LETTERS


EDITORIAL

Science: Too Much Accountability: E. A. Shneour

ARTICLES


Prospects for District Heating in the United States: J. Karkheck, J. Powell, E. Beardsworth

H-Y Antigen: Behavior and Function: W. K. Silvers and S. S. Wachtel

NEWS AND COMMENT

Carter's Budget: Little Biomedical Growth; Energy Conservation Pushed; Breeder and Other Long-Term Energy Projects Cut Back

Science in Europe/Nuclear Wastes Stymie West Germans

AAAS Meeting: Drought Was the Topic of the Week

Brzezinski: Role of Science in Society and Foreign Policy

RESEARCH NEWS

The EAE Model: A Tentative Connection to Multiple Sclerosis

The Breeder: French Prototype Shut Down for Repairs

BOOK REVIEWS

The Professor, the Institute, and DNA, reviewed by A. W. Rabin; Multiplication and Division in Mammalian Cells, H. Rubin; Ant Larvae, E. O. Wilson; The Physics of Electronic and Atomic Collisions and Electron and Photon Interactions with Atoms, A. Dalgarino; Books Received and Book Order Service

BOARDS OF DIRECTORS

WILLIAM D. MC ELROY
Retiring President, Chairman

EMILIO Q. DADDARIO
President

EDWARD E. DAVID, JR.
President-Elect

MARTIN B. CUMMINGS
RUTH M. DAVIS

RENEE C. FOX
MIKE MC CORMACK

CHAIRMEN AND SECRETARIES OF AAAS SECTIONS

MATHEMATICS (A)
Dorothy M. Stone
Truman A. Botts

PHYSICS (B)
Norman Ramsey
Rolf M. Sinclair

CHEMISTRY (C)
Norman Hackerman
Leo Schubert

ASTRONOMY (D)
Beverly T. Lynds
Ari U. Landolt

PSYCHOLOGY (J)
Donald B. Lindley
Edwin P. Hollander

SOCIAL AND ECONOMIC SCIENCES (K)
M. W. Riley
Daniel Rich

HISTORY AND PHILOSOPHY OF SCIENCE (L)
Emran Mahmood
George Basalla

ENGINEERING (M)
Ernest Weber
Paul H. Robbins

EDUCATION (Q)
Herbert A. Smith
James T. Robinson

DENTISTRY (R)
Harold M. Fullner
Shoalm Pearlman

PHARMACEUTICAL SCIENCES (S)
Stuart Erikson
Raymond Jang

INFORMATION, COMPUTING, AND COMMUNICATION (T)
Lawrence P. Heilprin
Joseph Becker

DIVISIONS

ALASKA DIVISION
George C. West
Chairman, Executive Committee

Pacific DIVISION
Keith B. Mather
Executive Secretary

SOUTHWESTERN AND ROCKY MOUNTAIN DIVISION
Robert T. Orr
President

Erik K. Bende
President

Max P. Dunton
Executive Officer

SCIENCE is published weekly, except the last week in December, but with an extra issue on the fourth Tuesday in November, by the American Association for the Advancement of Science, 1515 Massachusetts Ave., NW, Washington, D.C. 20005. Now combined with The Scientific Monthly. Second-class postage paid at Washington, D.C., and additional entry. Copyright © 1977 by the American Association for the Advancement of Science. Member rates on request. Annual subscriptions $50: foreign postage: Canada $10; other surface $13; air-surface via Amsterdam $30. Single copies $2 (back issues $3) except Guide to Scientific Instruments $6. School year subscriptions: 9 months $45; 10 months $50. Provide 6 weeks' notice for change of address, giving new and old addresses and postal codes. Send a recent address label, including your 7-digit account number. 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.
REPORTS
Lunar Soil: Iron and Titanium Bands in the Glass Fraction: E. Wells and B. Hapke 977
Sulfate Aerosol: Its Geographical Extent in the Midwestern and Southern United States: R. E. Weiss et al. ................................................. 979
A Cheetah-Like Cat in the North American Pleistocene: L. D. Martin, B. M. Gilbert, D. B. Adams ......................................................... 981
Possible Cyclic Nucleotide Regulation of Calcium Mediating Myocardial Contraction: A. Schwartz et al. ............................................... 982
Reduced Warfarin Binding of Albumin Variants: G. Wilding, B. S. Blumberg, E. S. Vesell ........................................................................... 991
25-Hydroxycholecalciferol to 1,25-Dihydroxycholecalciferol: Conversion Impaired by Systemic Metabolic Acidosis: S. W. Lee, J. Russell, L. V. Avioli ............................................................................ 994
Aequorin Luminescence: Relation of Light Emission to Calcium Concentration—A Calcium-Independent Component: D. G. Allen, J. R. Blinks, F. G. Prendergast .......................... 996
Conjugal Transfer of the Gonococcal Penicillinase Plasmid: B. I. Eisenstein et al. ........ 998
Conditioned Narcotic Withdrawal in Humans: C. P. O’Brien et al. ................................ 1000
Species Identification in the North American Cowbird: Appropriate Responses to Abnormal Song: A. P. King and M. J. West .................................................. 1002
Phenylethanolamine: A New Putative Neurotransmitter in Aplysia: J. M. Saavedra et al. .................................................................................. 1004
Ecdysis: Neural Orchestration of a Complex Behavioral Performance: J. R. Carlson and D. Bentley .................................................................. 1006
MEETINGS
Gordon Research Conferences: A. M. Cruickshank ......................................................... 1009
PRODUCTS AND MATERIALS
Gas Chromatograph-Mass Spectrometer; Automated Peptide Synthesizer; Separatory Funnel Shaker; Hand Pump System for Membrane Filtration; Fume Hood; Image Display System; Dissolved Oxygen Meter; Literature ........................................... 1036
COVER
Two species of North American cats. (Top) Restoration of extinct, cheetah-like cat (Felis trumani), late Pleistocene, North America; (bottom) living mountain lion (Felis concolor), late Pleistocene and recent of North and South America. See page 981. [Drawings by D. Adams]
Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**
Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/195/4282

**Permissions**
Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl