LETTERS

EDITORIAL
New Centers of Excellence

ARTICLES
Organic Fluorine Chemistry: C. G. Krespan
Expanding rapidly, the science of these compounds has assumed both theoretical and practical importance.

The Biological Synthesis of Cholesterol: K. Bloch

Predation, Body Size, and Composition of Plankton: J. L. Brooks and S. I. Dodson
The effect of a marine planktivore on lake plankton illustrates theory of size, competition, and predation.

NEWS AND COMMENT
Strip Mining: New Controls in Kentucky—Defense: Foster Heads DDR&E—Congress: Arts and Humanities Foundation Is Created

BOOK REVIEWS
Quaternary Geology Reviewed: C. B. Hunt

Radiative Heat Exchange in the Atmosphere, reviewed by R. Goody; other reviews by W. B. Mann, G. L. Pearson, J. E. Shockley, B. G. Anex

REPORTS
Gemini V Experiments on Zodiacal Light and Gegenschein: E. P. Ney and W. F. Huch

Silicates: Reactivity with Sea Water: F. T. Mackenzie and R. M. Garrels
Leukocyte Alkaline Phosphatase: Electrophoretic Variants Associated with Chronic Myelogenous Leukemia: J. C. Robinson, J. E. Pierce, D. P. Goldstein

A Wandering Enteropneust from the Abyssal Pacific, and the Distribution of "Spiral" Tracks on the Sea Floor: D. W. Bourne and B. C. Heezen

Spectrum of the Intensity Variations in 3C 273B: P. Maltby and A. T. Moffett


Glucose-6-Phosphate Dehydrogenase Mosaicism: Utilization as a Cell Marker in the Study of Leiomyomas: D. Lindler and S. M. Gartler

Hormone-Induced Stabilization of Soluble RNA in Pea-Stem Tissue: F. E. Bendana and A. W. Galston

Short- and Long-Lived Messenger RNA in Embryonic Chick Lens: R. Reeder and E. Bell

Catalase: Kinetics of Photooxidation: S. Arnoff

Catalase Photoinactivation: R. L. Mitchell and I. C. Anderson

Polonium-210 in Leaf Tobacco from Four Countries: L. P. Gregory


Comments on Reports: Abnormal Corallites: P. R. White; J. D. Soule; D. F. Squires; Quasi-Stellar Source 3C 273 B: Variability in Radio Emission: G. B. Field; Forelimb Deformity in Rats: Association with Acetazolamide: T. H. Maren; W. M. Layton, Jr., and D. W. Hallesy

MEETINGS Molecular Basis of Heredity: S. E. Luria; Forthcoming Events

COVER Autoradiographs reveal the pattern of protein synthesis in sections of 12-day-old chick lenses labeled with C¹⁴-leucine. Labeling with precursors of proteins and nucleotides aids in elucidating molecular events in the lens during differentiation. (Autoradiograph negative; the average length of the long axis of the lens is 1.6 millimeters.) See page 71. [R. Reeder and E. Bell, Massachusetts Institute of Technology]
Editor's Summary

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