LETTERS
Medical School Funding: R. W. Berliner; Chemical Carcinogenesis: Dose-Response Extrapolation: D. B. Clayson; Chimpanzee Task Force Report: A. N. Rowan ................................................................. 1066

EDITORIAL
International Cooperation in Earth Sciences ......................................................... 1071

ARTICLES
Submarine Thermal Springs on the Galápagos Rift: J. B. Corliss et al. ................ 1073
Mobilizing Technology for Developing Countries: C. Weiss, Jr. ............................ 1083

NEWS AND COMMENT
EPA Halts Most Use of Herbicide 2,4,5-T. ............................................................. 1090
Another Successful Quake Forecast ........................................................................ 1091
Scholarly Exchanges with China ............................................................................ 1092
The Phenformin Ban: Is the Drug an Inminent Hazard? ....................................... 1094
Soviet Jailings Hit by 2400 ..................................................................................... 1095
Briefing: Yankee Know-How and the Oil of Olé; Save the Bureaucracy or the Sea Turtle?; Lab at Memphis State Hit by Xylene Killer. ......................................................... 1096

RESEARCH NEWS
Blood Sugar and the Complications of Diabetes ..................................................... 1098

BOOK REVIEWS
Black-Body Theory and the Quantum Discontinuity, reviewed by R. McCormmach; The Genetics of the Jews, A. G. Motulsky; The Reptile Ear, M. J. Mulroy; Social Play in Primates, C. Coe; Books Received ......................................................... 1100

REPORTS
Molybdenum Disulfide in the Poorly Crystalline "Rag" Structure: R. R. Chianelli et al. ......................................................................................................................... 1105
Defects of Bile Acid Synthesis in Zellweger's Syndrome: R. F. Hanson et al. 1107
Cryptic Bioluminescence in a Midwater Shrimp: J. A. Warner, M. I. Latz, J. F. Case 1109
Phosphorylation of Isocitrate Dehydrogenase of Escherichia coli: M. Garnak and H. C. Reeves 1111
Cone Inputs to Ganglion Cells in Hereditary Retinal Degeneration: C. M. Cicerone, D. G. Green, L. J. Fisher 1113
DNA Repair and Longevity Assurance in Paramecium tetraurelia: J. Smith-Sonneborn 1115
Polyoma Virion and Capsid Crystal Structures: K. W. Adolph et al. 1117
Hybrid Myelomas Producing Antibodies Against a Human Neuroblastoma Antigen Present on Fetal Brain: R. H. Kennett and F. Gilbert 1120
Chemical Characterization of a Hormone That Promotes Cell Arrest in G2 in Complex Tissues: L. S. Evans et al. 1122
Multiple Sclerosis: Presence of Lymphatic Capillaries and Lymphoid Tissue in the Brain and Spinal Cord: J. W. Prineas 1123
Red-Absorbing Visual Pigment of Butterflies: G. D. Bernhard 1125
Semliki Forest Virus: Cause of a Fatal Case of Human Encephalitis: W. R. Willems et al. 1127
Opioid Peptides Modulate Luteinizing Hormone Secretion During Sexual Maturation: M. S. Blank, A. E. Panerai, H. G. Friesen 1129
A Test of Some Models of Hemispheric Speech Organization in the Left- and Right-Handed: P. Satz 1131
Enduring Changes in Dopamine Receptor Cells of Pups from Drug Administration to Pregnant and Nursing Rats: H. Rosengarten and A. J. Friedhoff 1133

MEETING  Gordon Research Conferences: A. M. Cruickshank 1141

COVER
Polyoma virus protein coat model as seen in a false color x-ray radiograph. The icosahedrally symmetric capsid structure is viewed along a twofold axis. The negative was exposed successively through a red and blue filter to produce a shamrock green combination of cyan and yellow in the print. See page 1117. [William Saunders and D. L. D. Caspar, Rosenstiel Center, Brandeis University, Waltham, Mass.]