LETTERS

EDITORIAL
The Chinese A-Bomb

ARTICLES
High-Field Galvanomagnetic Properties of Metals: W. A. Reed and E. Fawcett
Chemical and Anatomical Plasticity of Brain: E. L. Bennett et al.
University Organization for Geophysics Education: W. A. Baum

NEWS AND COMMENT
Basement Science—The Tale of a Policeman-Scientist; Money for Science—Growing, But at a Slower Rate; Communications Satellite Corporation—Settling Down to Business
Report from Europe: Triennial Review of Astronomy: V. K. McElheny

BOOK REVIEWS
Advances in Metabolic Disorders, reviewed by J. Wyngaarden; other reviews by H. Rouse, J. W. Hedgpeith, J. B. Brown, G. W. Watt, W. R. Brode, H. Friedmann

REPORTS
Origin of High-Alumina Basalt, Andesite, and Dacite Magmas: W. Hamilton
Sea Water: Saturation with Apatites and Carbonates: J. R. Kramer
Cigarette Smoke: Charcoal Filters Reduce Components That Inhibit Growth of Cultured Human Cells: P. S. Thayer and C. J. Kessler
Systematic Error in Leaf Water Potential Measurements with a Thermocouple Psychrometer: S. L. Rawlins
Biological Rhythms: A New Type in Strains of a Mutant of Neurospora crassa: P. W. Neurath and M. D. Berliner
Toxic Lysolipoid: Isolation from *Pseudomonas pseudomallei*: M. S. Redfearn

Proton Tunneling in Radiation-Induced Mutation: R. Rein and F. E. Harris

Effects of Polycyclic Aromatic Carcinogens on Viral Replication: Similarity to Actinomycin D: E. De Maeyer and J. De Maeyer-Guignard

Ash Content: Its Effect on Combustion of Corn Plants: A. Broido and M. A. Nelson

DNA Synthesis in Alveolar Cells of the Mammary Gland: Acceleration by Ovarian Hormones: F. Bresciani

Antibody Synthesizing Cells: Appearance after Secondary Antigenic Stimulation in vitro: M. Richardson and R. W. Dutton

DDT: A New Hypothesis of Its Mode of Action: R. D. O'Brien and F. Matsumura


Antibody Formation in vitro by Separated Spleen Cells: Inhibition by Actinomycin or Chloramphenicol: S.-E. Svehag

Induction of Several Adaptive Enzymes by Actinomycin D: F. Rosen et al.

Transplantation of Rat Bone Marrow in Irradiated Mice: Effect of Exposure Rate: N. Gengozian

Maternal Facilitation of Sucking Drive in Newborn Lambs: G. Alexander and D. Williams


Visual Experience in Infants: Decreased Attention to Familiar Patterns Relative to Novel Ones: R. L. Fantz


ASSOCIATION AFFAIRS

Pest Control Symposium

MEETINGS

Vitamin B₃: R. H. Bunnell; Forthcoming Events

DEPARTMENTS

New Products

COVER

Crystal blades of a toxic and hemolytic lipoid isolated from *Pseudomonas pseudomallei*. This compound closely simulates the toxic activities of the homologous lipopolysaccharide in mice but is different enough not to be characterized in the traditional sense as endotoxin (Polarizing microscope, about × 75). See page 648. [J. Nicholas Schutz, Naval Biological Laboratory, Oakland, California]