
EDITORIAL  Energy and the Shape of Society ................................................................. 889

ARTICLES  Evolution of Organelles and Eukaryotic Genomes: L. Bogorad ........................................... 894
Genetic Dissection of Behavior in Paramecium: C. Kung et al ......................................................... 896
Acoustic Microscopy: Biomedical Applications: R. A. Lemons and C. F. Quate ................................. 903

NEWS AND COMMENT  Nuclear Proliferation: India, Germany May Accelerate Its the Process ....................... 914
Nozzle Enrichment for Sale ......................................................................................... 917
Stanley Hathaway: The Senate Looks at a Controversial Nominee......................................................... 915
NSF Violations of Personnel Code Alleged ............................................................................. 919
OECD: Report on Research System Says the Honeymoon Is Over ......................................................... 921
Now, a Draft Sea Law Treaty—But What Comes After ...................................................................... 923

RESEARCH NEWS  Diabetes (III): New Hormones Promise More Effective Therapy ........................................... 926
Foundations of Mathematics: Ties to Infinite Games........................................................................... 929

BOARD OF DIRECTORS  ROGER REVELLE Retiring President, Chairman MARGARET MEAD President WILLIAM D. McELROY President-Elect RICHARD H. BOLT, KENNETH B. CLARK EMILIO Q. DADDARIO EDWARD E. DAVID, JR.

CHAIRMEN AND SECRETARIES OF AAAS SECTIONS  MATHEMATICS (A) Victor L. Klei President Truman A. Botts PHYSICS (B) Victor F. Weisskopf President Rolf M. Sinclair SOCIAL AND ECONOMIC SCIENCES (K) Seymour M. Lipset President Daniel Rich DENTISTRY (R) Clifton O. Duminett President Sholom Peariman PHARMACEUTICAL SCIENCES (S) James T. Doluisio President Raymond Jang

DIVISIONS  ALASKA DIVISION William E. Davis Chairman, Executive Committee Irna Duncan Executive Secretary PACIFIC DIVISION George A. Zemlyan President Robert T. Orr Secretary-Treasurer SOUTHWESTERN AND ROCKY MOUNTAIN DIVISION Max P. Dunfee Executive Offf

SCIENCE is published weekly, except for the last week in December, by the American Association for the Advancement of Science, 1515 Massachusetts Ave., NW, Washington, D.C. 20005. Now combined with the SCIENCE MONTHLY. Second-class postage paid at Washington, D.C. and additional entry. Copyright 1975 by the American Association for the Advancement of Science. Member rates on request. Annual subscription $60; foreign postage: Americas $7, overseas $8, air lift to Europe $30. Single copies $2 (back issues $3 except Food Issue 1 May 1975), is $3 and Guide to Scientific Instruments $6. School year subscription: 5 months $37.50; 10 months $41.75. Provide 6 weeks notice for change of address, sending new and old address and zip code. Send a recent address label. SCIENCE is indexed in the Reader's Guide to Periodical Literature.
BOOK REVIEWS

Last of the Naturalists, reviewed by C. Albritton: Chromosomes and Cancer, P. S. Gerald; Human Memory, T. Shallice; Transport Phenomena in Aqueous Solutions, D. C. Douglass ........................................... 925

REPORTS

Light Flashes Observed by Astronauts on Skylab 4: L. S. Pinsky et al. ........................................ 928

Binary Pulsar PSR 1913 + 16: Model for Its Origin: H. M. Van Horn et al. ........................................ 930


Pseudomyrmex nigropilosa: A Parasite of a Mutualism: D. H. Janzen ........................................ 936

Latent Infection of Sensory Ganglia with Herpes Simplex Virus: Efficacy of Immunization: R. W. Price et al. ........................................ 938


Thick and Thin Filaments in Postmitotic, Mononucleated Myoblasts: H. Holtzer et al. .................. 943

Tetanus Toxin: Direct Evidence for Retrograde Intraaxonal Transport: D. L. Price et al. .............. 945

Cell Surface Differences in Ducts from Cancerous and Noncancerous Human Breasts: E. Spring-Mills and J. J. Elias ........................................ 947

Retinal Degeneration Associated with Taurine Deficiency in the Cat: K. C. Hayes, R. E. Carey, S. Y. Schmidt ........................................ 949


Hawks Select Odd Prey: H. C. Mueller ........................................ 953

Learning: Rapid Aversive Conditioning in the Gastropod Mollusk Pleurobranchaea: G. J. Mptisos and S. D. Collins ........................................ 954


COVER

"Baby," a tamed American kestrel (Falco sparverius). Female, 4½ years old, owned by Michael Johnson, Reston, Virginia. See page 953. [Eric Poggenpohl, Science]