LETTERS
Evolution and Prediction: N. Eldredge; A. B. Way; F. J. Sonleitner; B. R. Gross; Same Name, Different Spelling: B. Williamson

EDITORIAL
Science Policy and Congress

ARTICLES
Sludge Decomposition and Stabilization: R. Hartenstein
Chitin: New Facets of Research: P. R. Austin et al.
Ocean Research Under Foreign Jurisdiction: W. S. Wooster

NEWS AND COMMENT
Physicists Meet to Honor Sakharov
NAS Elects New Members
Laeitile Brush Fire Is Out, Scientists Hope
Watt Carves Up Strip-Mining Policy
Briefing: No Major Change in OMB View of A-21; Academy Protests Human Life Bill and Budget Cuts; Federal Science Policy Jobs Still Unfilled; Snail Darter's Status Threatened
Richard Garwin: Defense Adviser and Critic
Garwin and Weber's Waves

RESEARCH NEWS
An Experiment That Had to Succeed

BOOK REVIEWS
A New Contender in World Science: M. Oksenberg; other review by H. Rosenthal
Foundations of a Profession: J. W. Servos; other review by R. J. Brickman
A Prospectus of Knowledge: L. Galambos; other reviews by J. L. Heilbron, F. Samelson
Hamilton: M. J. Crowe; other reviews by J. W. Dauben, W. Shea
Reports

Microparticle Concentration Variations Linked with Climatic Change: Evidence from Polar Ice Cores: L. G. Thompson and E. Mosley-Thompson . 812
The Prolactin Gene Is Located on Chromosome 6 in Humans: D. Owerbach et al. 815
Feminizing Effect of Mesonephros on Cultured Differentiating Mouse Gonads and Ducts: A. G. Byskov and J. Grinsted .................. 817
Hormonal Requirements for Growth of Arterial Smooth Muscle Cells in vitro: An Endocrine Approach to Atherosclerosis: R. Weinstein, M. B. Stemerman, T. Maclag ........................................ 818
Normalization by Cell Fusion of Sister Chromatid Exchange in Bloom Syndrome Lymphocytes: Y. Shiraisii, S. Matsui, A. A. Sandberg ....................... 820
Increased Reproductive Effort with Age in the California Gull (Larus californicus): B. H. Pugesek ..................................................... 822
Growth and Reshaping of Axons in the Establishment of Visual Callosal Connections: G. M. Innocenti ............................................. 824
Two Distinct Central Serotonin Receptors with Different Physiological Functions: S. J. Peroukta, R. M. Lebovitz, S. H. Snyder ......................... 827
Rod-Cone Interaction in the Distal Human Retina: M. A. Sandberg, E. L. Berson, M. H. Effron ...................................................... 829
Color and Luminance: Independent Frequency Shifts: O. E. Favreau and P. Cavanagh ................................................................. 831

The oceanographer François Péron. Péron joined the 1800–1804 French expedition to Australian waters, led by Nicolás Baudin, as a zoologist. On this expedition more than 100,000 specimens of animals were collected. Péron also made systematic measurements of the temperature of the sea. [From Péron’s account of the expedition, Voyage de Découvertes aux Terres Australes; reproduced in I. S. F. Jones and J. E. Jones, “Early 19th century oceanography around Terra Australis,” in Oceanography: The Past, reviewed on page 792]