LETTERS  
Crisis in NIH Funding: E. S. Vesell and H. G. Mandel; Health Effects of Radiation: B. L. Cohen .................................................. 1026

EDITORIAL  
Fostering National Prestige ............................................. 1033

ARTICLES  
The Other Frontiers of Science: D. A. Bromley ............................................. 1035
Endolithic Microorganisms in the Antarctic Cold Desert: E. I. Friedmann ............ 1045
Directly Transmitted Infectious Diseases: Control by Vaccination: R. M. Anderson and R. M. May ............................................. 1053

ASSOCIATION AFFAIRS  
Reflections on Current Issues in Science and Technology: Anna J. Harrison ....... 1061
1981 Annual Report of the Executive Officer: W. D. Carey ..................................... 1063
AAAS Council Meeting, 1982: C. Borras ............................................. 1069

NEWS AND COMMENT  
Hybridomas: The Making of a Revolution ............................................. 1073
The Pope's Science Advisers. ............................................. 1076
Budget Tailors Education to Reagan Pattern ............................................. 1077
DNA Rules Kept to Head Off New Laws ............................................. 1079
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 Councilors, New Foreign Secretary; Primate Center Alive and Well ............................................. 1080

RESEARCH NEWS  
Bubbles upon the River of Time ............................................. 1082
Leprosy Vaccine Trials to Begin Soon ............................................. 1083

BOOK REVIEWS  
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 coronograph’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.]