835 This Week in Science

Editorial
837 Hybrid Corn

Policy Forum
839 Education and Human Resources at the National Science Foundation: E. Bloch

Letters
843 Affordability of Science: G. M. Carrow "Purposeful Evolution": J. L. Carew ■ The Old Puritanism?: G. B. Gori ■ Electricity Use: T. M. Besmann "Life" in an Abstract World: A. M. Russell ■ Asbestos and Carcinogenicity: J. C. McDonald and A. D. McDonald

News & Comment
848 Bloch Leaves NSF in Mainstream ■ Leadership with an Industrial Flavor ■ Magnet Lab: Science to the Highest Bidder?
852 FDA Publishes Bovine Growth Hormone Data ■ Europe: Bovine Growth Hormone in a Political Maze
853 Greens Make Physicists See Red
854 Briefings: Cold Unit Takes a Powder ■ Sellers' Market Looms for Professors ■ Good Times for Santa Fe Think Tank ■ DOE Delays Reporting the Cost of the SSC ■ Harvard Trades Debt for Scholars ■ Ocean Video ■ Lizzie, Queen of Scots ■ Economist to Head IIASA

Research News
856 The Mind Revealed?
858 A New Wave in Applied Mathematics
860 After Loma Prieta Uncertainty Remains ■ Worse News for the Bay Area
861 Hot Young Stars
862 Putting SQUIDs to Work

Articles
863 Quaternary Deepwater Paleoceanography: E. A. Boyle
870 Seeing Phenomena in Flatland: Studies of Monolayers by Fluorescence Microscopy: C. M. Knobler
875 Bovine Growth Hormone: Human Food Safety Evaluation: J. C. Juskevich and C. G. Guyer

Research Article
884 De Novo Design, Expression, and Characterization of Felix: A Four-Helix Bundle Protein of Native-Like Sequence: M. H. Hecht, J. S. Richardson, D. C. Richardson, R. C. Ogden

Reports
892 A Network Model of Catecholamine Effects: Gain, Signal-to-Noise Ratio, and Behavior: D. Servan-Schreiber, H. Printz, J. D. Cohen
Cover: Artistic representation of the secondary structure prediction from a neural network analysis of the principal neutralization determinant of HIV-1. The β sheets are shown by arrows and α helices by spirals. See page 932. [Illustration by Elizabeth Bothwell, Gregory LaRosa, and Scott Putney; neural network analysis by L. Howard Holley and Martin Karplus]


900 Unungrouped Iron Meteorites in Antarctica: Origin of Anomalously High Abundance: J. T. WASSON

902 Slow Mortality Rate Accelerations During Aging in Some Animals Approximate That of Humans: C. E. FINCH, M. C. PIKE, M. WITTEN

906 Endogenous Reproductive Rhythms in a Tropical Bird: E. GWINNER AND J. DITTAMI

908 Increased Life-Span of age-1 Mutants in Caenorhabditis elegans and Lower Gompertz Rate of Aging: T. E. JOHNSON


918 Presentation of Exogenous Antigen with Class I Major Histocompatibility Complex Molecules: K. L. ROCK, S. GAMBLE, L. ROTHSTEIN

921 The Role of B Cells for in Vivo T Cell Responses to a Friend Virus-Induced Leukemia: K. R. SCHULTZ, J. P. KLARNET, R. S. GIEI, K. T. HAYGLASS, P. D. GREENBERG

924 Inhibition of Leishmanias But Not Host Macrophages by the Antitubulin Herbicide Trifurulin: M. Y. CHANG AND D. FONG

926 Cell Alignment Required in Differentiation of Myxococcus xanthus: S. K. KIM AND D. KAISER

928 Interphase and Metaphase Resolution of Different Distances Within the Human Dystrophin Gene: J. B. LAWRENCE, R. H. SINGER, J. A. MCNEIL


937 Dirac, reviewed by M. DRESDEN ■ Monte Verde, R. E. MORLAN ■ Books Received

940 Scientific Word Processing Software ■ Magnetic Isolation of DNA ■ Programmable Wavelength HPLC Detector ■ Fourier Transform Mass Spectrometer ■ Top-Loading Balances ■ Automated Biopurification ■ Microscope Stage Warming Plate ■ Literature
Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**  Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/249/4971

**Permissions**  Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl