LETTERS  Evolution and Prediction: N. Eldredge; A. B. Way; F. J. Sonleitner; B. R. Gross; Same Name, Different Spelling: B. Williamson  737

EDITORIAL  Science Policy and Congress  741

ARTICLES  Sludge Decomposition and Stabilization: R. Hartenstein  743
Chitin: New Facets of Research: P. R. Austin et al.  749
Ocean Research Under Foreign Jurisdiction: W. S. Wooster  754

NEWS AND COMMENT  Physicists Meet to Honor Sakharov  756
NAS Elects New Members  757
Laetrile Brush Fire Is Out, Scientists Hope  758
Watt Carves Up Strip-Mining Policy  759
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  760
Richard Garwin: Defense Adviser and Critic  783
Garwin and Weber’s Waves  785

RESEARCH NEWS  An Experiment That Had to Succeed  787

BOOK REVIEWS  A New Contender in World Science: M. Oksenberg; other review by H. Rosenthal  770
Foundations of a Profession: J. W. Servos; other review by R. J. Brickman  773
A Prospectus of Knowledge: L. Galambos; other reviews by J. L. Heilbron, F. Samelson  775
Hamilton: M. J. Crowe; other reviews by J. W. Dauben, W. Shea  778
Bridges Past and Future: W. Zuk ........................................ 787
An American Geologist: K. B. Sterling; other reviews by A. Johnson, M. Rudwick ........................................ 789
Matters Relating to the Sea: C. Wunsch; other reviews by O. M. Phillips, G. P. Harris ........................................ 792
Managing Wetlands: R. E. Turner; other reviews by R. S. Alberte, H. W. Pfefferkorn ........................................ 795
Paleoanthropology Without Inhibitions: R. H. Tuttle; other reviews by E. C. Olson, G. E. Woofenden, H. B. S. Cooke, M. E. Feder ........................................ 798
Mechanisms of a Response: D. Crews; other review by D. Junge ........................................ 802
Nutrition During Pregnancy: J. D. Haas ........................................ 804
A Project in Social History: A. M. Guest; other review by J. A. Matthaei ........................................ 806
A Mesoamerican Culture: D. C. Grove ........................................ 808
Books Reviewed in Science ........................................ 834
Books Received ........................................ 838

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. Grinstein ........................................ 817
Hormonal Requirements for Growth of Arterial Smooth Muscle Cells in vitro: An Endocrine Approach to Atherosclerosis: R. Weinstein, M. B. Steiner, T. Maciag ........................................ 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. Perouka, R. M. Lebovitz, S. H. Snyder ........................................ 827
Rod-Cone Interaction in the Distal Human Retina: M. A. Sandberg, E. L. Berson, M. H. Efron ........................................ 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]