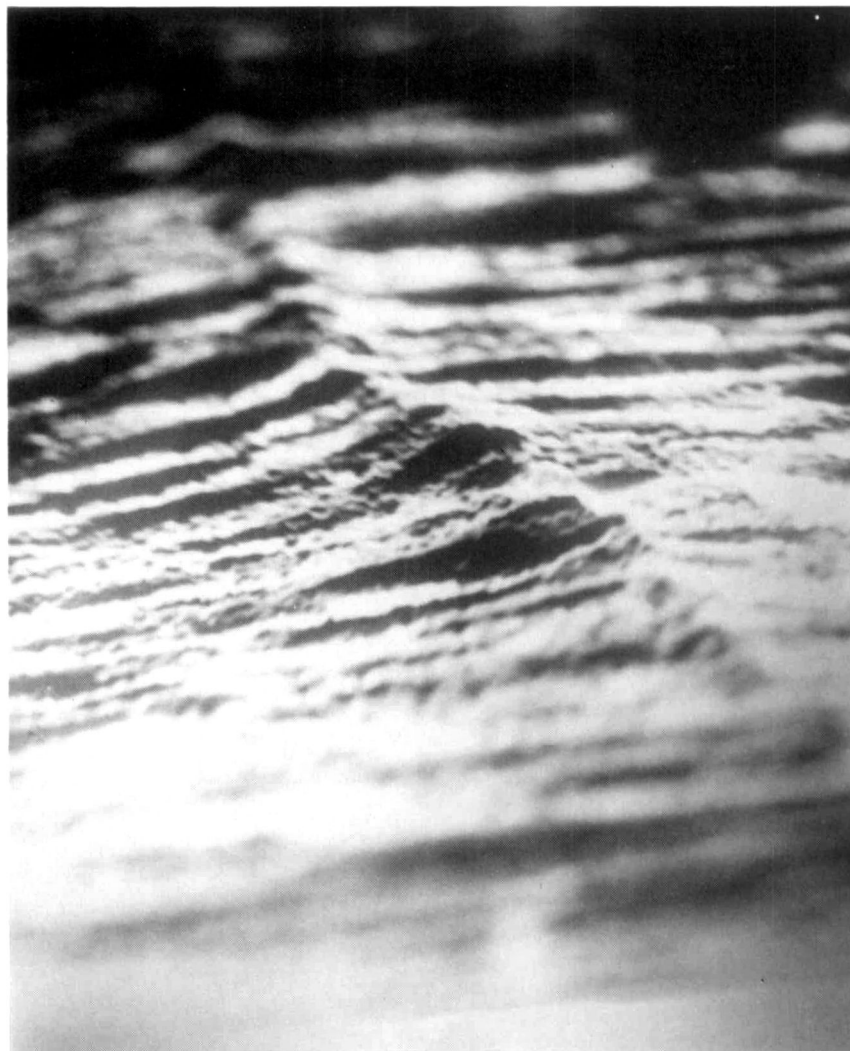
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Figures appearing in the EDITOR'S CHOICE are those arising from materials research which strike the editor's fancy as being aesthetically appealing and eye-catching. No further criteria are applied and none should be assumed. When taken out of context, 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.



This surreal image might be mistaken for art in the world of black-and-white photography. The limited depth of focus seems almost intentional and draws our attention to the center of the frame. It could represent mud-cracked earth in an arid landscape, a furrow plowed in a fertile field, or the surf where noncollinear waves collide. Actually, this month's EDITOR'S CHOICE is a scanning reflection electron micrograph of a tilt grain boundary in a silver film. The misalignment of the grains is 20 degrees about a (001) zone axis and the film is about  $4\mu\text{m}$  thick. It was made by deposition onto a NaCl bicrystal which was subsequently dissolved. The scanning reflection method obviates the need for sample thinning as well as the need to interpret the two-dimensional image projected through a three-dimensional sample, as is the case in transmission geometry. The detailed interpretation of reflection images is, of course, still a field in its infancy. This figure was taken from a preprint by Victor M. Castano and Roberto Hernandez of the Instituto de Fisica, Universidad Nacional Autonoma de Mexico, which has been submitted to *Journal of Materials Science Letters*.



