This Week in Science

Credibility in Science and the Press

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Gas-Phase Inorganic Chemistry: Monovalent Derivatives of Calcium and Strontium: P. F. Bernath

Stress Fields of the Overriding Plate at Convergent Margins and Beneath Active Volcanic Arcs: K. D. Apperson

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Latitudinal and Longitudinal Oscillations of Cloud Features on Neptune: L. A. Sromovsky


Early Cambrian Foraminifera from West Africa: S. J. Culver

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SCIENCE (ISSN 0036-8075) is published weekly on Friday, except the last week in December, 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 additional mailing offices. Copyright © 1991 by the American Association for the Advancement of Science. The title SCIENCE is a registered trademark of the AAAS. Domestic individual membership and subscription (51 issues): $82 ($47 allocated to subscription). Domestic institutional subscription (51 issues): $150. Foreign postage extra: Mexico, Caribbean (surface mail) $50; Other countries (air assist delivery) $95. First class, airmail, student and emeritus rates on request. Canadian rates with GST available upon request. GST #125481252. Changes of address: allow 6 weeks, giving old and new addresses and 11-digit account number. Postmaster: Send change of address to Science, P.O. Box 2033, Marion, OH 43305–2003. Single copy sales: $6.00 per issue prepaid includes surface postage. Guide to Biotechnology Products and Instruments, $20. Bulk rates on request. Authorization to photocopy material for internal or personal use under circumstances not falling within the fair use provisions of the Copyright Act is granted by AAAS to libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the base fee of $1 per copy plus $0.10 per page is paid directly to CCC, 27 Congress Street, Salem, Massachusetts 01970. The identification code for Science is 0036-8075/83 $1 + .10. Science is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes.

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Potential Magnitude of Future Vegetation Change in Eastern North America: Comparisons with the Past: J. T. Överbeck, P. J. Bartlein, T. Webb III

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Calcium Gradients Underlying Polarization and Chemotaxis of Eosinophils: R. A. Brundage, K. E. Fogarty, R. A. Tuft, F. S. Fay

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Interaural Phase Coding in Auditory Midbrain: Influence of Dynamic Stimulus Features: M. W. Spitzer and M. N. Sempel

The Anion Paradox in Sodium Taste Reception: Resolution by Voltage-Clamp Studies: Q. Ye, G. L. Heck, J. A. Desimone


The Social Biology of Wasps, reviewed by D. C. Queller ■ The Idea Factory, H. PetroSKI ■ Understanding the Representational Mind, A. Gopnik ■ Some Other Books of Interest ■ Reprints of Books Previously Reviewed ■ Books Received

Image Analysis Workstation ■ DNA Purification Kit ■ Desktop Digital Film Recorder ■ Monoclonal Antibodies ■ Mutagenesis Kit ■ Water Purification System ■ Gold Immunoprobes ■ Literature

Magnetic resonance image of the human brain, showing activation of the visual cortex. Regional changes in cerebral blood volume were measured during photic stimulation and reflect the task-induced changes in neuronal activity. The area of activated visual cortex (color) is mapped onto the three-dimensional anatomical structure (gray). This combined imaging method may be used in routine clinical examinations, permitting noninvasive high-resolution mapping of cortical function. See page 716. Other neuroscience reports pages 719 to 729. [Illustration courtesy of the Massachusetts General Hospital–NMR Center]