LETTERS  Will Holography Revolutionize Crystallography?  C. K. Johnson; Probability of the Pittsburgh Deaths:  M. Kac and S. I. Rubinow; Labeling Theory: J. M. Townsend; N. Stillings; J. M. Murphy  .................................................. 478

EDITORIAL  Science and the Future of the Family:  A. Etzioni ........................................... 487

ARTICLES  Radioisotope Dating with a Cyclotron:  R. A. Muller ........................................ 489
Local Mate Competition and Parental Investment in Social Insects: R. D. Alexander and P. W. Sherman .......................................................... 494
The Elusive Rise in the American Birthrate:  C. Gibson ................................................... 500

NEWS AND COMMENT  Antarctic Problems: Tiny Krill to Usher in New Resource Era .......... 503
Rupert Cutler: The Environmentalist in the Farmer's Back Yard ................................ 505
Bergland to Redirect USDA Research? ................................................................. 506
Interior Department: Andrus Promises "Sweeping Changes" .................................. 507
Briefings: Nazi Coal Conversion Methods Reviewed; Mexican Heroin Flow Continues Unabated ............................................................ 508
FDA to Limit Drugs in Animal Feeds  ................................................................. 510

RESEARCH NEWS  Remote Sensing (I): Landsat Takes Hold in South America .......... 511
Remote Sensing (II): Brazil Explores Its Amazon Wilderness ................................ 513
Remote Sensing (III): The Tools Continue to Improve ........................................ 515

BOOK REVIEWS  Method and Appraisal in the Physical Sciences, reviewed by L. Laudan; Fossils and Progress, S. J. Gould; The Evolution of the Crystalline Rocks, D. S. Barker; The Geophysics of the Pacific Ocean Basin and Its Margin, P. Lonsdale; Books Received ........................................ 517
Quarks with Unit Charge: A Search for Anomalous Hydrogen: R. A. Muller et al.
Territorial Division: The Least-Time Constraint Behind the Formation of Subnational Boundaries: G. E. Stephan
Head Capsule Transmission of Long-Wavelength Light in the Curculionidae: J. R. Meyer.
Anomalous Temperature Dependence for a Partial Vapor Pressure: J. A. Roberts, Jr., and A. W. Searcy
Myasthenic Immunoglobulin Accelerates Acetylcholine Receptor Degradation: I. Kao and D. B. Drachman
Venereal Transmission of La Crosse (California Encephalitis) Arbovirus in Aedes triseriatus Mosquitoes: W. H. Thompson and B. J. Beaty
Internal Calcium Changes in a Bursting Pacemaker Neuron Measured with Arsenazo III: M. V. Thomas and A. L. F. Gorman
Sesquiterpene Antitumor Agents: Inhibitors of Cellular Metabolism: K.-H. Lee et al.
Antileukemia Activity in the Oscillatoriaceae: Isolation of Degradation of Hydrolysis from Lyngbya: J. S. Mynderse et al.
Partial Denervation Affects Both Denervated and Innervated Fibers in the Mammalian Skeletal Muscle: A. Cangiano and L. Latzemberger
Pheromonally Induced Sexual Maturation in Females: Regulation by the Social Environment of the Male: J. R. Lombardi and J. G. Vandenbergh
Schedule Control of Behavior Reinforced by Electrical Stimulation of the Brain: R. J. Beninger, F. Bellisle, P. M. Milner
Levodopa, Fertility and Longevity: G. C. Cotzias et al.
Classical Conditioning with Auditory Discrimination of the Eye Blink in Decerebrate Cats: R. J. Norman, J. S. Buchwald, J. R. Villablanca
Alcohol Drinking: Abnormal Intake Caused by Tetrahydropapaveroline in Brain: R. D. Myers and C. L. Melchior
Science 196 (4289), 478-558.