LETTERS

EDITORIAL
Project Hindsight

ARTICLES
Ages of Horizon A and the Oldest Atlantic Sediments: J. Ewing et al.
Diversity: J. R. Platt
Seed Lipids: I. A. Wolf

NEWS AND COMMENT
Science Studies—A Gathering in Edinburgh; HEW—Reorganization Contemplated; Smithsonian—Slums in Museums?

BOOK REVIEWS

REPORTS
Magnetic Anomalies over the Pacific-Antarctic Ridge:
W. C. Pitman III and J. R. Heirzlzer
Copper Artifacts from Prehistoric Archeological Sites in the Dakotas:
W. E. Hill, Jr., and R. W. Neuman
Lithology and Paleontology of the Reflective Layer Horizon A:
T. Saito, L. H. Bureckle, M. Ewing
Melting of Tin Telluride at High Pressures: W. Klement, Jr., and L. H. Cohen
Mars Ice Caps: C. Leovy
Electrophoretic Variation of Galactose-1-Phosphate Uridyltransferase:
C. K. Mathai and E. Beatler

BOARD OF DIRECTORS
HENRY EYRING
Retiring President, Chairman

ALFRED S. ROMER
President

DON K. PRICE
President Elect

H. BENTLEY GLASS
DAVID R. GODDARD

MUDSON HOAG
MINA S. REES

VICE PRESIDENTS AND SECTION SECRETARIES

MATHEMATICS (A)
Albert W. Tucker
Wallace Givens

PHYSICS (B)
Allen V. Astin
Stanley S. Ballard

ANTHROPOLOGY (H)
Cora Du Bois
Anthony Leeds

PSYCHOLOGY (T)
Robert M. Gagne
Frank W. Finger

PHARMACEUTICAL SCIENCES (Np)
André Archembault
Joseph P. Buckley

AGRICULTURE (O)
Nyle C. Brady
Nad D. Bayley

INDUSTRIAL SCIENCE (P)
Ellis A. Johnson
Burton V. Dean

EDUCATION (Q)
Clarence H. B.
Frederic D.

DIVISIONS
ALASKA DIVISION
A. B. Colyer
President

Eleanor Viereck
Executive Secretary

PACIFIC DIVISION
Daniel G. Aldrich, Jr.
President

Robert C. Miller
Secretary

SOUTHWESTERN AND ROCKY MOUNTAIN DIVISION
Earl D. Camp
President

Marlowe G. Ander
Executive Secretary
Magnesium-28 in Rain: Produced by Cosmic Rays: L. Husein and P. K. Kuroda

Intracellular Absorption Difference Spectrum of Limulus Extra-Ocular Photolabile Pigment: G. C. Murray

Periventricular Cerebral Impedance after Intraventricular Injection of Calcium: H. H. Wang et al.

Electron Microscopy of Living Insects: R. F. W. Pease et al.

Establishment of Four Functional, Clonal Strains of Animal Cells in Culture: Y. Yasumura, A. H. Tashjian, Jr., G. H. Sato

Germination of Witchweed (Striga lutea Lour.): Isolation and Properties of a Potent Stimulant: C. E. Cook et al.

Low-Noise, Interference-Resistant Amplifier Suitable for Biological Signals: G. Schuler, G. Park, J. P. Erdl

Noncollagenous Nature of the Proteins of Shark Enamel: P. T. Levine et al.

Periodicity of Desert Rodent Activity: N. R. French, B. G. Maza, A. P. Aschwanden

Holomicrography: Transformation of Image during Reconstruction a posteriori: G. W. Ellis

Evidence from Cultured Leucocytes of Blood Cell Chimerism in Ex-Parabiotic Frogs: E. P. Volpe and B. M. Gebhardt

Simple Photoreceptors in Limulus polyphemus: R. Millecchia, J. Bradbury, A. Mauro

Visual Spatial Aftereffect from Prolonged Head Tilt: R. H. Day and N. J. Wade

Segregation of Sister Chromatids in Mammalian Cells: K. G. Lark, R. A. Consiglio, H. C. Minocha

Rapid and Marked Inhibition of Rat-Liver RNA Polymerase by Aflatoxin B1: H. V. Gelboin et al.

Deficits in Passive Avoidance and Fear Conditioning in Mice with Septal Lesions: B. M. Slotnick and M. E. Jarvik

Technical Comment: Sensitivity of Cardiac Actomyosin to Calcium: B. L. Fanburg

ASSOCIATION AFFAIRS

133rd AAAS Annual Meeting, Washington, D.C., 26–31 December 1966

MEETINGS

Forthcoming Events

COVER

This diatom was originally recorded as a holomicrogram of a bright-field microscope image which was transformed, after the fact, into interferometric phase-contrast and other types of microscope image. This procedure demonstrates the potential of holography as a means for freezing in time a transient event for subsequent examination by a variety of optical techniques. See page 1195. [Gordon W. Ellis, Dartmouth Medical School, Hanover, New Hampshire]