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The Martian Environment

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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

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Peaceful Uses of Atomic Energy: J. D. Cockcroft

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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 Mercaptoethanol: M. M. Frank, T. Borsos, H. J. Rapp

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

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Immunassay 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
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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 “decora- tion” with gold; the gold accumulated at the steps of the monatomic surface (about × 93). See page 733. [Argonne National Laboratory]
Editor's Summary

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