This Week in Science

National Institutes of Health: The Centennial Year


Experts Fault Leadership on AIDS
Researcher Flouts Gene-Splicing Rules
Census a Public Burden?

Briefing: Science Diplomats Get Career Boost ■ U.K. Company to Buy Biogen Lab ■ Pressure to Construct SSC Builds in House ■ Promoting International Studies ■ Recombinant Organisms Pose No Special Hazard

NIH Urged to Forge New Ties to Congress
Recollections on the War on Cancer
The NIH Legislators
Arthritis Institute Tackles Sports

OMB Stalks the "Burgeoning Growth of Biomedicine"

Biologics Gain Influence in Expanding NCI Program
Heart Institute Is Major Player in Clinical Trials

The fas Gene as "Master Switch"
Searching Land and Sea for the Dinosaur Killer

NIH Through the Years
The National Institutes of Health in Its Centennial Year: J. B. Wyngaarden

Multiple Global Regulators Control HIFα Transcription in Yeast: K. T. Arndt, C. Styles, G. R. Fink

Borehole Measurement of the Newtonian Gravitational Constant: A. T. Hsu
Possible Tornado-Like Tracks on Mars: J. A. Grant and P. H. Schultz

Fish Oil Prevents Insulin Resistance Induced by High-Fat Feeding in Rats: L. H. Storlien, E. W. Kraegen, D. J. Chisholm, G. L. Ford, D. G. Bruce, W. S. Pascoe
COVER Bioengineer seated at apparatus for making microelectrodes. This year marks the 100th anniversary of the founding of the National Institutes of Health (NIH). Since its inception, NIH's mission has been to improve the health of the American people. To attain this goal, NIH conducts and supports biomedical research into the causes, prevention, and cure of diseases; supports research training and the development of research resources; and makes use of modern methods to communicate biomedical information. This issue contains articles on NIH's approach to that goal: research, training, and communication. See page 861. [Photo courtesy of National Institutes of Health, Bethesda, MD 20205]


898 Vein-Cutting Behavior: Insect Counterploys to the Latent Defense of Plants: D. E. Dussourd and T. Eisner

901 Ouabain Resistance Conferred by Expression of the cDNA for a Murine Na',K'–ATPase α Subunit: R. B. Kent, J. R. Emanuel, Y. B. Neriah, R. Leverston, D. E. Housman

903 Short Interval Time Measurement by a Parasitoid Wasp: J. M. Schmidt and J. J. Smith


909 The Catalytic Role of the Active Site Aspartic Acid in Serine Proteases: C. S. Craig, S. Rozniewski, C. Largman, W. J. Rutten

913 Adrenal Medulla Grafts Enhance Recovery of Striatal Dopaminergic Fibers: M. C. Bohn, L. Cuptt, F. Marciano, D. M. Gash

916 The Maize Transposable Element Di Is Spliced from RNA: S. R. Wessler, G. Baran, M. Varagona

AAAS Meetings

919 1988 AAAS Annual Meeting: Call for Contributed Papers

Book Reviews

924 Forging the Atomic Shield, reviewed by R. Cuff • The Changing Humors of Portsmouth, J. W. Leavitt • Magmatic Processes, R. Jeanloz • Books Received

Products & Materials

926 IBM-Compatible Compact PC • Statistical Consulting Software • Computer Graphics Display System • Kit for Inducing Mutations • C-Language Compiler • Micromanipulator • pH and Ion Meter • Literature
Science 237 (4817), 819-926.