This Week in Science

Surfaces

Cleanup of the Savannah River Plant: E. J. Hennelly; E. Marshall
Treatement 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. Ekdale; 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; Olrov Hopes to Continue
Scientific, Human Rights Work in His Life Here

Mapping Orbital Effects on Climate
Briefing: OTA Touts Advanced Structural Materials
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. Ceotta
and D. T. Pierce
Corrosion of Electronic Materials and Devices: R. B. Comizzoli,
R. P. Frankenthal, P. C. Milner, J. D. Sinclair
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]
Editor's Summary

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