LETTERS  XYY Genotype: P. A. Jacobs; E. B. Hook; Bicentennial Bells: D. C. Schmidt; Journal Reviews: J. F. Burnett; Particle Discoveries at SLAC: W. K. H. Panofsky; Promising Chimpanzee: G. M. Burghardt; D. Premack  1044

EDITORIAL  Social Determinism and Behavioral Genetics: B. D. Davis  1049

ARTICLES  Energy Analysis and Public Policy: M. W. Gilliland  1051
Technical Assistance and Foreign Policy: G. S. Hammond and W. M. Todd  1057
Psychobiology of Reptilian Reproduction: D. Crews  1059

NEWS AND COMMENT  Technology Incentives Program: Success or a Phony Hard Sell?  1066
Medicine Without Frills: A Rural Hospital in Colombia  1067
Preventive Medicine: Legislation Calls for Health Education  1071

RESEARCH NEWS  Astronomy from Space: New Class of X-ray Sources Found  1073
Antibody Structure: Now in Three Dimensions  1075

BOOK REVIEWS  Dynamics of Growth in a Finite World, reviewed by E. van de Walle; The Science and Politics of L.Q., D. N. Jackson; Environmental Dynamics of Pesticides, J. R. Roberts; The Mitochondria of Microorganisms, R. A. Butow; Homogeneous Catalysis by Metal Complexes, G. M. Whitesides; The Coast and Shelf of the Beaufort Sea, J. D. Milliman; Fossil and Living Dinoflagellates, W. R. Evitt; Ice Physics, S. A. Rice; Books Received  1077
REPORTS

Paleoclimateological Analysis of Late Quaternary Cores from the Northeastern Gulf of Mexico: C. Emiliani et al. ............................................................... 1083
Spatial Scales of Current Speed and Phytoplankton Biomass Fluctuations in Lake Tahoe: T. M. Powell et al. ............................................................... 1088
The Possible Role of Histones in the Mechanism of Chromosomal G Banding: R. L. Brown, S. Pathak, T. C. Hsu ............................................................... 1090
Goldfish Abducens Motoneurons: Physiological and Anatomical Specialization: P. Sterling and P. Gestrin ............................................................... 1091
Nascent Stage of Cellulose Biosynthesis: G. G. Leppard, L. C. Sowden, J. R. Colvin ............................................................... 1094
Incisor Size and Diet in Anthropoids with Special Reference to Cercopithecidae: W. L. Hylander ............................................................... 1095
Crustacean Intestinal Detergent Promotes Sterol Solubilization: R. Lester et al. ............................................................... 1098
Arteriovenous Anastomoses in the Skin of the Weddell Seal, Leptonychotes weddelli: G. S. Molyneux and M. M. Bryden ............................................................... 1100
Color Vision and Brightness Discrimination in Two-Month-Old Human Infants: D. R. Peeples and D. Y. Teller ............................................................... 1102
Strange Females Increase Plasma Testosterone Levels in Male Mice; F. Macrides, A. Bartke, S. Dalterio ............................................................... 1104
Dystrophic Spinal Cord Transplants Induce Abnormal Thymidine Kinase Activity in Normal Muscles: M. P. Rathbone, P. A. Stewart, F. Vetrano ............................................................... 1106
Conditioning and Reversal of Short-Latency Multiple-Unit Responses in the Rabbit Medial Geniculate Nucleus: M. Gabriel, S. E. Saltwick, J. D. Miller ............................................................... 1108

PRODUCTS AND MATERIALS

Acoustic Microscope; Pyranometer Sensor and Integrator; Gonio-Microreflectometer Systems; Laboratory Instrument Programmer; Disposable Culture Tubes; Cell Culturing Station; Liquid Sample Concentrator; Rotational Viscometer; Hematocrit Centrifuge; Radioimmunoassay Instrumentation; Lyman Alpha Radiation Source; Lyman Alpha Optical Filters; Particle Counter; Automated Tape Library; Ionized Calcium Analyzer; Centrifuge; Literature ............................................................... 1110

COVER

Female Weddell seal and her pup lying on the ice of McMurdo Sound, Antarctica. These animals are the most southerly ranging mammals and spend much of the year beneath the ice. When on land, thermoregulation, by dissipation of heat, is aided by the high density of arteriovenous anastomoses which occur superficially in the skin. See page 1100. [R. A. Tedman, University of Queensland, St. Lucia, Brisbane, Australia]