303 This Week in Science

Editorial

305 Survival Politics: Science and the Budget Dilemma

Letters

307 HTLV-III Legend Correction: R. V. Gilden, M. A. Gonda, M. G. Sarnagadharian, M. Popovic, R. C. Gallo ■ Psychosocial Development: V. S. Alpher ■ Research on Mental Illness and Addictive Disorders: H. A. Pincus

News & Comment

308 A New Twist in AIDS Patent Fight
312 Uranium Enrichment's $7-Billion Uncertainty
314 Europeans Wary of U.S. Offer on Military R&D
315 Briefing: David Packard Tackles OMB on Indirect Costs ■ NAS Signs New Pact with Soviet Academy ■ USDA Biotechnology Review Criticized and Defended ■ Budget Squeeze May Stall Start-up of New Colliders

Research News

317 Genetic Screening Raises Questions for Employers and Insurers ■ Genetic Screening Issues Studied
320 Catching a Volatile Halley Before It's Gone ■ Comet Dust Closer to Home?

Articles

329 Two-Dimensional Rare Gas Solids: R. J. Birgeneau and P. M. Horn
336 Safeguarding Our Military Space Systems: M. M. May
341 Solid Phase Synthesis: B. Merrifield

Research Articles

348 Uncoupling Translocation from Translation: Implications for Transport of Proteins Across Membranes: E. Perera, R. E. Rothman, V. R. Lingappa

Reports


SCIENCE is published weekly, 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 at an additional entry. Now combined with The Scientific Monthly's Copyright © 1896 by the American Association for the Advancement of Science. Domestic individual membership and subscription ($1 issues): $65. Domestic institutional subscription ($1 issues): $98. Foreign postage extra. Canada $24, other (surface mail) $27, air-surface via Amsterdam $65. First class, airmail, school-year, and student rates on request. Single copies $2.50 ($3 by mail); back issues $4 ($4.50 by mail); Biotechnology issue, $5.50 ($6 by mail); classroom rates on request. Change of address: allow 6 weeks; giving old and new addresses and seven-digit account number. 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 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, 21 Congress Street, Salem, Massachusetts 01970. The identification code for Science is 0036-8075/86 $1 + .10. Postmaster: Send Form 3579 to Science, 1333 H Street, NW, Washington, DC 20005. 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 objects 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 service of human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.
Plasma Diagnosis from Thermal Noise and Limits on Dust Flux or Mass in Comet Giacobini-Zinner: N. Meyer-Vernet, P. Couturier, S. Hoang, C. Perche, J. L. Steinberg, J. Fainberg, C. Meunier


Regulation of Erythrocyte Cation and Water Content in Sickle Cell Anemia: C. Brugnara, H. F. Bunn, D. C. Tosteson

Suprachiasmatic Nucleus Vasopressin Messenger RNA: Circadian Variation in Normal and Brattleboro Rats: G. R. Uhl and S. M. Reppert

Existence of High Abundance Antiproliferative mRNA's in Senescent Human Diploid Fibroblasts: C. K. Lumpkin, Jr., J. K. McClung, O. M. Pereira-Smith, J. R. Smith

Androgens Regulate the Dendritic Length of Mammalian Motoneurons in Adulthood: E. M. Kurz, D. R. Sengelaub, A. P. Arnold

Amplification and Rearrangement of Hu-er-1 in Leukemia and Lymphoma with Involvement of 11q23: U. Rovigatti, D. K. Watson, J. J. Yunis

Induction of Suppressor Cells Specific for AChR in Experimental Autoimmune Myasthenia Gravis: K. R. McIntosh and D. B. Drachman


Historical Writing on American Science, reviewed by L. Galambos • By the Bomb's Early Light, A. M. Winkler • Evolutionary Case Histories from the Fossil Record, M. LaBarbera • Earthquake Prediction, W. Thatcher • Frontiers in Nuclear Dynamics, S. E. Koontin • Books Received

Computerized Titration • Autoradiograph Processor • Data Acquisition System • Photomicrography • Fermentation Process Control • X-ray Fluorescence Analyzer • Gas Chromatogram • Solvent Delivery System • Literature
Science 232 (4748), 303-4011.

http://science.sciencemag.org/content/232/4748

http://www.sciencemag.org/help/reprints-and-permissions

Use of this article is subject to the Terms of Service