LETTERS
Computers as “Therapists”: J. Weizenbaum; Carcinogens in Industry: J. T. Talty; Chitin Synthesis Inhibitors: Effects on Fungi?: K. M. Peterson; J. L. Marx

EDITORIAL
Recombinant DNA Legislation—What Next?: H. O. Halvorson

ARTICLES

Testing the Commitment Theory of Cellular Aging: R. Holliday et al.

Energy Conservation in Amish Agriculture: W. A. Johnson, V. Stoltzfus, P. Craumer

NEWS AND COMMENT
Forgotten Inventor Emerges from Epic Patent Battle with Claim to Laser

Health Records and Privacy: What Would Hippocrates Say?

Electroshock Experiment at Albany Violates Ethics Guidelines

Briefing: New Coalition Still is More of a Courtship than a Marriage; A Whale of a Problem for the Administration; Would You Buy a Rocket from This Agency?

RESEARCH NEWS
Oceanography: A Closer Look at Gulf Steam Rings

Genetic Engineering: The Origin of the Long-Distance Runner

ANNUAL MEETING
AAAS Annual Meeting: Washington

BOOK REVIEWS
Architecture and Energy, reviewed by D. Watson; Marine Pollutant Transfer, R. J. Livingston; Chitin, M. Locke; Books Received
REPORTS

Vibrio cholerae, Vibrio parahaemolyticus, and Other Vibrios: Occurrence and Distribution in Chesapeake Bay: R. R. Colwell, J. Kaper, S. W. Joseph 394

Archean Microfossils Showing Cell Division from the Swaziland System of South Africa: A. H. Knoll and E. S. Barghoorn 396


Peptidoglycan in the Cell Wall of the Primary Intracellular Symbiote of the Pea Aphid: E. J. Houk et al. 401

Hypertension: Increase of Collagen Biosynthesis in Arteries but Not in Veins: K. Iwatsuki et al. 403

Osmotically Induced Changes in Electrical Properties of Plant Protoplast Membranes: R. H. Racusen, A. M. Kinnersley, A. W. Galston 405

Establishment of a Cell Line with Associated Epstein-Barr–Like Virus from a Leukemic Orangutan: S. Rasheed et al. 407

Adrenergic Stimulation of Taurine Transport by the Heart: R. Huxtable and J. Chubb 409

β-Endorphin: Endogenous Opiate or Neuroleptic?: D. S. Segal et al. 411

Thyrotropin-Releasing Hormone: Abundance in the Skin of the Frog, Rana pipiens: I. M. D. Jackson and S. Reichlin 414

Interdependence of the Nigrostriatal Dopaminergic Systems on the Two Sides of the Brain in the Cat: A. Nieoullon, A. Chéramy, J. Glowinsky 416

Reversal of Cardiopulmonary Failure During Active Sleep in Hypoxic Kittens: Implications for Sudden Infant Death: T. L. Baker and D. J. McGinty 419

Blind Man Living in Normal Society Has Circadian Rhythms of 24.9 Hours: L. E. M. Miles, D. M. Raynal, M. A. Wilson 421

Memory Formation: Evidence for a Specific Neurochemical System in the Amygdala: M. Gallagher et al. 423

Increasing Frequency of Thyroid Goiters in Coho Salmon (Oncorhynchus kisutch) in the Great Lakes: R. D. Mocica, J. F. Leatherland, R. A. Sonstegard 425

Technical Comments: Crossed Electroimmuno diffusion and Bloodstain Investigations: P. H. Whitehead; G. H. Sweet 427

PRODUCTS AND MATERIALS

Gas Analyzer; Autoclaves; Glucose Analysis; Blood Gas Analyzer; Desk-Top Computer; Fluorescent Label Standard; Refrigerated Centrifuge; Glucose Analyzer; Microtome; Literature 428

COVER

Asbestiform magnesium chain silicates from Chester, Vermont. Anthophyllite (yellow) has partially reacted to form the newly discovered minerals chestertite (blue and green) and jimthompsonite (pink). Streaked areas are regions of extreme structural disorder. (Optical micrograph of section 45 micrometers thick, cross-polarized light, × 650.) See page 359. [David R. Veblen and Peter R. Buseck, Arizona State University, Tempe; Charles W. Burnham, Harvard University, Cambridge, Massachusetts]