American Association for the Advancement of Science

This Week in Science

Surfaces

Cleanup of the Savannah River Plant: E. J. Hennelly; E. Marshall
Treatment of Depression: R. L. Anderson; Mazel Tov!; S. A. Ockner
Cretaceous Extinctions and Wildfires: E. Argyle; S. M. Cisowski and M. Fuller; C. B. Officer and A. A. Edalle; E. Anders, W. S. Wolbach, R. S. Lewis

Regulatory Tangle Snarls Agricultural Research in the Biotechnology Arena

California to Vote on AIDS Proposition

NASA Announces a New Schedule for the Shuttle

Briefing: Mosher Sues Stanford; AAU Praises New Version of A-21 Rules; OECD Urges Case-by-Case Review for Releasing Engineered Organisms; Dispute Over Earthquake Engineering Center Grant Aired on Capitol Hill; Counting the Homeless; Comings and Goings; Orlov Hopes to Continue Scientific, Human Rights Work in His Life Here

Mapping Orbital Effects on Climate

Egg Laying Is for the Birds

How Cells Respond to Signals: Expanding Roles for G Proteins; Ion Channels: Multiple Forms of Regulation; Inositol Phospholipid Metabolism and Calcium Regulation; Novel Role Proposed for Insulin Action

Quantum States and Atomic Structure of Silicon Surfaces: R. M. Tromp, R. J. Hamers, J. E. Demuth

Atomic Arrangements at Metal Surfaces: J. R. Noonan and H. L. Davis

Electron- and Photon-Stimulated Desorption: Probes of Structure and Bonding at Surfaces: T. E. Madey

Low-Energy Atom Scattering from Surfaces: T. Engel

Polarized Electron Probes of Magnetic Surfaces: R. J. Celotta and D. T. Pierce

Corrosion of Electronic Materials and Devices: R. B. Comizzoli, R. P. Frankenthal, P. C. Milner, J. D. Sinclair

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COVER  The magnetic domains on the surface of an Fe-3%Si crystal as observed using the technique of scanning electron microscopy with polarization analysis. The four colors indicate four possible domain orientations corresponding to the four in-plane, easy axes of magnetization of the cubic lattice. See page 333. [Photograph by R. Freemire and B. Young, National Bureau of Standards, Gaithersburg, MD 20899]

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