LETTERS
- Exposure to Alkyl Mercury: G. F. Wright
- Need for Graduate Education: W. Trager
- Breath Test Machines: N. H. Spector
- “Back-to-the-Wall” Effect?: W. Simon
- Teflon Membrane: W. B. Elliott

EDITORIAL
- AAAS Meeting—Where the Action Is

ARTICLES
- The Cholinergic Synapse and the Site of Memory: J. A. Deutsch
- Persistent Cultural Systems: E. H. Spicer

NEWS AND COMMENT
- Lead in the Air: Industry Weight on Academy Panel Challenged
- Kansas State U.: Whatever Happened to Good Old State U.?
- Hexachlorophene: FDA Temporizes on Brain-Damaging Chemical

RESEARCH TOPICS
- Breeder Reactors: Power for the Future

BOOK REVIEWS
- The Insect Societies, reviewed by O. W. Richards; other reviews by H. K. Geiger, M. E. Hertzig, C. P. Leblond, D. B. Wilson, L. N. Edmunds, Jr., B. S. Rabinovitch; Books Received

REPORTS
- Submarine Pinos in the Beaufort Sea: J. M. Shearer et al.
- Uranium Distributions in Archeologic Ceramics: Dating of Radioactive Inclusions: D. W. Zimmerman
Evolving Subduction Zones in the Western United States, as Interpreted from Igneous Rocks: P. W. Lipman, H. J. Prostka, R. L. Christiansen .......................... 821
Precambrian Columnar Stromatolite Diversity: Reflection of Metazoan Appearance: S. M. Awramik .......................................................... 825
Eutrophication of Lake Water Microcosms: Phosphate versus Nonphosphate Detergents: D. Mitchell ......................................................... 827
Asymmetry, Its Importance to the Action and Metabolism of Abscisic Acid: E. Sondheimer et al. ................................................................. 829
Anemic Stress as a Trigger of Myelogenous Leukemia in Rats Rendered Leukemia-Prone by X-ray: J. K. Gong ........................................... 833
Neuronal GM1 Gangliosidosis in a Siamese Cat with β-Galactosidase Deficiency: H. J. Baker, Jr., et al. ......................................................... 838
Simultaneous Detection of Reverse Transcriptase and High Molecular Weight RNA Unique to Oncogenic RNA Viruses: J. Schlom and S. Spiegelman .............. 840
Activation of Spontaneous Murine Leukemia Virus–Related Antigen by Lymphocytic Choriomeningitis Virus: M. B. A. Oldstone, T. Aoki, F. J. Dixon ........................................ 843

ASSOCIATION AFFAIRS


MEETINGS

Ion Flow in Membranes: L. J. Mullins; Membrane Structure: D. E. Green .......................... 861

COVER

Pingo rising out of the flat landscape near the village of Tuktoyaktuk, Northwest Territories. In size and shape, this pingo is practically identical to those found on the floor of the Beaufort Sea (background). Photograph was taken from the top of another pingo. See page 816. [Roger Belanger, Atlantic Oceanographic Laboratory, Dartmouth, Nova Scotia, Canada]