This Week in Science

An Overview of Overhead

An Analysis of Citation Analysis: R. C. Von Borstel ■ Clean Air Act Amendments: W. G. Rosenberg ■ Evaluating Teaching: J. M. Pasachoff; W. Debler; T. D. Johnston

Vacuum vs. magnet engineers at LEP; managers vs. physicists at the SSC; etc.

NIH Finds Fraud in Cell Paper ■ Warm Praise for a Whistle-Blower ■ The Report's Principal Conclusions

Who Found AZT Works for AIDS?

OTA Challenges Dogma on Research Funding

Slimmer Station Wins White House Approval

Suitable Creative Thinker for Rent

Better Data Needed on Sensitivity Syndrome

Ranking the Rain Forests

Déjà Vu All Over Again: Can Chimpanzees Talk?

Rising Chemical “Stars” Could Play Many Roles

“Spiral Forest” May Hold Clue to Thin-Film Superconductivity

Briefings: Brain Food? ■ A Physical Paradox ■ Psychological Risk Assessment ■ Selling the SSC to the Next Generation ■ Getting Around the Cosmic Censor ■ Environmental Prize ■ Searching for Words ■ Correction

America’s Soaring Prison Population: P. A. Langan

Chemical and Biological Microstructures as Probed by Dynamic Processes: J. M. Drake, J. Klafter, P. Levitz

Cocaine Addiction: Psychology and Neurophysiology: F. H. Gwin

Growth Mechanism of Sputtered Films of YBa2Cu3O7 Studied by Scanning Tunneling Microscopy: M. Hawley, I. D. Rastwick, J. G. Beery, R. J. Houlton

Scanning tunneling microscopy image of a high-transition temperature film of sputtered YBa$_2$Cu$_3$O$_7$ on MgO showing spiral grains with step heights of about one unit cell (12 Å). The perspective-shaded plot was generated with a computer program called SCOPE; colors represent increasing altitude from blue to red-violet. See page 1587. [Image by Melvin L. Prueitt, computer graphics group, and data by Marilyn Hawley, MST-7, Los Alamos National Laboratory]

1592 San Andreas Fault Zone Head Waves Near Parkfield, California: Y. BEN-ZION AND P. MALIN
1594 Microtektites, Microkrystites, and Spinels from a Late Pliocene Asteroid Impact in the Southern Ocean: S. V. MARGOLIS, P. CLAEYS, F. T. KYE
1597 Characterization of a Human TAR RNA-Binding Protein That Activates the HIV-1 LTR: A. GATIGNOL, A. BUCKLER-WHITE, B. BERKHOUT, K.-T. JEANG
1600 In Vitro and in Vivo Consequences of VLA-2 Expression on Rhabdomyosarcoma Cells: B. M. CHAN, N. MATSUURA, Y. YAKADA, B. R. ZETTER, M. E. HEMLER
1603 An Immunogenic Onchocerca volvulus Antigen: A Specific and Early Marker of Infection: E. LOBOS, N. WEISS, M. KARAM, H. R. TAYLOR, E. A. OTTESEN, T. B. NUTMAN
1608 Adrenergic Excitation of Cutaneous Pain Receptors Induced by Peripheral Nerve Injury: J. SATO AND E. R. PERL
1611 Regulation of Adhesion to ICAM-1 by the Cytoplasmic Domain of LFA-1 Integrin β Subunit: M. L. HIBBS, H. XU, S. A. STACKER, T. A. SPRINGER
1613 Permeation of Calcium Ions Through Non-NMDA Glutamate Channels in Retinal Bipolar Cells: T. A. GILBERTSON, R. SCOBIEY, M. WILSON

Technical Comment


Book Reviews

1621 Gunnar Myrdal and America's Conscience, reviewed by K. O'S. SEE ■ History of CERN, L. HODGSON ■ Some Other Books of Interest ■ Books Received

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