# TEM Specimen Preparation

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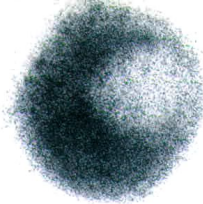
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**Please visit booth no. 309 at the MRS Show in Boston, November 29-December 1, 1988.**



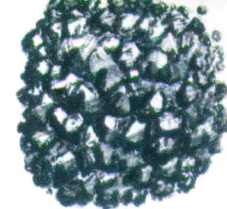
# Do these look familiar?



CATALYSTS  
Adsorption

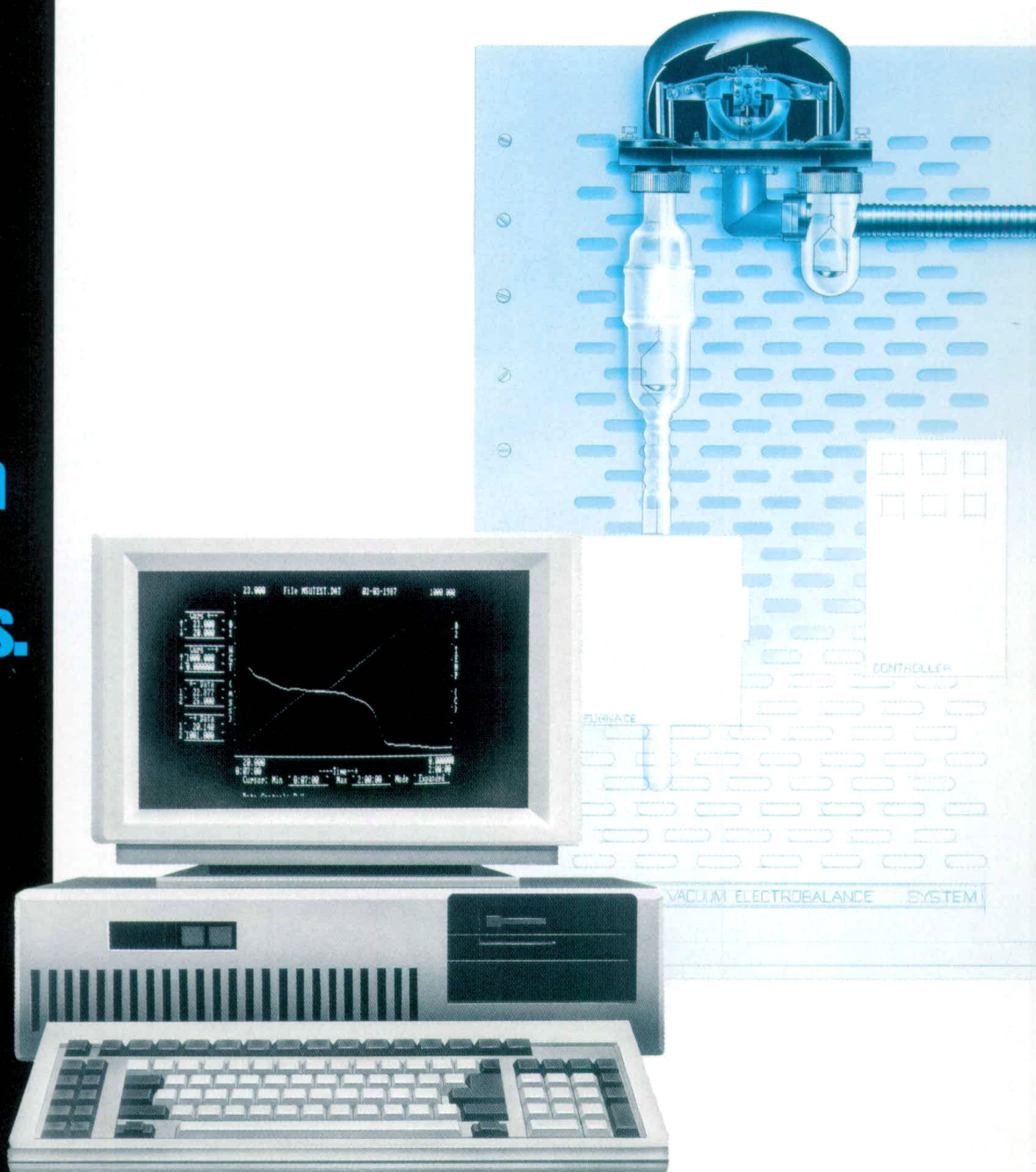


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