LETTERS
Crisis in NIH Funding: E. S. Vesell and H. G. Mandel; Health Effects of Radiation: B. L. Cohen

ARTICLES
The Other Frontiers of Science: D. A. Bromley
Endolithic Microorganisms in the Antarctic Cold Desert: E. I. Friedmann
Directly Transmitted Infectious Diseases: Control by Vaccination: R. M. Anderson and R. M. May

ASSOCIATION AFFAIRS
Reflections on Current Issues in Science and Technology: Anna J. Harrison
1981 Annual Report of the Executive Officer: W. D. Carey
AAAS Council Meeting, 1982: C. Borras

NEWS AND COMMENT
Hybridomas: The Making of a Revolution
The Pope’s Science Advisers
Budget Tailors Education to Reagan Pattern
DNA Rules Kept to Head Off New Laws
Briefing: Final Draft of Classification Order; DOD and University Presidents to Meet; Stanford, NAS Agree on Soviet Scholar; Swinger’s Guide to Science; NAS Elects Councillors, New Foreign Secretary; Primate Center Alive and Well

RESEARCH NEWS
Bubbles upon the River of Time
Leprosy Vaccine Trials to Begin Soon

BOOK REVIEWS
PRODUCTS AND MATERIALS

Densitometer; Heat-Light Separation Filters; Ion-Coupled Plasma Spectrometer; Particle Size Analyzer; Gas Chromatograph; Homogenizer; Literature

COVER
Comet Howard-Koomen-Michels (1979 XI) collided with the sun between 2200 and 2300 hours (Universal Time), 30 August 1979. (Upper frame) Recorded at 2049 UT by a satellite coronagraph, the comet is seen falling toward the sun with the coma at 3 solar radii elongation. (Lower frame) Collision's aftermath at 0821 UT, 31 August, with cometary debris scattered millions of kilometers into the solar corona. The central portion of each frame, out to 2.5 solar radii, is shadowed by the coronagraph's occulting mechanism; the solar disk has been added in photographic processing. See page 1097. [Computer color enhancement by S. A. Mango, Digital Image Processing Laboratory, Naval Research Laboratory, Washington, D.C.]