

LETTERS	Jury Selection: <i>S. Lavisky</i> ; Hydrogen Storage: <i>W. H. Brattain</i> and <i>C. J. W. Gunsul</i> ; Presidential Science Advising: <i>C. Kaysen</i> and <i>P. Kakela</i> ; Copyright Policy: <i>F. Burkhardt</i> ; <i>N. C. Moran</i> ; <i>W. J. Fraser</i> ; <i>N. L. Henry</i>	302
EDITORIAL	Genetic Engineering: How Great Is the Danger?: <i>B. D. Davis</i>	309
ARTICLES	Molluscan Phylogeny: The Paleontological Viewpoint: <i>B. Runnegar</i> and <i>J. Pojeta, Jr.</i>	311
	Marijuana and Driving in Real-Life Situations: <i>H. Klonoff</i>	317
	University Research and The New Federalism: <i>D. C. Spiestersbach</i> , <i>M. E. Hoppin</i> , <i>J. McCrone</i>	324
NEWS AND COMMENT	Manslaughter: The Charge against Edelin of Boston City Hospital	327
	Brain Drain Is Hampering Development in LDC's	329
	Sex Therapy: Making It as a Science and an Industry	330
RESEARCH NEWS	Stratospheric Pollution: Multiple Threats to Earth's Ozone	335
BOOK REVIEWS	Social Processes of Scientific Development, reviewed by <i>A. Thackray</i> ; Metal Ions in Biological Systems and Inorganic Biochemistry, <i>L. H. Pignolet</i> ; Theoretical Nuclear Physics, <i>D. R. Inglis</i> ; Physics of Dense Matter, <i>E. E. Salpeter</i> ; The World of Walther Nernst, <i>M. J. Klein</i> ; Books Received	339
ANNUAL MEETING	Science and Human Imagination: <i>A. Herschman</i> ; Housing and Registration Forms	344

Downloaded from http://science.sciencemag.org/ on February 24, 2019

BOARD OF DIRECTORS

LEONARD M. RIESER
Retiring President, Chairman

ROGER REVELLE
President

MARGARET MEAD
President-Elect

RICHARD H. BOLT
BARRY COMMONER

EMILIO Q. DADDARIN
EDWARD E. DAVID, J.

CHAIRMAN AND SECRETARIES OF AAAS SECTIONS

MATHEMATICS (A)
John G. Kemeny
Truman A. Botts

PHYSICS (B)
Solomon J. Buchsbaum
Rolf M. Sinclair

CHEMISTRY (C)
Milton Harris
Leo Schubert

ASTRONOMY (D)
Ivan R. King
Arlo U. Landolt

PSYCHOLOGY (J)
Charles Cofer
Edwin P. Hollander

SOCIAL AND ECONOMIC SCIENCES (K)
George J. Stigler
Daniel Rich

HISTORY AND PHILOSOPHY OF SCIENCE (L)
Owen Gingerich
George Basalla

ENGINEERING
Byron D. Taple
Paul H. Robbins

EDUCATION (Q)
J. Myron Atkin
Phillip R. Fordyce

DENTISTRY (R)
Howard M. Myers
Sholom Pearlman

PHARMACEUTICAL SCIENCES (S)
Louis P. Jeffrey
John Autian

INFORMATION AND COMMUNICATIONS
Martin Greenberger
Joseph Becker

DIVISIONS

ALASKA DIVISION

William E. Davis
Chairman, Executive Committee

Irma Duncan
Executive Secretary

PACIFIC DIVISION

Robert C. Miller
President

Robert T. Orr
Secretary-Treasurer

SOUTHWESTERN AND ROCKY MOUNTAIN DIVISION

Joseph A. Schuffe
President

Max P. Dunford
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. Copyright © 1974 the American Association for the Advancement of Science. Member rates on request. Annual subscription \$40; foreign postage: Americas \$6, overseas: \$8, air lift to Europe \$2. Single copies \$1 (back issues, \$2) except *Guide to Scientific Instruments* which is \$4. School year subscription: 9 months \$30; 10 months \$33.50. 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.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

REPORTS	Paleomagnetic Dating of Cave Paintings in Tito Bustillo Cave, Asturias, Spain: <i>K. M. Creer and J. S. Kopper</i>	348
	Water Salination: A Source of Energy: <i>R. S. Norman</i>	350
	Asteroids: Surface Composition from Reflection Spectroscopy: <i>T. B. McCord and M. J. Gaffey</i>	352
	Volcanic Dust and Meteor Rates: <i>J. A. Kennewell and C. D. Ellyett</i>	355
	Synthesis of Cell Wall Microfibrils in vitro by a "Soluble" Chitin Synthetase from <i>Mucor rouxii</i> : <i>J. Ruiz-Herrera and S. Bartnicki-Garcia</i>	357
	Neuroblastoma: Drug-Induced Differentiation Increases Proportion of Cytoplasmic RNA That Contains Polyadenylic Acid: <i>S. C. Bondy, K. N. Prasad, J. L. Purdy</i> ..	359
	Deuterium Micromapping of Biological Samples by Using the D(T,n) ⁴ He Reaction and Plastic Track Detectors: <i>F. H. Geisler et al.</i>	361
	Singlet Excited Oxygen as a Mediator of the Antibacterial Action of Leukocytes: <i>N. I. Krinsky</i>	363
	Mammalian Hepatic Lectin: <i>R. J. Stockert, A. G. Morell, I. H. Scheinberg</i>	365
MEETINGS	Gordon Research Conferences: Winter Program, 1975: <i>A. M. Cruickshank</i>	367
PRODUCTS AND MATERIALS	Organic Carbon Analyzer; Tunable Laser; Disposable Chromatograph Columns; Reagent for Trace Metal Analysis; Cortisol Radioimmunoassay; Sample Atomizer; Fun with a Microscope Kit; Petri Dish Filler; Literature	376

 Downloaded from <http://science.sciencemag.org/> on February 23, 2019

TH M. DAVIS RD H. GOODENOUGH	CARYL P. HASKINS CHAUNCEY STARR	WILLIAM T. GOLDEN Treasurer	WILLIAM BEVAN Executive Officer
OLOGY AND GEOGRAPHY (E) h L. Smiley on E. Bisque	BIOLOGICAL SCIENCES (G) Beatrice M. Sweeney Jane C. Kaltenbach	ANTHROPOLOGY (H) Bernice Kaplan Philleo Nash	
DICAL SCIENCES (N) il J. Farber hard J. Johns	AGRICULTURE (O) Ned D. Bayley J. Lawrence Apple	INDUSTRIAL SCIENCE (P) Gabor Strasser Robert L. Stern	
TISTICS (U) n W. Tukey a Glaser	ATMOSPHERIC AND HYDROSPHERIC SCIENCES (W) William R. Bandeen Stanley A. Changnon, Jr.	GENERAL (X) Frederick Seitz Joseph F. Coates	

COVER

Electron micrograph of chitin microfibrils assembled in vitro (about $\times 64,000$). See page 357. [V. O. Sing, J. Ruiz-Herrera, and S. Bartnicki-Garcia, University of California, Riverside]

Science

186 (4161)

Science **186** (4161), 302-377.

ARTICLE TOOLS

<http://science.sciencemag.org/content/186/4161>

PERMISSIONS

<http://www.sciencemag.org/help/reprints-and-permissions>

Use of this article is subject to the [Terms of Service](#)

Science (print ISSN 0036-8075; online ISSN 1095-9203) is published by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. 2017 © The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works. The title *Science* is a registered trademark of AAAS.