LETTERS

EDITORIAL
Books about Science

ARTICLES
A Comparison of U.S. and Soviet Efforts to Explore Mars:
B. C. Murray and M. E. Davies

U.S. effort remains minimal despite early success, Soviet effort remains large despite early failures.

The 1965 Eruption of Taal Volcano: J. G. Moore, K. Nakamura, A. Alcaraz

Catastrophic explosions are caused by lake water entering a volcanic conduit.

Molecular Orbital Densities: Pictorial Studies: A. C. Wahl

Comparisons of the hydrogen, lithium, boron, carbon, nitrogen, oxygen, and fluorine molecules.

NEWS AND COMMENT

Report from Europe: How Quickly Will Europe Close the Science Spending Gap?: V. K. McElheny

BOOK REVIEWS

REPORTS
Superconductivity of Beta-Uranium: B. T. Matthias et al.

Direct Evidence for the Cathodic Depolarization Theory of Bacterial Corrosion: W. P. Iverson
Acrylamide-Gel Electrophorograms by Mechanical Fractionation: Radioactive Adenovirus Proteins: J. V. Maizel, Jr. ................................. 988
Oxidation of Graphitic Carbon in Certain Soils: E. A. Shneour .................. 991
Polyribosome Disaggregation during Metaphase: M. D. Scharff and E. Robbins .......... 992
Culture of a Planktonic Calanoid Copepod through Multiple Generations: E. J. Zilliox and D. F. Wilson .................................................. 996
Antagonism of Purified Asparaginase from Guinea Pig Serum toward Lymphoma: T. O. Yellin and J. C. Wriston, Jr. ......................... 998
Electron Microscopic Autoradiography of Rabbit Reticulocytes Active and Inactive in Protein Synthesis: A. Miller and A. B. Maunsbach ............. 1000
Polyosome Morphology: Evidence for Endocrine Control during Chick Embryogenesis: M. B. Yatvin ....................................................... 1001
Quenchable High-Pressure Polymorph of Zinc Selenate: C. W. F. T. Pistorius ........ 1003
Actinomycin D: Inhibition of Respiration and Glycolysis: J. Laszlo et al. ............... 1007
Transport of Sugars and Amino Acids in the Intestine: Evidence for a Common Carrier: F. Alvarado ....................................................... 1010
Visually Evoked Potentials: Amplitude Changes with Age: R. E. Dustman and E. C. Beck ................................................................. 1013
Comment Report: Atmospheric Noble Gases from Extraterrestrial Dust: D. Tilles ..... 1015

MEETINGS Drus Affecting Lipid Metabolism: D. Kritchevsky; Forthcoming Events .......... 1016

COVER

Electron density contour diagrams displaying the molecular orbital model of the fluorine molecule. The total electron density is illustrated in the bottom, right-hand drawing; other diagrams are of the seven different molecular orbitals making up the molecule. These diagrams were calculated and drawn by electronic computers. See page 961. [Argonne National Laboratory, Argonne, Illinois]
Science 151 (3713), 935-1019.