
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.


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


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

Direct Evidence for the Cathodic Depolarization Theory of Bacterial Corrosion: W. P. Iverson
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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]
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