Electronics and Scientific Communication
Computers, Health Care, and Medical Information Science: T. L. Lincoln and R. A. Korpman
Biomedical Implantable Microelectrodes: J. D. Meindl
Ultrasonic Diagnostic Instruments: R. L. Popp and A. Macovski.
Three-Dimensional Imaging of Heart, Lung, and Circulation: E. L. Ritman et al.
Endoscopy: Developments in Optical Instrumentation: M. Epstein
Instrumentation in Clinical Chemistry: R. J. Elin
Legislators Accept Fast-Faced Fusion Program
Charges of Piracy Follow Alsabti
Poland: A Visitor's Snapshot
Computer Chess: Belle Sweeps the Board
Briefing: Prizes That Predict Nobel Winners; Westinghouse Feels Impact of Declining Demand; Disease Center Will Fund Love Canal Research
Drug-Making Topplies Eminent Anthropologist
Thalassemias: Models of Genetic Diseases
NMR Opens a New Window into the Body
Meeting Program—Part I; Advance Registration, Hotel Reservation, and Air Travel Reservation Forms
BOOK REVIEWS

The Languages of Native America, reviewed by W. Bright; Genetic Recombination, J. R. S. Fincham; The Fossil Hunters, H. P. Banks; Monoclonal Antibodies, M. Gefter; Books Received ........................................ 315

REPORTS

Carbon Budget of the Southeastern U.S. Biota: Analysis of Historical Change in Trend from Source to Sink: H. R. Delcourt and W. F. Harris ........................................ 321
Episodic Ice-Free Arctic Ocean in Pliocene and Pleistocene Time: Calcareous Nannofossil Evidence: T. R. Worsley and Y. Herman ........................................ 323
Late Wisconsin Climate of Northern Florida and the Origin of Species-Rich Deciduous Forest: W. A. Watts and M. Stuiver ........................................ 325
Direct Measurement of Microvascular Pressures in the Isolated Perfused Dog Lung: J. Bhattacharya and N. C. Staub ........................................ 327
Genotoxicity of the Antihypertensive Drugs Hydralazine and Dihydralazine: G. M. Williams et al. ........................................ 329
Polyamine Metabolism: A Potential Therapeutic Target in Trypanosomes: C. J. Bacchi et al. ........................................ 332
Folic Acid: Crystal Structure and Implications for Enzyme Binding: D. Mastropaolo, A. Camerman, N. Camerman ........................................ 334
JH Zero: New Naturally Occurring Insect Juvenile Hormone from Developing Embryos of the Tobacco Hornworm: B. J. Bergot et al. ........................................ 336
Swelling of Nerve Fibers Associated with Action Potentials: K. Iwasa, I. Tasaki, R. C. Gibbons ........................................ 338
Lithium Reduces the Number of Acetylcholine Receptors in Skeletal Muscle: A. Pestronk and D. B. Drachman ........................................ 342

PRODUCTS AND MATERIALS

Electronic Balance; Carbon Dioxide Incubator; Slide and Photograph Service; Gas Chromatograph–Mass Spectrometer; Portable Gas Analyzer; Anaerobic Chamber; Centrifugal Thin-Layer Chromatograph; Aerosol Exposure Chamber; Literature ........................................ 344

COVER

Array of aligned and fused optical fibers conveys a halftone image of an object viewed through an endoscope. The hexagonal shape of the fibers is due to the fusion of the originally round, individual optical fibers. See page 280. [C. Kot, Northwestern University, Evanston, Illinois]