511 This Week in Science

Editorial

513 The Science Vote in Iowa

Policy Forum

514 HIV Is Not the Cause of AIDS: P. DUESBERG HIV Causes AIDS: W. BLATTNER, R. C. GALLO, H. M. TEMIN

Letters


Association Affairs

519 Richard C. Atkinson: President-Elect of AAAS: W. J. McGILL

News & Comment

521 Crisis in AID Malaria Network Vaccine Trials Disappoint
524 East European Scientific Cooperation Seen Lagging
525 Harvard Tackles the Rush to Publication
526 DOE Pushes Case for New Defense Reactors
528 Sagdeev to Step Down

Research News

529 Conservationist in Panda-monium When the Bamboo Blooms
532 Comets Were a Clerical Error New Ways to Chill Earth
533 Another Glitch for AIDS Vaccines
535 Progress in Predicting Breast Cancer Relapses

Articles

536 The Discovery of Crown Ethers: C. J. PEDERSEN
540 Social Relationships and Health: J. S. HOUSE, K. R. LANDIS, D. UMBERSON
545 The Coupling of Neurotransmitter Receptors to Ion Channels in the Brain: R. A. NIGOLL

Research Articles

558 Molecular Characterization of a Functional cDNA Encoding the Serotonin 1c Receptor: D. JULIUS, A. B. MACDERMOTT, R. AXEL, T. M. JESSELL

SCIENCE is published weekly on Friday, except the last week in December, and with an extra issue in February 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. Copyright 1986 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): $70. Domestic institutional subscription (51 issues): $110. Foreign postage extra: Canada $32, other (surface mail) $32, air-sur- face via Amsterdam $65. First class, airmail, school-year, and student rates on request. Single copies $3.00 ($5.00 by mail; back issues $4.50 ($5.00 by mail); Biotechnology issue, $5.50 ($6 by mail); classroom rates on request; Guide to Biotechnology Products and Instruments $16 ($17 by mail). 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 circum- stances not falling within the fair use provisions of the Copyright Act is granted by AAAS to libraries and other users regis- tered 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 promoting the welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.
**Reports**

570 DNAs of the Two Mating-Type Alleles of Neurospora crassa Are Highly Dissimilar: N. L. Glass, S. J. Vollmer, C. Staben, J. Grotelueschen, R. L. Metzenberg, C. Yanofsky
573 HIV-1-Infected T Cells Show a Selective Signaling Defect After Perturbation of CD3/Antigen Receptor: G. P. Linette, R. J. Hartzman, J. A. Ledbetter, C. H. June
580 Chemotransduction in the Carotid Body: K+ Current Modulated by Po2 in Type I Chemoreceptor Cells: J. López-Barneo, J. R. López-López, J. Ureña, C. González
582 Selective Activation of Transcription by a Novel CCAAT Binding Factor: S. N. Matty, P. T. Golumbek, G. Karsenty, B. de Crombrugghe
585 cDNA Expression Cloning of the IL-1 Receptor, a Member of the Immunoglobulin Superfamily: J. E. Sims, C. J. March, D. Cosman, M. B. Widmer, H. R. MacDonald, C. J. McMahan, C. E. Grubin et al.
589 Interventricular Exchange in the Yeast Zygoe: A New Pathway in Organelle Communication: L. S. Weisman and W. Wicker
591 Low Plasma Cholesterol Levels Caused by a Short Deletion in the Apolipoprotein B Gene: S. G. Young, S. T. Northey, B. J. McCarthy
593 Conversion of Normal Behavior to Shiverer by Myelin Basic Protein Antisense cDNA in Transgenic Mice: M. Katsuki, M. Sato, M. Kimura, M. Yokoyama, K. Kobayashi, T. Nomura

**Technical Comments**


**Book Reviews**

603 Social Control of the Drinking Driver, reviewed by P. J. Cook ■ Innovation and the Rise of the Tunneling Industry, D. C. Jackson ■ Primate Social Systems, R. S. O. Harding ■ Some Other Books of Interest ■ Books Received