LETTERS

Uranium Enrichment Technology: H. A. Bethe; Polish Crackdown: S. Niewiarowski

EDITORIAL

Health and Behavior: D. A. Hamburg

ARTICLES

Mechanism and Stereoselectivity of Asymmetric Hydrogenation: J. Halpern
The Cholinergic Hypothesis of Geriatric Memory Dysfunction: R. T. Bartus et al.
Sugar and Dental Caries: A Review of Human Studies: E. Newbrun

NEWS AND COMMENT

Depo-Provera Debate Revs Up at FDA
NASA Student Rat Project Questioned
Industrial R & D Rises
ISABELLE Spending Questioned
Pot-Spraying Plan Raises Some Smoke

Briefing: West Germany Increases Space Research Funds; Still One Monkey to Go; PR for Nuclear Energy; EPA Issues Hazardous Waste Rules; NRC Puts Limit on Mental Stress Tests; Heart Institute Gets New Director; Debate Stirred by New Love Canal Report

RESEARCH NEWS

Topologists Started by New Results
Gene Scanning with Block Mutations
Quantum Mechanics Passes Another Test
BOOK REVIEWS
Fair Representation, reviewed by S. J. Brams and P. D. Straffin, Jr.; Genome Evolution and Evolution and Development; T. J. M. Schopf; Plasma Physics and Nuclear Fusion Research, J. L. Johnson; Mitosis/Cytokinesis, R. L. Margolis; Books Received

REPORTS
Pollination and Airflow Patterns Around Conifer Ovulate Cones: K. J. Niklas and K. T. Paw U
Resource Partitioning and Interspecific Competition in Two Two-Species Insular Anolis Lizard Communities: S. Pacala and J. Roughgarden
Manipulations of Endosperm Balance Number Overcome Crossing Barriers Between Diploid Solanum Species: S. A. Johnston and R. E. Hanneman, Jr.
Changes in the Cell Membranes of the Bullfrog Gastric Mucosa with Acid Secretion: C. Clausen, T. E. Machen, J. M. Diamond
Cysteamine: A Potent and Specific Depletor of Pituitary Prolactin: W. J. Millard et al.
Cure of Mice Infected with Trypanosoma rhodesiense by cis-Diaminedichloroplatinum (II) and Disulfiram Rescue: M. S. Wysor et al.
Small Nuclear RNA U2 Is Base-Paired to Heterogeneous Nuclear RNA: J. P. Calvet, L. M. Meyer, T. Pederson
Osmotic Swelling of Phospholipid Vesicles Causes Them to Fuse with a Planar Phospholipid Bilayer Membrane: F. S. Cohen, M. H. Akabas, A. Finkelstein
Rotating Shift Work Schedules That Disrupt Sleep Are Improved by Applying Circadian Principles: C. A. Czeisler, M. C. Moore-Ede, R. M. Coleman
Deficiency of Functional Messenger RNA for a Developmentally Regulated β-Crystallin Polypeptide in a Hereditary Cataract: D. Carper et al.

COVER
"Bobo," a 47-year-old male monkey (Cebus capucinus) believed to be the oldest documented monkey alive. Like most monkeys in excess of 20 years of age, he exhibits impairments in recent memory conceptually similar to those of aged humans. He is currently part of an integrated program designed to study factors responsible and methods for treating this and other age-related dysfunctions of central nervous system origin. See page 408. [Raymond T. Bartus, Lederle Laboratories, American Cyanamid Company, Pearl River, New York 10965]
Science 217 (4558), 398-464.