This Week in Science

Surfaces

Clean up 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. Ekdale; E. Anders, W. S. Wolbach,
R. S. Lewis

Regulatory Tangle Snarls Agricultural Research in the Biotechnology Arena
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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
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. Celotta
and D. T. Pierce
Corrosion of Electronic Materials and Devices: R. B. Comizzoli,
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SCIENCE is published weekly on Friday, except the last week in December, and with an extra issue in May by
the American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20005. Second-
class postage (publication No. 484460) paid at Washington, DC, and at an additional entry. Now combined with The Sci-
entific Monthly Copyright © 1996 by the American Association for the Advancement of Science. The title SCIENCE is
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tutional subscription (51 issues): $86. Foreign postage extra: Canada $24, other (surface mail) $27, airmail via Am-
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20005. Science is indexed in the Reader’s Guide to Periodical Literature and in several specialized indexes.

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preciation of the importance and promise of the methods of science in human progress.
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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