Editorial

629 Credibility in Science and the Press

Letters

630 Biology and Homosexuality: T. A. Schoenfeld; J. M. Carrier and G. Gellert; S. LeVay ■ Artificial Heart Development: A Long Effort: G. T. Harrell

ScienceScope

639 Preempting a radiation study; preparing for the census of the future; etc.

News & Comment

640 Pork: Washington's Growth Industry
641 Yesterday's Pork Projects: Where Are They Now?
643 Neuroscience at Risk at NSF
644 Iraq's Bomb Program: A Smoking Gun Emerges ■ How Much Uranium?
645 Ozone Loss Hits Us Where We Live
646 Moths Take the Field Against Biocide
647 AIDS Vaccine Meeting: International Trials Soon
648 Briefings: New Obstacle for Foreign Scientists? ■ Oh, for a Normal Brain! ■ Science Gamesmanship ■ Chatting With ETs ■ Looking 40 Years Ahead on Energy ■ "All the [Science] That's Fit to Print" ■ Errata

Research News

650 Playing Tag With Membrane Proteins
652 Could the Sun Be Warming the Climate?
653 GE Achieves Dial-an-Isotope Diamonds
654 The Secret of Saltiness
655 How Plants Cope With Stress
656 Supercomputer Voyages to the Southern Seas

Perspective

663 "Five Easy Pieces": P. A. Sharp

Articles

665 Gas-Phase Inorganic Chemistry: Monovalent Derivatives of Calcium and Strontium: P. F. Bernath
670 Stress Fields of the Overriding Plate at Convergent Margins and Beneath Active Volcanic Arcs: K. D. Apperson

Research Article

679 Molecular Basis of Gating Charge Immobilization in Shaker Potassium Channels: F. Bezanilla, E. Perozo, D. M. Papazian, E. Stefani

Reports

684 Latitudinal and Longitudinal Oscillations of Cloud Features on Neptune: L. A. Sromovsky
689 Early Cambrian Foraminifera from West Africa: S. J. Culver

■ 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 #1254 88122. Change 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 $.10 per page is paid directly to CCC, 27 Congress Street, Salem, Massachusetts 01970. The identification code for Science is 0036-8075/91 $1 + .10. Science is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes.

■ The American Association for the Advancement of Science was founded in 1848 and incorporated in 1874. Its objectives are to further the work of scientists, to facilitate cooperation among them, to foster scientific freedom and responsibility, to improve the effectiveness of science in the promotion of human welfare, to advance education in science, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.
692 Potential Magnitude of Future Vegetation Change in Eastern North America: Comparisons with the Past. J. T. Overpeck, F. J. Bartlein, T. Webb III

695 Synorogenic Collapse: A Perspective from the Middle Crust, the Proterozoic Grenville Orogen. K. Mezger, B. A. van der Pluijm, E. J. Essene, A. N. Halliday

698 Length of the Solar Cycle: An Indicator of Solar Activity Closely Associated with Climate. E. Friis-Christensen and K. Lassen

701 First Fossil Hagfish (Myxinoidea): A Record from the Pennsylvanian of Illinois. D. Bardack

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

707 Generation and Analysis of Interleukin-4 Deficient Mice: R. Köhn, K. Rajewsky, W. Müller

710 An Inducible Plasmid-Forming Plasmod of Enteropathogenic Escherichia coli: J. A. Girón, A. S. Y. Ho, G. K. Schoolnik


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


---


736 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

742 Image Analysis Workstation ■ DNA Purification Kit ■ Desktop Digital Film Recorder ■ Monoclonal Antibodies ■ Mutagenesis Kit ■ Water Purification System ■ Gold Immunoprobes ■ Literature
Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**  Visit the online version of this article to access the personalization and article tools:  
http://science.sciencemag.org/content/254/5032

**Permissions**  Obtain information about reproducing this article:  
http://www.sciencemag.org/about/permissions.dtl