This Week in Science

Editorial
513 Job Application

Letters

ScienceScope
523 NSF takes aim at Mosaic; up, up, and away with the science committee; etc.

News & Comment
524 Germany's Gene Law Begins to Bite No Place for Nonconformists
526 Asian Gypsy Moth Jumps Ship to United States
527 Space Scientists Need Call to Set Priorities Solar Observatory Gets Lost in the Shuffle
528 Anti-Cancer Drug IL-2 May Finally Be Approved Roche Eases PCR Restrictions
529 NIH's Vision Runs into Political Reality NIH's Slimmed-Down Strategy

Research News
531 Determining What Immune Cells See New Theory of Diabetes Etiology Riles Immunologists
534 Acoustic Fridge Takes to Space
535 Priming the Brain's Language Pump
536 The Hubble Telescope Stars in Atlanta: Are Globular Clusters Born in Galactic Collisions? New Strategy in the Hunt for Black Holes
537 CBN Ball, Anyone?
538 Briefings: SOS From Russian Scientists Alcoholism: Modest Role Seen for Genes MIT High Tech Goes After America's Cup Another Stanford Resignation Rat and Mouse Care Homosexuality and Cognition Shock Therapy Helps Kill Cancer Tumors

Articles
556 Working Memory: A. BADDELEY
560 Stability of the Astronomical Frequencies Over the Earth's History for Paleoclimate Studies: A. BERGER, M. F. LOUTRE, J. LASKAR
566 In What Sense Is Turbulence an Unsolved Problem?: M. NELKIN

---

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 © 1992 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): $87 ($47 allocated to subscription), Domestic institutional subscription (51 issues): $195. 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 681 122. 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 43305-2033. 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 0036-8075/85 $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.
**Research Article**


**Reports**

581 Natural Vegetation as a Source or Sink for Atmospheric Ammonia: A Case Study: A. O. Langford and F. C. Feisenfeld


586 Effects of High Temperature on Silicate Liquid Structure: A Multinuclear NMR Study: J. F. Stebbins and I. Farnan


592 Chemical Signals from Host Plant and Sexual Behavior in a Moth: A. K. Raina, T. G. Kingan, A. K. Mattoo

594 Ordered Self-Assembly of Polypeptide Fragments to Form Nativelike Dimeric trp Repressor: M. L. Tasayo and J. Carey

597 Toward a Dymamical Structure of DNA: Comparison of Theoretical and Experimental NOE Intensities: J. M. Withka, S. Swaminathan, J. Srinivasan, D. L. Beveridge, P. H. Bolton

600 Regulation of Adenyl Cyclase from Paramecium by an Intrinsic Potassium Conductance: J. E. Schultz, S. Klumpp, R. Benz, W. J. Ch. Schürhoff-Goeters, A. Schmid

603 The Son of sevenless Gene Product: A Putative Activator of Ras: L. Bonfini, C. A. Karlovich, D. Dasgupta, U. Banerjee

606 Linguistic Experience Alters Phonetic Perception in Infants by 6 Months of Age: P. K. Kuhl, K. A. Williams, F. Lacerda, K. N. Stevens, B. Lindblom

**Book Reviews**

613 Vitamin C and Cancer, reviewed by U. Segerstråle • Deep-Sea Biology, C. L. Van Dover • Latin American Mammalogy, T. H. Fleming • Vignettes: AIDS Elsewhere • Books Received
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/255/5044

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