279 This Week in Science

Editorial

281 A Tax on Sin: The Six-Cylinder Car

Letters


News & Comment

301 Chemical Arms Ban Still Uncertain ■ A Plea for Scientific Help
303 Fusion Chief Reassigned as Program Is Refocused
304 Asking America About Its Sex Life
305 Bomb Factories of the 21st Century
How to Handle Misconduct Allegations
306 A Corrosive Fight Over California’s Toxics Law ■ A Risk Worth Worrying About?
309 Watkins Named Energy Secretary

Research News

310 Ecologists Flirt with Chaos ■ A Simple Model of Chaos
313 Trouble Encountered in Gene Linkage Land
314 More Math Means More Money
315 Getting to the Heart of Genetic Disease: New Treatment Found for Hereditary Emphysema ■ Blood Clotting May Increase with Age ■ Lipoprotein(a)’s Role in Heart Attacks Explored
317 Random Samples: Danger on the Job ■ Prava Heads for the Stars ■ Another Snow Job

Articles

338 Prevalence and Patterns of Same-Gender Sexual Contact Among Men: R. E. Fay, C. F. Turner, A. D. Klassen, J. H. Gagnon
349 Levitation in Physics: E. H. Brandt
355 Contingent Genetic Regulatory Events in T Lymphocyte Activation: G. R. Crabtree

Reports

365 The Perception of Intention: V. Dasser, I. Ulbaek, D. Premack

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. No combined with The Scientific Monthly Copyright © 1898 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-surface via Amsterdam $85. First class, airmail, school-year, and student rates on request. 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, $18 (for postage and handling add per copy $1.00 U.S., $1.50 Canada, $2.00 other foreign). Bulk 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 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, 21 Congress Street, Salem, Massachusetts 01970. The identification code for Science is 0036-8075/83 $1 + .10. Postmaster: Send Form 3579 to Science, P.O. Box 1722, Riverton, NJ 08077. 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 promotion of human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.
Composition of the Earth: D. L. Anderson
Expression of Functional Nerve Growth Factor Receptors After Gene Transfer: B. L. Hempstead, L. S. Schleifer, M. V. Chao
Increased Expression of DNA Coinroduced with Nuclear Protein in Adult Rat Liver: Y. Kaneda, K. Iwai, T. Uchida
Isolation and Expression of Functional High-Affinity Fc Receptor Complementary DNAs: J. M. Allen and B. Seed
The Involvement of Platelet Activating Factor in Ovulation: A. O. Abisogun, P. Braquet, A. Tsapfriri
Atrial Natriuretic Peptide Inhibits a Cation Channel in Renal Inner Medullary Collecting Duct Cells: D. B. Light, E. M. Schwiebert, K. H. Karlson, B. A. Stanton
Molecular Cloning of Genes Under Control of the Circadian Clock in Neurospora: J. J. Loros, S. A. Denome, J. C. Dunlap
Plasticity and Differentiation of Embryonic Retinal Cells After Terminal Mitosis: R. Adler and M. Hatlee
Interleukin-1 Mitogenic Activity for Fibroblasts and Smooth Muscle Cells Is Due to PDGF-AA: E. W. Raines, S. K. Dower, R. Ross
Role for Excitatory Amino Acids in Methamphetamine-Induced Nigrostriatal Dopaminergic Toxicity: P. K. Sonsalla, W. J. Nicklas, R. E. Heikila

First the Seed, reviewed by R. J. Thomas ■ From Protest to Policy, W. A. Gamsen ■ The Rise of Experimentation in American Psychology, H. Kuklick ■ Reforming the Law, P. C. Davis ■ Books Received

Tissue Culture Kit for Melanocytes ■ Substitutes for Fetal Bovine Serum ■ Curve-Fitting and Modeling Software ■ DNA Synthesizer ■ Developing Chamber for HPTLC Plates ■ Microinjector with Micrometer ■ Solution Calculation Software ■ Literature
Editor's Summary