LETTERS

EDITORIAL
Advice for Congress

ARTICLES
Igneous Rocks of the East Pacific Rise: A. E. J. Engel and C. G. Engel
Infrared Spectroscopy and Catalysis Research: R. P. Eischens
Biomedical Science in Europe: R. P. Grant, C. P. Huttner, C. G. Metzner
Churchill College—A Modern University College: J. Cockcroft

NEWS AND COMMENT

BOOK REVIEWS

REPORTS
Interpretation of Ranger Photographs: J. A. O'Keefe
Carbonate Deposits and Paleoclimatic Implications in the Northeast Pacific Ocean: Y. R. Nayudu
Strontium Content and Variable Strontium-Chlorinity Relationship in the Sargasso Sea Water: F. T. Mackenzie
Crystal Structure of Weddellite: C. Sterling
High-Pressure Polymorphs in the Silver Iodide Phase Diagram: B. L. Davis and L. H. Adams
Effect of Traces of Large Molecules Containing Nitrogen on Hydrogen Overvoltage: W. Juda, M. S. Frant, D. N. Kramer
Semipermeable Microcapsules: T. M. S. Chang
Gene-Enzyme Relations in Histidine Biosynthesis in Yeast: G. R. Fink
Replication of the RNA of Bacteriophage R17: M. L. Fenwick, R. L. Erikson, R. M. Franklin
Amino Acids: Incorporation into α- and β-Chains of Hemoglobin by Normal and Thalassemic Reticulocytes: J. D. Heywood, M. Koron, S. Weissman
Human Wart Virus: In vitro Cultivation: S. Oroszlan and M. A. Rich
5-Bromodeoxyuridine: Effect on Myogenesis in vitro: F. Stockdale et al.
Enolase: Multiple Molecular Forms in Fish Muscle: H. Tsayuki and F. Wold
Enzymatic Mechanism for the Escape of Certain Moths from Their Cocoons: F. C. Kafatos and C. M. Williams
Plant Damage Caused by Irradiation of Aldehydes: I. J. Hindawi and A. P. Altshuller
Spore Discharge Mechanism in Basidiomycetes: L. S. Olive
Infestation of the Copepod Acartia tonsa with the Stalked Ciliate Zoanthium: S. S. Herman and J. A. Mihursky
Inducing Resistance to Freezing and Desiccation in Plants by Decenylsuccinic Acid: P. J. C. Kuiper
Potassium and Sodium Content of Tissues of Hamsters and Ground Squirrels during Hibernation: J. S. Willis
Nematode-Trapping Fungi: Evaluation of Axenic Healthy and Galled Roots as Trap Inducers: D. W. Ilfand and P. V. Allison
Complex Visual Concept in the Pigeon: R. J. Herrnstein and D. H. Loveland
Comments on Reports: Circadian Leaf Movements in Bean Plants: Earlier Reports: E. Bunning
Magnetic Resonance in Biological Systems: O. Jardetzky; Estuaries: G. H. Lauff; Bacterial Structure and Replication: R. M. Cole; Subunit Structure of Proteins: S. Lacks; Forthcoming Events
New Products

MEETINGS

DEPARTMENTS

COVER

Submarine lava flow of pillowed, tholeiitic basalt erupted from the earth's mantle onto the west flank of the East Pacific Rise. This primary oceanic basalt contains much less potassium, uranium, and thorium than most other oceanic and continental basalts. Depth of water, 2400 meters. See page 477. [Fred Dixon]