This Week in Science

Editorial

605 SOS, Save Our Science

Policy Forum

607 A Proposed Structure for an International Convention on Climate Change: W. A. Nitzke

Letters


Perspective

614 Messenger RNA Transport and HIV rev Regulation: D. D. CHANG and P. A. SHARP

News & Comment

616 Counting on Science at EPA ■ Ranking the Risks Proves Contentious

619 Disease Puzzle Nears Solution
Scientists Protest Museum Cuts

620 Mouse Facility Makes a Comeback

621 African Locusts: Overkilling the Insect Enemy

622 Briefings: FDA Panel Splits Decision on Drugs ■ Taxes on Black Stuff Could Be Green ■ PNAS Bars Papers from UC Geneticist ■ Relman Hands Over the Reins at NEJM ■ House Prunes Genome Budget ■ Oxford Physicists Undergo Fusion ■ A Dust Buster for Space ■ Science Conduct: Do the Right Thing ■ Former Gallo Aide Faces Felony Charges

Research News

624 Marijuana Receptor Gene Cloned ■ Substance P Causes Pain—But Also Heals

626 U.K. Vaccine Trial: Stalking Horse for the Future

627 Tinkering with Glass and Ceramic Structures

629 A Transistor That Works Electron by Electron

630 Corn Transformed

Articles

631 Ice: A New Dosage Form of an Old Drug: A. K. CHO

635 The Cellular Functions of Small GTP-Binding Proteins: A. HALL

Research Article


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 © 1990 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): $90. Domestic institutional subscription (51 issues): $150. Foreign postage extra: Canada $46, other (surface mail) $46, air mail via Amsterdam $85. First class, airmail, school-year, and student rates on request. 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 1723, Riverlton, Nj 08077. Single copy sales: Current issue, $3.50; back issues, $5.00; Biotechnology issue, $6.00 (for postage and handling, add per copy $0.50 U.S., $1.00 all foreign); Guide to Biotechnology Products and Instruments, $20 (for postage and handling add per copy $1.00 U.S., $1.50 Canada, $2.00 other foreign). 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, 22 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. 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.
**Reports**

647 Memory Glass: An Amorphous Material Formed from AlPO₄: M. B. Kruger and R. Jeanloz

649 Water and Solutions at Negative Pressure: Raman Spectroscopic Study to −80 Megapascals: J. L. Green, D. J. Durben, G. H. Wolf, C. A. Angell


666 Failure to Phosphorylate the Retinoblastoma Gene Product in Senescent Human Fibroblasts: G. H. Stein, M. Beeson, L. Gordon

669 Restoration of the Plasticity of Bincular Maps by NMDA After the Critical Period in Xenopus: S. B. Udin and W. J. Scherer

672 Predominant Expression of T Cell Receptor V₄.7 in Tumor-Infiltrating Lymphocytes of Uveal Melanoma: T. Nitta, J. R. Oksenberg, N. A. Rao, L. Steimnan

674 Regional Variation of Extracellular Space in the Hippocampus: C. J. McBain, S. F. Traynelis, R. Dingledine

677 Expression of T Cell Antigen Receptor Heterodimers in a Lipid-Linked Form: A. Y. Lin, B. Devaux, A. Green, C. Sagerström, J. F. Elliott, M. M. Davis

**Technical Comments**


**Book Reviews**

684 Apprenticeship in Thinking, reviewed by J. V. Werthsh and P. Tulviste; Principles of Mental Imagery, and Mental Imagery, M. J. Tark; The Quantum Physics of Atomic Frequency Standards, P. Forman; Books Received

**Products & Materials**

689 Replacement Parts for HPLC Pumps; Nucleic Acid Purification System; Ultrasonic Cleaners; High-Purity Water Station; Motion Analyzer; Four-Lane Animal Exerciser; Microbial Control for Pure Water Systems; Literature