Editorial
Equal but Separate

Articles
Interior of the Moon: G. J. F. MacDonald
Observations from space vehicles will provide further clues to the history of the earth-moon system.

Eradication of Infectious Diseases: T. A. Cockburn
“Control” is an unending operation. After “eradication,” no further effort is required.

On the Unity of the Sciences: F. L. Horsfall, Jr.
Interactions among the physical and biological sciences show that unification is progressive.

Science in the News

Book Reviews
Television in the Lives of Our Children and The Impact of Educational Television, reviewed by M. Janowitz; other reviews

Reports
Oxygen Consumption of Tissues in the Human Lung: H. W. Fritts, Jr., D. W. Richards, A. Cournaud

Uptake of Tritium-Labeled Norepinephrine in Brain and Other Tissues of Cat in vivo: H. J. Dengler, H. E. Spiegel, E. O. Titus

Vessels in Roots of Marsilea: R. A. White

X-rays Affect the Incorporation of 5-Iododeoxyuridine into Deoxyribonucleic Acid: D. Gitlin et al.

Fallout Radioactivity in Cattle and Its Effects: M. A. Van Dilla, G. R. Farmer, V. R. Bohman

One-Trial Interhemispheric Transfer of a Learning Engram: I. S. Russell and S. Ochs

Seasonal Evisceration in the Sea Cucumber, Parastichopus californicus (Stimpson): E. F. Swan


Possible Effect of Lethal Visible Light on Year-Class Fluctuations of Aquatic Animals: A. Perlmutter

Formation of Free Radicals in Tritiated H2O and D2O Ice: J. Kroh, B. C. Green, J. W. T. Spinks

Departments
Letters from J. Bjorksten; J. R. Clark

Forthcoming Events; New Products

Cover
Replica of a fractured, frozen crystal of poliovirus, showing various planes within the crystal (electron microscope, x 100,000). See page 1059. [R. L. Steere and F. L. Schaffer, Biochimica et Biophysica Acta 28, 241 (1958); Virus Laboratory, University of California, Berkeley]