This Week in Science

The Asbestos Removal Fiasco

DNA Fingerprinting: J. K. Winkler, Jr.; G. Sarkar; G. B. Brown; S. Kumar

Quasicrystals: Rules of the Game

Academy Sued on “Plagiarized” Diet Report

AAAS Meeting: Science and All That Jazz: Dallas AIDS Survey Raises Expectations • The Geopolitics of R&D • AAAS Rides Electronic Wave • Counting on New Nukes • U.S. Math: Not Asking Much • Soviet Reforms: Promises, Promises

Sharp’s Reversal Shocks MIT Campus

Yeast Researcher Rises to Top at Whitehead

Lasker Foundation Suspends 1990 Awards

 Monsanto Renews Ties to Washington University

Penn Charges Retin-A Inventor with Conflict

Feud Flares Over Thallium Superconductor

Democratizing the DNA Sequence

Where Have All the Froggies Gone?

Electricity by Serendipity

Packing Your n-Dimensional Marbles

Briefings: GYRO Experiment Findings Nixed • Funds Flow to HUGO • Wyngaarden to NAS • Noli Mc Tangere • Asian-American to Lead Berkeley


Gamma Rays and Neutrinos as Clues to the Origin of High Energy Cosmic Rays: T. K. Gaisser

Ceramic Thin Films: Fabrication and Applications: M. Sayer and K. Sreenivas

A Wave Dynamical Interpretation of Saturn’s Polar Hexagon: M. Allison, D. A. Godfrey, R. F. Beebe

The Strange Periodic Comet Machholz: D. W. E. Green, H. Rickman, A. C. Porter, K. J. Meech

Interparticle Collisions Driven by Ultrasound: S. J. Doktycz and K. S. Suslick

SCIENCE is published weekly on Friday, except the last week in December, and with a supplement in March by the American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20005. Second-class Non-profit postage (publication No. 484460) paid at Washington, DC, and at an additional entry. 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 ($1 issues): $75. Domestic institutional subscription ($1 issues): $120. Foreign postage extra: Canada $46, other (surface mail) $46, air mail 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 all 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 $0.10 per page is paid directly to CCC, 27 Congress Street, Salem, Massachusetts 01970. The identification code for Science is 0036-8075/90 $1 + .10. Change of address: allow 6 weeks, giving old and new addresses and 11-digit account number. Postmaster: Send Form 3579 to Science, P.O. Box 1723, Riverdale, 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 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 the human progress.
Gaussian Free-Energy Dependence of Electron-Transfer Rates in Iridium Complexes: L. S. Fox, M. Kozik, J. R. Winkler, H. B. Gray

Direct Coupling of Marine Invertebrate Spawning with Phytoplankton Blooms: M. Starr, J. H. Himmelman, J-C. Thérriault

Inhibition of Serum- and Ras-Stimulated DNA Synthesis by Antibodies to Phospholipase C: M. R. Smith, Y. Liu, H. Kim, S. G. Rhee, H. Kung

Translation Initiation and Ribosomal Biogenesis: Involvement of a Putative rRNA Helicase and RPL46: A. B. Sachs and R. W. Davis

Tyrosine Kinase Activity and Transformation Potency of bcr-abl Oncogene Products: T. G. Lugo, A.-M. Pendergast, A. J. Muller, O. N. Witte


Enhancement of SIV Infection with Soluble Receptor Molecules: J. S. Allan, J. Strauss, D. W. Buck

Calcium-Sensitive Cross-Bridge Transitions in Mammalian Fast and Slow Skeletal Muscle Fibers: J. M. Metzger and R. L. Moss

A Voltage-Dependent Chloride Current Linked to the Cell Cycle in Ascidian Embryos: M. L. Block and W. J. Moody

Induction by Soluble Factors of Organized Axial Structures in Chick Epiblasts: E. Mitra and Y. Shimon
