LETTERS

EDITORIAL
The Martian Environment

ARTICLES
Experimental Phenylketonuria in Infant Monkeys: H. A. Waisman and H. F. Harlow
A high phenylalanine diet produces abnormalities simulating those of the hereditary disease.

Short-Period Climatic Fluctuations: J. Namias
The nature and cause of climatic abnormalities lasting from a month to a few years is discussed.

Science in Mainland China: A Tourist's Impressions: C. H. G. Oldham
Visits to universities and research institutes show significant efforts to bring science to the people.

NEWS AND COMMENT
National Academy: A Full-Time President—Lysenko: Out of Power—Congress: Educational R&D

BOOK REVIEWS
Peaceful Uses of Atomic Energy: J. D. Cockcroft


REPORTS
Fluorescence Polarization: Measurement with Ultraviolet-Polarizing Filters in a Spectrophotofluorometer: R. F. Chen and R. L. Bowman

Pressure Dependence of the Alpha-Beta Transition Temperature in Silver Selenide: M. D. Banus

Screw Dislocations in Graphite: G. R. Hennig


Anomalous Abundance of Upper Atmosphere Sodium, 1964: C. R. Burnett
Neon Isotope Fractionation during Transient Permeation: S. N. I. Rama and S. R. Hart


Enzyme from Soil Bacterium Hydrolyzes Phenylcarbamate Herbicides: P. C. Kearney and D. D. Kaufman

Pressure-Induced Color Mutation of Euglena gracilis: J. A. Gross

Complement and Hemolytic Antibody: Changes in Their Activity Induced by Mercaptooethanol: M. M. Frank, T. Borsos, H. J. Rapp

Pronuclear Ovum from a Patient Using an Intrauterine Contraceptive Device: R. W. Noyes et al.

Lymphocyte Lifetime in Women: A. Norman et al.

Drug Antagonism between Lincomycin and Erythromycin: L. J. Griffith et al.

Probiotics: Growth-Promoting Factor Produced by Microorganisms: D. M. Lilly and R. H. Stillwell

American Cockroach Sex Attractant: M. Jacobson and M. Beroza

Mutagenicity of a Monofunctional Alkylating Agent Derivative of Acridine in Neurospora: H. E. Brockman and W. Goben

Immun assay for Human Chorionic “Growth Hormone-Prolactin” in Serum and Urine: S. L. Kaplan and M. M. Grumbach


Isolation and Characterization of DNA from Kinetoplasts of Leishmania enriettii: H. G. du Buy, C. F. T. Mattern, F. L. Riley

Ontogeny of Adventive Embryos of Wild Carrot: W. Halperin and D. F. Wetherell

Brightness Discrimination in the Collared Lizard: V. J. Vance, A. M. Richardson, R. B. Goodrich

MEETINGS

Extracellular Matrices: K. Meyer, D. W. Richards, S. E. Bradley; Nuclear Medicine: D. B. Soddee; Bioclimatology: F. Sargent and S. Itoh; Forthcoming Events

DEPARTMENTS

New Products

COVER

Electron micrograph of screw dislocations in graphite. Dislocations are lattice defects resulting from an abnormal spiral arrangement of the planes of the atomic layer. While many such defects appear in artificial graphite, they are rarely present in natural graphite. They have been made visible under electron microscopy by a chemical etch in carbon dioxide and by a subsequent “decoration” with gold; the gold accumulated at the steps of the monatomic surface (about X 93). See page 733. [Argonne National Laboratory]
Editor's Summary

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