LETTERS
Trustees of Civilization: A. Paolino; M. D. Cannon; P. J. Stamler; K. Sax; G. Audesirk; G. Hardin; fd Virus Photo: G. W. Stroke; Research on Narcotic Antagonists: L. Bergner; Two Kinds of Perpetual Motion: D. L. Wilson

EDITORIAL
The Role of Scientific Instrumentation

ARTICLES
Interstellar Molecules and Dense Clouds: D. M. Rank, C. H. Townes, W. J. Welch

NEWS AND COMMENT
DDT: In Field and Courtroom, a Persistent Pesticide Lives on
Community Mental Health Centers: Growing Movement Seeks Identity
The Great Race: Virus Find Awakens Hope for Sufferers
Mobile TB X-ray Units: An Obsolete Technology Lingers

BOOK REVIEWS
Changes and Continuity in Infancy, reviewed by W. Emmerich; other reviews by W. L. Godwin, G. R. Willey, D. J. Warner, J. W. Hedgpeth, D. Epel, L. J. Battan; Books Received

REPORTS
Acceleration of Nitrogen Ions to 7.4 Gev in the Princeton Particle Accelerator: M. G. White et al.

BOARD OF DIRECTORS
ATHELSTAN SPILHAUS, Jr.
President, Chairman

MINA REES
President

GLENN T. SEABORG
President-Elect

DAVID BLACKWELL
President Executive Secretary

LEWIS M. BRANDS
Executive Secretary

VICE PRESIDENTS AND SECTION SECRETARIES
MATHEMATICS (A)
Henry O. Pollak
F. A. Ficken

PHYSICS (B)
Gyorgy A. Harlow
Albert M. Stone

CHEMISTRY (C)
Charles C. Price
Leo Schubert

ASTRONOMY (D)
Laurence W. Fredrick
Arlo U. Landolt

HISTORY AND PHILOSOPHY OF SCIENCE
Cyril Smith
Raymond J. Seager

SOCIAL AND ECONOMIC SCIENCES (K)

EDUCATION (Q)
J. David Lockard
Phillip R. Fordyce

PHARMACEUTICAL SCIENCES (N)
Wallace L. Guess
John Aultman

AGRICULTURE (O)
Matthew J. Staley
Michael A. Farrell

INDUSTRIAL SCIENCE (P)
Burton V. Dean
Jordan D. Lewis

DIVISIONS
ALASKA DIVISION
Laurence L. Shull
President

PACIFIC DIVISION
George E. Lindsay
President

SOUTHWESTERN AND ROCKY MOUNTAIN DIVISION
John R. Lacher
President

EXECUTIVE SECRETARY
I. R. Duncanson

SCIENCE is published weekly, except the last week in December, by the American Association for the Advancement of Science, 1515 Massachusetts Ave., N.W., Washington, D.C. 20005. Second-class postage paid at Washington, D.C. Copyright © 1971 by the American Association for the Advancement of Science. Annual subscription $20; foreign postage: Americas $3; overseas $5: air freight to Europe, North America, Near East $1; Canada $1. School year subscription: 9 months, $15; 10 months, $16.75. Provide 4 weeks notice of 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.
Prediction of the Spatial Distribution of Cell Survival in Heavy Ion Beams: K. G. Vosburgh ............................................................... 1125
Spatial Distribution of Biological Effect in a 3.9-Gev Nitrogen Ion Beam: P. Todd et al. ................................................................. 1127
Acceleration of Heavy Ions at the Bevatron: H. A. Grunder, W. D. Hartsough, E. J. Lofgren ......................................................... 1128
Fragmentation of Nitrogen-14 Nuclei at 2.1 Gev per Nucleon: H. H. Heckman et al. ................................................................. 1130
Radiological Physics Characteristics of the Extracted Heavy Ion Beams of the Bevatron: C. A. Tobias et al. ................................. 1131
Autoimmune Murine Thyroiditis Relation to Histocompatibility (H-2) Type: A. O. Vladutiu and N. R. Rose ........................................ 1137
Genetic Control of an Insect Neuronal Network: D. R. Bentley .......................................................... 1139
Raman Spectrum of a Transfer RNA: M. Tsuboi et al. .............................................................................................................. 1142
Leech-Repellent Property of Eastern Red-Spotted Newts, Notophthalmus viridescens; F. H. Pough ......................................................... 1144
Visual and Auditory Inputs into the Cuneate Nucleus: S. J. Jabbur et al. ...................................................................................... 1146

Technical Comments: Comparative Ability of Hycanthone and Miracil D to Interact with DNA: E. Hirschberg and I. B. Weinstein; Height, Weight and Age at Menarche and the “Critical Weight” Hypothesis: F. E. Johnston, R. M. Malina, M. A. Galbraith; R. E. Frisch, R. Revelle, S. Cook .............................................................................. 1147

MEETINGS
The 21st Pugwash Conference on Science and World Affairs: B. T. Feld; Regulation of Mammalian Reproduction: R. Crozier ........ 1150

CUMULUS CLOUDS
Science 174 (4014), 1077-1160.