LETTERS

EDITORIAL
Global Science Policy: Lord Ritchie-Calder ........................................... 1147

ARTICLES
Long Journey into Tunneling: L. Esaki ................................................. 1149
Optimization in Ecology: M. L. Cody .................................................. 1156
Should the History of Science Be Rated X?: S. G. Brush .............. 1164

NEWS AND COMMENT
Uranium Enrichment: Rumors of Israeli: Progress with Lasers .......................... 1172
U.S.-U.S.S.R. Détente: Bumpy Progress on the Agricultural Front .... 1175
Land Use: Rules Panel and Nixon Leave House Bill in Limbo ............. 1177
Herbicides: Academy Finds Damage in Vietnam War after a Fight of Its Own 1178

RESEARCH NEWS
RNA Viruses: The Age of Innocence Ends ........................................... 1181

BOOK REVIEWS
Gravitation, reviewed by D. W. Sciama; Gravity and Tectonics, A. L. Hales; Our Environment, M. I. Goldman; The Mathematical Theory of the Dynamics of Biological Populations, R. M. May; The Many-Worlds Interpretation of Quantum Mechanics, P. G. Federbush; Phytochemistry, A. W. Naylor .......... 1186

REPORTS
Lunar Surface: Identification of the Dark Mantling Material in the Apollo 17 Soil Samples: C. Pieters et al. .................................................. 1191

BOARD OF DIRECTORS

LEONARD M. RIESER
ROGER REVELLE
MARGARET MEAD
RICHARD H. BOLT
EMILIO G. DADDARIO

Retiring President, Chairman
President
President-Elect
BARRY COMMONER
EDWARD E. DAVID, JR.


EDITORIAL
Global Science Policy: Lord Ritchie-Calder ........................................... 1147

ARTICLES
Long Journey into Tunneling: L. Esaki ................................................. 1149
Optimization in Ecology: M. L. Cody .................................................. 1156
Should the History of Science Be Rated X?: S. G. Brush .............. 1164

NEWS AND COMMENT
Uranium Enrichment: Rumors of Israeli: Progress with Lasers .......................... 1172
U.S.-U.S.S.R. Détente: Bumpy Progress on the Agricultural Front .... 1175
Land Use: Rules Panel and Nixon Leave House Bill in Limbo ............. 1177
Herbicides: Academy Finds Damage in Vietnam War after a Fight of Its Own 1178

RESEARCH NEWS
RNA Viruses: The Age of Innocence Ends ........................................... 1181

BOOK REVIEWS
Gravitation, reviewed by D. W. Sciama; Gravity and Tectonics, A. L. Hales; Our Environment, M. I. Goldman; The Mathematical Theory of the Dynamics of Biological Populations, R. M. May; The Many-Worlds Interpretation of Quantum Mechanics, P. G. Federbush; Phytochemistry, A. W. Naylor .......... 1186

REPORTS
Lunar Surface: Identification of the Dark Mantling Material in the Apollo 17 Soil Samples: C. Pieters et al. .................................................. 1191

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, 1519 Massachusetts Ave., NW, Washington, D.C. 20005. New combined with The Scientific Monthly® Second-class postage paid at Washington, D.C. Copyright © 1976 by the American Association for the Advancement of Science. Member rates on request. Annual subscription $30; foreign postage: Americas $4, overseas $5, air lift to Europe $16. Single copies $1 (back issues, $3) except Guide to Scientific Instruments which is $4. School year subscription: 9 months $22.50, 10 months $25. New rates will become effective 1 May 1974. 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.
Polarized Magnetic Field Fluctuations at the Apollo 15 Site: Possible Regional Influence on Lunar Induction: G. Schubert et al. ........................................ 1194

Mercury: Does Its Atmosphere Contain Water?: G. E. Thomas ........................................ 1197

Stimulation of 24,25-Dihydroxyvitamin D³ Production by 1,25-Dihydroxyvitamin D³: Y. Tanaka and H. F. DeLuca ........................................ 1198

Collagen Polymorphism: Characterization of Molecules with the Chain Composition [α1(III)]₃ in Human Tissues: E. Chung and E. J. Miller ........................................ 1200

Visna Virus Infection of American Lambs: O. Narayan et al. ........................................ 1202

Amino Acid Sequence of Rabbit Muscle Aldolase and the Structure of the Active Center: C. Y. Lai, N. Nakai, D. Chang ........................................ 1204

Diarrhea Toxin Obtained from a Waterbloom-Producing Species, Microcystis aeruginosa Kützing: K. M. S. Aziz ........................................ 1206

Carbon Fixation and Isotope Discrimination by a Crassulacean Plant: Dependence on the Photoperiod: J. C. Lerman and O. Queiroz ........................................ 1207

Redirection of Filial Attachments in Rhesus Monkeys: Dogs as Mother Surrogates: W. A. Mason and M. D. Kenney ........................................ 1209

Site of Neural Attenuation of Responses to Self-Vocalized Sounds in Echolocating Bats: N. Suga and T. Shimozawa ........................................ 1211

Technical Comments: “Very High Alumina Basalt”: A Mixture and Not a Magma Type: E. Dowty, M. Prinz, K. Keil ........................................ 1214

ASSOCIATION AFFAIRS

NOVA: Program Summaries of New Science TV Series ........................................ 1216

MEETINGS

Biotransformations and Fermentations: J. P. Rosazza; Genetic Recombination: Genetic, Physical, and Biochemical Aspects: A. Skalka, A. Weissbach, P. Bartl; Pharmacology and Toxicology Applied to the Treatment of Patients: G. J. Cosmides; Forthcoming Events ........................................ 1217

PRODUCTS AND MATERIALS

Electrobalance; Molecular Emission Cavity Analysis; Flow Direction Adaptor for Laser Doppler Anemometer; Colony Counter: Literature ........................................ 1229

COVER

A young rhesus monkey clings to its canine companion. Young monkeys differing in age and social history developed strong and specific attachments when housed individually with dogs. These results raise questions concerning critical periods in primate attachments and the irreversibility of filial bonds. See page 1209 [Jeff Fricker, University of California, Davis]
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/183/4130.citation

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