AsSOCIATION
AMERICAN
SCIENCE

* The Primates: Retroviruses: Research

The Nematode Organism for Modern Biology: Xenopus laevis

Yeast: An Etiology of AIDS: H. Rubin

Chinese Diet Study: T. C. Campbell

The Uncertain Landscape of Science: J. R. Sladek, JR., AND I. SHOULSON

Whistle-Blowing: C. W. McCUTCHEN, L. LOEVINGER

AIDS Panels Converge on a Consensus

Pentagon Boosts a Small Rocket

Rift Valley Fever Rears Its Head

U.S.–Soviet Science Pact Stalls

Indirect Cost Surge Prompts New Worries

IOM Names Committee to Study NIH

Herbicide Refused for Coca Spraying

Chernobyl Claims Another Victim

NSF Picks Biology Centers

ADAMHA Nominee Still on Hold

Mergers Slow Down Research Spending

In Search of Elusive Little Comets

The Uncertain Perils of an Invisible Landscape

Journeys on a Selective Surface

Losing AIDS Antibodies

Disappointing Brain Graft Results

Multiplying Genes by Leaps and Bounds

Random Samples: Getting the Grants

Purdue Keeps Popping

Chix in Space

A Message from Alvarez

Retroviruses: H. VARMUS

Research on Bacteria in the Mainstream of Biology: B. MAGASANIK

Yeast: An Experimental Organism for Modern Biology: D. BOTSTEIN AND G. R. FINK

Xenopus laevis in Developmental and Molecular Biology: I. B. DAWID AND T. D. SARGENT

The Nematode Caenorhabditis elegans: C. KENYON

Drosophila melanogaster as an Experimental Organism: G. M. RUBIN

Plants: Novel Developmental Processes: R. B. GOLDBERG

Transgenic Animals: R. JAENISCH


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. 484440) paid at Washington, DC, and at an additional entry. Now combined with The Scientific Monthly© Copyright © 1988 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 $22, other (surface mail) $32, air-surface via Amsterdam $46. First class, airmail, school-year, and student rates on request. Single copies $3.00 ($3.50 by mail); back issues $4.50 ($5.00 by mail); Biotechnology Issues, $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 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, 21 Congress Street, Salem, Massachusetts 01970. The identification code for Science is 0036-8075/88 $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 promotion of human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.
The Human as an Experimental System in Molecular Genetics: R. White and C. T. Caskey


DNA and RNA Sequence Determination Based on Phosphorothioate Chemistry: G. Gish and F. Eckstein


Mitochondrial Transformation in Yeast by Bombardment with Microprojectiles: S. A. Johnston, P. Q. Anziano, K. Shark, J. C. Sanford, R. A. Butow


Inhibition of Cellular Proliferation by Antisense Oligodeoxynucleotides to PCNA Cyclin: D. Jaskulski, J. Kim de Riel, W. E. Mercer, B. Calabretta, R. Baserga

Cachectin/TNF and IL-1 Induced by Glucose-Modified Proteins: Role in Normal Tissue Remodeling: H. Vlassara, M. Brownlee, K. R. Manogue, C. A. Dinarello, A. Pasagian

Science and Technology Advice to the President, Congress, and Judiciary, reviewed by H. F. York - How Superstition Won and Science Lost, N. Harris - Books Received

Restriction Mapping Software - Precast Mini Gels - Action Potential Discriminator - Refrigerated Centrifuge - DNA Polymerase α-Primase - Water Purification System - Waterproof pH Meter - Literature