**LETTERS**

Nuclear Proliferation: J. J. Glackin; Indian Corn Cultivation: H. S. Russell; G. B. Warden; S. A. Moss; L. Ceci; Defending the Defenders: G. Wald .......................... 944

**EDITORIAL**

Freedom of Inquiry: DeWitt Stetten, Jr. ........................................ 953

**ARTICLES**

Electron-Hole Condensation in Semiconductors: C. D. Jeffries ......................... 955

Immunoglobulin-Receptors Revisited: E. S. Vitetta and J. W. Uhr ...................... 964

The Need for an Ethnomedical Science: H. Fabrega, Jr. ................................ 969

**NEWS AND COMMENT**

Meeting on Unity of the Sciences: Reflections on the Rev. Moon .......................... 975

Johnson Health Policy Fellows: Joining the Scientific and Political .................. 977

Biology in Europe: The Wrangling Is Over, EMBO Has a Lab ................................ 981

Interior: President's Nominee for Secretary Has His Problems ........................ 982

**RESEARCH NEWS**

Cascading Bifurcations: The Mathematics of Chaos ........................................ 984

Paleontology: Facing a Choice Between Fossils and Trash .................................. 985

**BOOK REVIEWS**

Variability of Mammals, reviewed by G. G. Simpson; Uniqueness and Diversity in Human Evolution, H. M. McHenry; The Genetics of Behavior, L. Ehrman and J. Leonard; Comprehensive Virology, A. S. Kaplan and C. M. Stoltzfus; Books Received .................................................. 987

---

**BOARD OF DIRECTORS**

| ROGER REVELLE | MARGARET MEAD | WILLIAM D. MC ELROY | RICHARD H. BOLT | EMILIO Q. DADDARIO |
| Retiring President, Chairman | President | President-Elect | | Edward E. David, Jr. |

**CHAIRMEN AND SECRETARIES OF AAAS SECTIONS**

| MATHEMATICS (A) | PHYSICS (B) | CHEMISTRY (C) | ASTRONOMY (D) | ENGINEERING (M) |
| Truman A. Botts | Rolf M. Sinclair | Leo Schubert | Arlo S. Landolt | Paul H. Robbins |

| PSYCHOLOGY (J) | SOCIAL AND ECONOMIC SCIENCES (K) | HISTORY AND PHILOSOPHY OF SCIENCE (L) | INFORMATION, COMPUTING, AND COMMUNICATION |
| Richard C. Atkinson | Seymour M. Lipset | Roger C. Buck | Martin Greenberger |
| Edwin P. Hollander | Daniel Rich | George Basalla | Joseph Becker |

| EDUCATION (G) | DENTISTRY (B) | PHARMACEUTICAL SCIENCES (S) | |
| F. James Rutherford | Clifton O. Dummett | James T. Doluisio | |
| Phillip R. Fordyce | Sholom Pearlman | Raymond Jang | |

**DIVISIONS**

| ALASKA DIVISION | PACIFIC DIVISION | SOUTHWESTERN AND ROCKY MOUNTAIN DIVISION |
| Chair | Executive Secretary | President | Executive Officer |
| William E. Davis | Irma Duncan | Richard Walker | Max P. Dunford |
| | | Robert T. Orr | |

---

*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 Scientific 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 $50; foreign postage: Americas $7, overseas $8; air lift to Europe $30. Single copies $2 (back issues $3) except Food Issue (9 May 1973) is $3 and Guide to Scientific Instruments is $6. School year subscription: 9 months $37.50; 10 months $41.75. Provide 6 weeks notice for change of address, giving new and old address and zip codes. Send a recent address label. *Science* is indexed in the Reader's Guide to Periodical Literature.
REPORTS


Infrared Transmittance as an Alternative Thermal Strategy in the Desert Beetle Onymacris plana: K. Henwood ........................................... 993

Optical Holographic Three-Dimensional Ultrasonography: G. Baum and G. W. Stroke .......................................................... 994

Biological Uptake of Dissolved Silica in the Amazon River Estuary: J. D. Milliman and E. Boyle ........................................... 995

Skeletal Low-Magnesium Calcite in Living Scleractinian Corals: J. E. Houck, R. W. Buddemeier, K. E. Chave ........................................... 997


Visual Tracking and the Primate Flocculus: F. A. Miles and J. H. Fuller .......................................................... 1000

Antimitotic Activity of the Potent Tumor Inhibitor Maytansine: S. Remillard et al. .......................................................... 1002

Cancer by County: New Resource for Etiologic Clues: R. Hoover et al. .......................................................... 1005

Somatostatin: Abundance of Immunoactive Hormone in Rat Stomach and Pancreas: A. Arimura et al. .......................................................... 1007


Loss of X-Cells in Lateral Geniculate Nucleus with Monocular Paralysis: Neural Plasticity in the Adult Cat: D. L. Brown and W. L. Salinger .......................................................... 1011


PRODUCTS AND MATERIALS

Liquid Chromatograph; Uric Acid Determination; Thin-Layer Chromatography Plate; Conductivity Meter; Fraction Collectors; Fluorogenic Reagent; Literature .......................................................... 1016

COVER

Electron-hole liquid drop (about × 76) in germanium. A 4-millimeter disk is stressed by a screw (top), cooled to 2°K, and optically excited with an argon-ion laser beam. Electrons and holes condense into a constant density plasma which collects in the potential well produced by the inhomogeneous stress. Photograph was made by imaging the electron-hole recombination radiation (17,400 angstroms) onto an infrared Vidicon image tube. See page 955. [J. P. Wolfe, W. L. Hansen, E. E. Haller, R. S. Markiewicz, C. Kittel, and C. D. Jeffries, University of California, Berkeley]