

LETTERS	Organic Farming Methods: <i>S. R. Aldrich</i> ; Excess of Bladder Cancer in Beauticians?: <i>J. Menkart</i> ; Succulent Stalks: <i>G. N. Tsandoulas</i>	96
EDITORIAL	Grade Inflation: <i>A. Etzioni</i>	101
ARTICLES	Manned Submersible Observations in the FAMOUS Area: Mid-Atlantic Ridge: <i>R. D. Ballard et al.</i>	103
	Transform Fault and Rift Valley from Bathyscaph and Diving Saucer: <i>ARCYANA</i>	108
	Processing of Newly Synthesized Histone Molecules: <i>A. Ruiz-Carrillo, L. J. Wangh, V. G. Allfrey</i>	111
NEWS AND COMMENT	Solar Research Sweepstakes: States Vie for a Place in the Sun	128
	Aircraft Carriers: Pentagon Split on Issue That Will Shape Navy's Future	130
	Zumwalt Decries Nuclear Theology	131
	Zen and the Art of Big Mirror Making	132
	Kleppe for Interior: Senators Give an Old Friend Kid Glove Treatment	134
RESEARCH NEWS	Ribosomes (I): Genetic Studies with Viruses	135
	Magnetic Monopole Reconsidered: Another Interpretation	136
BOOK REVIEWS	The Psychology of Sex Differences, reviewed by <i>W. Emmerich</i> ; Cell Patterning, <i>M. A. Russell</i> ; Evolution and Extinction Rate Controls, <i>J. W. Valentine</i> ; Books Received	140

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

BOARD OF DIRECTORS	ROGER REVELLE Retiring President, Chairman	MARGARET MEAD President	WILLIAM D. MC ELROY President-Elect	RICHARD H. BOLT KENNETH B. CLARK	EMILIO Q. DADDARIO EDWARD E. DAVID, JR.
CHAIRMAN AND SECRETARIES OF AAAS SECTIONS	MATHEMATICS (A) Victor L. Klee Truman A. Botts	PHYSICS (B) Victor F. Weisskopf Rolf M. Sinclair	CHEMISTRY (C) William E. Hanford Leo Schubert	ASTRONOMY (D) Carl Sagan Ario U. Landolt	
	PSYCHOLOGY (J) Richard C. Atkinson Edwin P. Hollander	SOCIAL AND ECONOMIC SCIENCES (K) Seymour M. Lipset Daniel Rich		HISTORY AND PHILOSOPHY OF SCIENCE (L) Roger C. Buck George Basalla	
	EDUCATION (Q) F. James Rutherford Phillip R. Fordyce	DENTISTRY (R) Clifton O. Dummett Sholom Pearlman	PHARMACEUTICAL SCIENCES (S) James T. Doluisio Raymond Jang	INFORMATION, COMPUTING, AND COMMUNICATIONS (T) Martin Greenberger Joseph Becker	
DIVISIONS	ALASKA DIVISION Donald W. Hood Chairman, Executive Committee	KEITH B. MATHER Executive Secretary	PACIFIC DIVISION Richard Walker President	ALAN E. LEVITON Secretary-Treasurer	SOUTHWESTERN AND ROCKY MOUNTAIN DIVISION M. Michelle Baker President Max P. Dunford Executive Office

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 © 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 1975) 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	Mantle Plume Mixing Along the Reykjanes Ridge Axis: Leading Isotopic Evidence: <i>S.-S. Sun, M. Tatsumoto, J.-G. Schilling</i>	143
	Flooding Frequency of Hypersaline Coastal Environments Determined by Orbital Imagery: Geologic Implications: <i>S. P. Vonder Haar and D. S. Gorsline</i>	147
	Hydrogen Cyanide Production During Reduction of Nitric Oxide over Platinum Catalysts: <i>R. J. H. Voorhoeve et al.</i>	149
	The Cation $H_{13}O_6^+$: A Short, Symmetric Hydrogen Bond: <i>R. A. Bell et al.</i>	151
	Hyperbaric Hydrogen Therapy: A Possible Treatment for Cancer: <i>M. Dole, F. R. Wilson, W. P. Fife</i>	152
	Implication of <i>Phlebotomus</i> Sand Flies as Vectors of Bartonellosis and Leishmaniasis as Early as 1764: <i>A. Herrer and H. A. Christensen.</i>	154
	Delivery of Quaternary Pyridinium Salt Across the Blood-Brain Barrier by Its Dihydropyridine Derivative: <i>N. Bodor, E. Shek, T. Higuchi.</i>	155
	Neurotransmitters Increase Cyclic Nucleotides in Postganglionic Neurons: Immunocytochemical Demonstration: <i>J. W. Keabian et al.</i>	157
	Genetic Control of Chloroform Toxicity in Mice: <i>R. N. Hill et al.</i>	159
	Monthly Gonadotropin Cycles in Premenarcheal Girls: <i>J. W. Hansen, H. J. Hoffman, G. T. Ross.</i>	161
	Somatostatin Suppresses Secretin and Pancreatic Exocrine Secretion: <i>G. Boden et al.</i>	163
	Food Preference and Length of Life: <i>M. H. Ross and G. Bras</i>	165
	Satiety: A Graded Behavioral Phenomenon Regulating Caloric Intake: <i>P. R. McHugh, T. H. Moran, G. N. Barton</i>	167
	Sexual Inhibition Is Reduced by Rostral Midbrain Lesions in Male Rat: <i>T. K. Clark et al.</i>	169
	<i>Technical Comments:</i> Glucose-6-Phosphate Deficiency and Inhibition by NADPH: A Self-Contradictory Argument: <i>H. N. Kirkman and G. D. Gaetani; A. Yoshida</i>	171
PRODUCTS AND MATERIALS	Microprocessor for Spectrometry; Blood Cell Counter; Column Packing Material; Ultracentrifuge; Fume Hood; Blood Lead Screening Fluorimeter; Aerosol Hologram Analyzer; Literature	175

Downloaded from <http://science.sciencemag.org/> on February 21, 2019

JTH M. DAVIS ARD H. GOODENOUGH	FREDERICK MOSTELLER CHAUNCEY STARR	WILLIAM T. GOLDEN Treasurer	WILLIAM D. CAREY Executive Officer
EOLOGY AND GEOGRAPHY (E) William E. Benson Armon E. Bisque	BIOLOGICAL SCIENCES (G) Hans Laufer Jane C. Kaltenbach	ANTHROPOLOGY (H) Ruth L. Bunzel Philleo Nash	
EDICAL SCIENCES (N) Robert Austrian Richard J. Johns	AGRICULTURE (O) Paul E. Waggoner J. Lawrence Apple	INDUSTRIAL SCIENCE (P) Jordan D. Lewis Robert L. Stern	
STATISTICS (U) Earl A. Bennett Ira Glaser	ATMOSPHERIC AND HYDROSPHERIC SCIENCES (W) Charles E. Anderson Stanley A. Changnon, Jr.	GENERAL (X) Athelstan F. Spilhaus Joseph F. Coates	

COVER

Portions of a difference map for the $H_{13}O_6^+$ ion and the surrounding C_1^- ions showing the electron density associated with the hydrogen atoms. Contours are drawn at 0.2, 0.3, and 0.4 electron/Å³. See page 151. [R. A. Bell *et al.*, California Institute of Technology, Pasadena, California]

Science

190 (4210)

Science **190** (4210), 96-184.

ARTICLE TOOLS

<http://science.sciencemag.org/content/190/4210.citation>

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.