LETTERS

EDITORIAL
Robert H. Goddard

ARTICLES
Ground-Based Astronomy: A Ten-Year Program
A report prepared by the Panel on Astronomical Facilities for the Committee on Science and Public Policy of the National Academy of Sciences.

Tissue Culture Studies of the Human Lymphocyte: J. H. Robbins
Experiments under controlled conditions provide new information on this cell's function and potentiality.

Scientific Information Exchange in Psychology: W. D. Garvey and B. C. Griffith
The immediate dissemination of research findings is described for one science.

NEWS AND COMMENT
Oceanography: Cost-effectiveness argument—NAE: Engineers Get Their Academy—NIH: Career Awards Ended—Heart Disease, Cancer and Stroke: Some Radical Proposals

BOOK REVIEWS
The Development of Geomorphology: J. H. Mackin

We Are Not Alone: The Search for Intelligent Life on Other Worlds: L. W. Fredrick; other reviews by R. C. Elderfield, R. A. Nyquist, J. V. Finch, M. L. Goldeberger, S. W. Staley, G. H. Weiss, L. C. Van Atta, K. O. May

REPORTS
Radar Observations of the Corona and Mariner II Measurements of the Flux in the Solar Wind: J. C. Brandt
Diamond Synthesis with Bridgman Opposed-Anvil Apparatus: F. P. Bundy  
Paleozoic Mollusk: Hyolithes: L. Marek and E. L. Yochelson  
Collagenous Layer Covering the Crown Enamel of Unerupted Permanent Human Teeth: P. T. Levine, M. J. Glimcher, L. C. Bonar  
Hereditary Deficiency of Serum α-Antitrypsin: F. Kueppers, W. A. Briscoe, A. G. Bearn  
Serum Albumin: Polymorphism in Man: G. Efremov and M. Braend  
Allergic Encephalomyelitis: A Hyperacute Form: S. Levine and E. J. Wenk  
Blood Vessels of the Mammalian Renal Medulla: R. K. Plakke and E. W. Pfeiffer  
Calotropin, a Cytotoxic Principle Isolated from Asclepias curassavica L.: S. M. Ktupchan et al.  
Thermoregulatory and Adaptive Behavior of Brown Adipose Tissue: R. E. Smith  
Differentiation in Fern Gametophytes Treated with Purine and Pyrimidine Analogs: V. Raghavan  
Ethylation: Biological Formation of an S-Ethyl Homolog of Lincomycin: E. L. Patterson et al.  
Nervous Control of Ciliary Activity: E. Aiello and G. Guideri

MEETINGS

COVER
Patterns produced by simultaneous initiation of a thin explosive disk at eight equidistant points. Picture sequence (at 600,000 frames per second) shows expansion, collisions, and interactions of detonation wave fronts. Symmetry of the wave patterns throughout the sequence is evidence of the remarkable uniformity in both initiation timing and detonation rate of the explosive. See page 1635. [U.S. Naval Weapons Laboratory]
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