LETTERS  Side Effects of 5-Thio-d-Glucose: J. W. Kalat; Safety of Ultrasound Diagnosis: W. L. Nyborg; Breast Cancer Treatments: M. Bergner; Solar Ponds: P. Nielsen; P. P. Hudec and P. Sonnenfeld; Herbicide Use in Vietnam: P. Kunstader 

EDITORIAL  Social Sciences, Future Tense: L. Reissman 

ARTICLES  Anthropological Film: A Scientific and Humanistic Resource: E. R. Sorenson 

Rice Breeding and World Food Production: P. R. Jennings 


NEWS AND COMMENT  Green Revolution (1): A Just Technology Often Unjustly Used 

Council for a Livable World: Dispute over Campaign Finance Disclosure 

Academy for Contemporary Problems: Mixed Parentage, Ambitious Aims 

RESEARCH NEWS  Computers: First the Maxi, Then the Mini, Now It's the Micro 

Aging Research (1): Cellular Theories of Senescence 

BOOK REVIEWS  Memory and Nerve Cell Connections, reviewed by A. D. Grinnell; Surface Carbohydrates of the Eukaryotic Cell, A. Eichholz; Characterization of Solid Surfaces, G. A. Somorjai; Chemistry in Botanical Classification, O. T. Solbrig 

ANNUAL MEETING  1975 AAAS Science Film Festival: Interscience International 

BOARD OF DIRECTORS

LEONARD M. RIESER  Retiring President, Chairman 

ROGER REVELLE  President 

MARGARET MEAD  President-Elect 

RICHARD H. BOLT  BARry COMMONER  EMILLO Q. DADDARIO  EDWARD E. DAVID, JR. 

CHAIRMEN AND SECRETARIES OF AAAS SECTIONS

MATHEMATICS (A)  John G. Kennedy 

John A. Bond 

Truman A. Botts 

PHYSICS (B)  Solomon J. Buchsbaum 

Rolf M. Sinclair 

SOCIAL AND ECONOMIC SCIENCES (C)  Milton Harris 

Leo Schubert 

HISTORY AND PHILOSOPHY OF SCIENCE (D)  Ivan R. King 

Arlo U. Landolt 

ENGINEERING (E)  Byron D. Tapley 

Paul H. Robbin 

INFORMATION AND COMMUNICATION (F)  Martin Greenberger 

Joseph Becker 

EDUCATION (G)  Charles Cofa 

Edwin P. Hollander 

DENTISTRY (H)  Howard W. Myers 

Shalom Pearlman 

PHARMACOLOGICAL SCIENCES (I)  Louis P. Jeffrey 

John Autian 

DIVISIONS

ALASKA DIVISION  William E. Davis  Chairman, Executive Committee 

Anne Duncan  Executive Secretary 

PACIFIC DIVISION  George A. Zentmyer  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 by the American Association for the Advancement of Science. Member rates on request. Annual subscription $49; foreign postage: Americas $35; overseas: $5; air lift to Europe $25. Single copies $1 (back issues $2). Except to 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 code. Send a recent address label. Science is indexed in the Reader's Guide to Periodical Literature.
Reports

Scaling Stride Frequency and Gait to Animal Size: Mice to Horses: N. C. Heglund, C. R. Taylor, T. A. McMahon .................................................. 1112

Vermetid Gastropods and Intertidal Reefs in Israel and Bermuda: U. N. Safriel .................. 1113

Radioimmunossay for Human Procollagen: M. B. Taubman, B. Goldberg, C. J. Sherr .......................................................... 1115

Adenosine 3',5'-Monophosphate Content in Rat Caudate Nucleus: Demonstration of Dopaminergic and Adrenergic Receptors: J. Forn, B. K. Krueger, P. Greengard ........................................... 1118

Lead Contamination around Secondary Smelters: Estimation of Dispersal and Accumulation by Humans: T. M. Roberts et al. ................................................. 1120

Viability of Stored Seed: Extension by Cathodic Protection: N. W. Pammenter, J. H. Adamson, P. Berjak .................................................................................. 1123

Serological Detection of Mixed Lymphocyte Culture Identity between Cells That Differ by One HLA-Haplotype: T. Kovithavong et al. ........................................ 1124

Dendritic Spine “Dysgenesis” and Mental Retardation: D. P. Purpura ................................ 1126

Synergism of Insecticides by Herbicides: Effect of Environmental Factors: T. T. Liang and E. P. Lichtenstein .......................................................... 1128

Target Structure and Echo Spectral Discrimination by Echolocating Bats: J. A. Simmons et al. ......................................................................................... 1130

Neural Basis of Orientation Perception in Primate Vision: R. J. W. Mansfield ............... 1133


Meetings

The Brain: An Endocrine Organ and Hormone Target: W. E. Stumpf and L. D. Grant; Transmissible Disease and Blood Transfusion: R. Y. Dodd, Forthcoming Events ........................................................................ 1137

Cover

Toddler explores his surroundings. Fore children of New Guinea are provided considerable freedom to pursue their spontaneous interests and predilections without adult concern or interference. This freedom extends to exploring the characteristics of potentially dangerous objects such as axes or knives. See page 1079. [E. Richard Sorenson, Smithsonian Institution, Washington, D.C.]