This Week in Science .................................................. 1138

LETTERS

EDITORIAL
Waste Management .................................................. 1145

ARTICLES
Imaging Spectrometry for Earth Remote Sensing: A. F. H. Goetz et al. .................................................. 1147
Natural Plant Chemicals: Sources of Industrial and Medicinal Materials: M. F. Balandrin et al. ......................... 1154
Evolution in Inbred Strains of Mice Appears Rapid: W. M. Fitch and W. R. Atchley .................................................. 1169

NEWS AND COMMENT
Virus Scare Halts Hormone Research .................................................. 1176
Hughes Institute Poised for Growth .................................................. 1178

Briefing: Dispute Reopened on Mysterious 1979 Flash; Academy Proposes a Federal Trauma Center; California Gears Up to Bid for the SSC; NRC Considers Dropping University Reactor Rule .................................................. 1180

Industry Wary of Tech Transfer Bills .................................................. 1182

RESEARCH NEWS
Fitting Methylation into Development .................................................. 1183
Where Are the Dead Quasars? .................................................. 1185
Chaotic Zone Yields Meteorites .................................................. 1186
Why Do Inbred Mice Evolve So Quickly? .................................................. 1187

BOARD OF DIRECTORS
DAVID A. HAMBURG
President, Chairman
GERARD PIEL
President
LAURENCE BOGORAD
President-Elect
ROBERT W. BERLINER
MILDRED DRESSELHAUS
DONALD N. LANGENI
DOROTHY NELKIN

CHIEF EXECUTIVE OFFICE
SCIENCE is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005. Second-class postage (publication No. 48446) paid at Washington, D.C., and at an additional entry. New combined with The Scientific Monthly. Copyright © 1985 by the American Association for the Advancement of Science. Domestic individual membership and subscription (51 issues): $60. Domestic institutional subscription (51 issues): $98. Foreign postage extra: Canada $24; other (surface mail) $27, air-service via Amsterdam $65. First class, airmail, school-year, and student rates on request. Single copies $2.50 (33 by mail); back issues $3 ($3.50 by mail); biotechnology issue, $5 ($5.50 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 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 0036-8075/85 $3.00. Postmaster: Send Form 3579 to Science, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005. Science is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes.
ANNUAL MEETING
Call for Symposium Proposals .................................................. 1188

BOOK REVIEWS
Size and Scaling in Primate Biology, reviewed by H. M. McHenry; The Quantum Theory of Unimolecular Reactions, D. G. Truhlar; Theory of Molecular Fluids, D. Chandler; Theoretical Concepts in Physics, C. M. Sommerfield; Books Received .................................................. 1189

REPORTS
Enhanced Immunogenicity of the Pre-S Region of Hepatitis B Surface Antigen: D. R. Milich et al. ........................................ 1195
Isolation of T-Cell Tropic HTLV-III–Like Retrovirus from Macques: M. D. Daniel et al. ........................................ 1201
A Novel Mechanism of Somatic Rearrangement Predicted by a Human T-Cell Antigen Receptor ?-Chain Complementary DNA: A. D. Duby et al. ................ 1204
Syrian Hamster Female Protein: Analysis of Female Protein Primary Structure and Gene Expression: S. B. Dowton et al. .............. 1206
A New Class of Endogenous Human Retroviral Genomes: R. Callahan et al. ...... 1208
Naturally Occurring Antibodies Reactive with Sperm Proteins: Apparent Deficiency in AIDS Sera: T. C. Rodman et al. ......................... 1211
Deregulation of Interleukin-2 Receptor Gene Expression in HTLV-I–Induced Adult T-Cell Leukemia: M. Krönke et al. ......................... 1215
Measles Virus Matrix Protein Synthesized in a Subacute Sclerosing Panencephalitis Cell Line: R. D. Sheppard et al. ......................... 1219
Technical Comments: Detection of Number or Numerousness by Human Infants: H. Davis, M. Albert, R. W. Barron; P. Starkey, R. Gelman, E. S. Spelke .... 1222

IN E. SAWER
J. A. E. WIDNALL
LINDA S. WILSON
WILLIAM T. GOLDEN
WILLIAM D. CAREY
Treasurer
Executive Officer

ANALYST AND GEOGRAPHY (E)
E. M. Matthews III
R. M. McCammon

BIOLOGICAL SCIENCES (G)
B. M. M. Grassle
J. P. Gallo

ANTHROPOLOGY (H)
A. C. Spaulding
P. R. I. Nelevant

AGRICULTURE (O)
R. G. Creswell
J. M. McCracken

INDUSTRIAL SCIENCE (P)
R. H. Pry
R. L. Stern

PHYSICS (Q)
B. J. Wegman

GENERAL (X)
H. P. Green
R. W. Nichols

NORTHWESTERN AND ROCKY MOUNTAIN DIVISION
Donald J. Nash
President
M. Michelle Balcomb
Executive Director

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.

COVER
(Left) The leaves of the Madagascar periwinkle (Catharanthus roseus) yield the anticancer drugs vincristine and vinblastine. [T. E. Hemmerly, Middle Tennessee State University, Murfreesboro; reproduced with the permission of Carolina Biological Supply Company, Burlington, North Carolina] (Center) Pyrethrum (Chrysanthemum cinerariaefolium) flower heads yield commercially important pyrethrin insecticides. [W. H. Bollinger, NPl, Salt Lake City, Utah] (Right) The berries of the chinaberry tree (Melia azedarach) yield insecticidal limonoid compounds such as azadirachtin. [J. R. Martineau, NPI, Salt Lake City, Utah] See page 1154.