LETTERS
Identifying Great Teachers: D. A. Mathewes, Jr., H. T. Walsh, S. H. Bauer; Biomedical Sciences in Europe: R. K. Appleyard; Empiricism in Engineering and Science: H. J. Gray; For Complexity: W. F. Battig

EDITORIAL
The Federal Science Budget

ARTICLES
Microorganisms from the Gunflint Chert: E. S. Barghoorn and S. A. Tyler
These structurally preserved Precambrian fossils from Ontario are the most ancient organisms known.

Radio Frequency Stimulation: A Research and Clinical Tool: L. Eisenberg et al.
Stimulation of excitable tissues by radio frequency induction methods is discussed.

NEWS AND COMMENT
Congress and Science: Less Tension This Year—Arms Control Agency: President Seeks Bigger Budget

Report from Europe: West Germany Debates a “Cultural Crisis”: V. K. McElheny

BOOK REVIEWS
Environments of the Geologic Past: E. S. Deevey


REPORTS
Potassium Content of Illite: C. E. Weaver

Crystal Packing of Molecules: D. E. Williams


Late-Wisconsin End Moraines in Northern Canada: G. Falconer, J. T. Andrews, J. D. Ives


Radiocarbon Dates from a Tomb in Mexico: P. T. Furst

Polysomes from Yeast: Distribution of Messenger RNA and Capacity To Support Protein Synthesis in vitro: L. Marcus

Antibodies against the Component Polypeptide Chains of Bovine Insulin: Y. Yagi, P. Maier, D. Pressman


Hemoglobin Polymerization in Mice: A. Riggs

Histoplasma capsulatum: Occurrence in Soil from the Emilia-Romagna Region of Italy: G. Sotgiu et al.

Dimorphic Development of Transplanted Juvenile Gonads of Mosquitoes: J. F. Anderson and W. R. Horsfall

Tumor and Virus Antigens of Simian Virus 40: Differential Inhibition of Synthesis by Cytosine Arabinoside: F. Rapp, J. L. Melnick, T. Kitahara

Adrenal Response to Fighting in Mice: Separation of Physical and Psychological Causes: F. H. Bronson and B. E. Eleftheriou

Feeding Stimulants for the Female House Fly, Musca domestica Linnaeus: W. E. Robbins et al.

Preference for Shapes of Intermediate Variability in the Newborn Human: M. Hershenson, H. Munsinger, W. Kessen

Comments on Reports: Echinococcus multilocularis in a Beef Cow from the Middle West: T. B. Magath; Pollen from Alaska and the Origin of Ice Ages: W. L. Donn, M. Ewing, P. A. Collinvaux

MEETINGS

Ethology and Experimental Psychology: W. N. Schoenfeld and S. H. Baron; Protoplasts and L-Forms: T. R. Hamilton; Marine Microorganisms: M. B. Allen; Forthcoming Events

DEPARTMENTS

New Products

COVER

Fossil forms discovered in the 18th century by German geologist Johann Bartholomew Adam Beringer, a transitional figure in the history of geology. Unaware that these exotic "fossils" had been placed in his dig by colleagues, Beringer published a treatise to interpret them. His discovery of a "fossil" bearing his own name made him aware of the hoax. See book review of Approaches to Paleoecology, p. 592. [From The Lying Stones of Dr. Beringer, Melvin E. Jahn and Daniel J. Wolff, University of California Press, Berkeley]