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EDITORIAL
The Chinese A-Bomb

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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—Growth, 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. Hedgpeht, J. B. Brown, G. W. Watt, W. R. Brode, H. Friedmann

REPORTS
Origin of High-Alumina Basalt, Aneside, 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. Kenser
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

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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

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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. Gengoian

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


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Vitamin B: 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 \( \times 75 \)). See page 648. [J. Nicholas Schutz, Naval Biological Laboratory, Oakland, California]
Editor's Summary

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