LETTERS
Could Pterosaurs Fly?: C. H. Greenewalt; D. A. Lawson
Sea-Floor Exploration: G. G. Shor, Jr.; DOD Sponsored Research: W. E. Spicer; R. N. Anthony;
S. A. Glantz and N. V. Albers; Cabbage Cigarettes?: J. F. Morton.

EDITORIAL
The Shaming of Science

ARTICLES
Scientific Freedom and Responsibility: J. T. Edsall
Social Indicators: E. B. Sheldon and R. Parke
The Comparative Analysis of Learning: M. E. Bitterman

NEWS AND COMMENT
Deep Sea Recovery: From Mohole to Glomar Explorer
Privacy: Congressional Efforts Are Coming to Fruition
Stamp Out Food Faddism
NIH: Reunion Held to Boost Morale and Gain Political Visibility
Schmidt Talks About What Is Good and Not So Good About Federal Support of Biomedical Research

RESEARCH NEWS
Embryo Development: Debate over Aggregation Factors
Fermilab Flexes Its Muscle
RESEARCH NEWS
Semiconductors: Epitaxial Growth of Laser Diodes ........................................ 720
Weisskopf on the Frontiers and Limits of Science ........................................ 721

BOOK REVIEWS
Ribosomes, reviewed by S. R. Fahnestock: The Significance of Zoochromes,
M. Fingerman; Temperature and Life, K. Bowler; Nonequilibrium Statistical
Thermodynamics, E. Gross and L. Schwartz; Books Received .......................... 723

REPORTS
Geomagnetic Variations in the Eastern United States: Evidence for a
Highly Conducting Lower Crust?: R. N. Edwards and J. P. Greenhouse .............. 726
Aerosols and Polar Temperature Changes: R. A. Reck .............................. 728
Uniflagellate Spermatozoa in Nemertoderma (Turbellaria) and Their
Phylogenetic Significance: S. Tyler and R. M. Rieger ........................... 730
Human Lymphocytes: Similarity of B and T Cell Surface Morphology:
E. L. Alexander and B. Wetzel .................................................. 732
Polyzonimine: A Novel Terpenoid Insect Repellent Produced by a Milliped:
J. Smolanoff et al. ................................................ 734
Lung Cancer Induced in Hamsters by Low Doses of Alpha Radiation from
Polonium-210: J. B. Little, A. R. Kennedy, R. B. McGandy ...................... 737
Tetrachlorodibenzodioxin: An Accidental Poisoning Episode in Horse Arenas:
C. D. Carter et al. ................................................ 738
Mechanism of Insulin-Induced Paralysis of Muscles from Potassium-Depleted
Rats: L. Kao and A. M. Gordon ................................................... 740

COVER
Midnight encounter? The photograph, taken at night on sandy terrain near Lake
Placid, Florida, shows the typical parallel tracks of the millipede Narceus gordanus,
with a conspicuous bend where the animal changed direction after having met
and presumably repelled the attack of a small vertebrate whose tracks are
also visible. Millipedes are protected by noxious secretions from their defensive
glands. A novel nitrogen-containing terpene has been isolated from the glands
of one species. See page 734. [Thomas Eisner, Cornell University, Ithaca, New
York]