LETTERS
Public Health Issues: Bendectin, Love Canal: B. Paigen; R. J. Smith; M. Levine

EDITORIAL
Affinities Between Scientists and Humanists: J. M. Banner, Jr.

ARTICLES
Synthesis Gas: A Raw Material for Industrial Chemicals: R. L. Pruett
Impact on Agriculture of the Mount St. Helens Eruptions: R. J. Cook et al.
The Hawaii to Tahiti Shuttle Experiment: K. Wyrki et al.

NEWS AND COMMENT
An Early Test of Reagan's Economics
Pentagon Orders End to Computer Babel
The Complete Index to Man
Dinosaur Battle Erupts in British Museum
Briefing: Joint Research Guidelines for Industry; Anti-Nuclear War Consciousness Raising; Long-Awaited Changes Made in Patent Law; Second Gene Splicer to Go Public

RESEARCH NEWS
Myasthenia Gravis Under Monoclonal Scrutiny
Anthropology Meeting Highlights: Biology and Culture Meet in Milk; Disease Clue to Dawn of Agriculture
Consensus on Bypass Surgery

AAAS NEWS
Science Celebrates 100th Anniversary; AAAS Socio-Psychological Prize; Report of West African Science Association; Obituaries

BOOK REVIEWS
The Rainmakers, reviewed by M. Sherwood; Pollution and Reform in American Cities, 1870-1930, L. P. Cain; Close Binary Stars, J. B. Hutchings; The Red Fox, E. D. Ables; Animal Sonar Systems, M. C. Caldwell and D. K. Caldwell; Books Received