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ROY G. POST  
Department of Nuclear Engineering  
University of Arizona,  
Tucson, Arizona 85721

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## ON THE COVER:

This month's cover is a prize-winning electron scanning 500x photograph of UC in the grain boundaries of the gamma phase of U - 10 wt% Mo. The photo by H. V. Rhude, J. E. Sanecki, and D. R. O'Boyle of the Physical Metallurgy and Ceramics Group of the Materials Science Division at Argonne National Laboratory won first prize at the National Conference of the Electron Probe Analysis Society of America in 1972 and third prize in the IMS-ASM International Metallographic Exhibit, 1972.

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