This Week in Science

Retroactive Prophets

The Evolution of Catalytic Function: P. A. Sharpe and D. Eisenberg

Manned Mars Expansion: K. C. Spencer and T. H. Jukes

Sports Medicine: P. B. Raven

Correction: AIDS Commission

Safety of DOE Reactors Questioned

Document Links NSF Official to Biotech Firm

OECD to Set Rules for International Science

Doctors Square Off on Employee Drug Testing

Yale Takes Action Against Psychiatrists for Financial Improprieties

New Look at Health in Developing Nations

A Frustrating Glimpse of the True AIDS Epidemic

NSF Lends a Hand with DOD Award

Why Is Calculus Such a Hurdle?

Briefing: China Renews Pledge to Boost Basic Research

New Vice President and Trustee Named at Hughes

Flap Arises Over Genetic Map

Ecological Invasions Offer Opportunities

Nobel Prize for Theory of Economic Growth

Cumulative Impacts of Oil Fields on Northern Alaskan Landscapes:

D. A. Walker, P. J. Webber, E. F. Binnian, K. R. Everett, N. D. Lederer,
E. A. Nordstrand, M. D. Walker

Millisecond Pulsar PSR 1937+21: A Highly Stable Clock:


Molecular Genetics: Applications to the Clinical Neurosciences: J. B. Martin

Left-Handed DNA in Vivo: A. Jaworski, W.-T. Hsieh, J. A. Blaho,
J. E. Larson, R. D. Wells

Dynamics of Automatic and Controlled Visual Attention:

E. Weichselgartner and G. Sperling

Mechanism of the Body-Centered Cubic–Hexagonal Close-Packed Phase Transition

in Iron: W. A. Basset and E. Huang
A molecular dynamics simulation of electron transfer complex formed between cytochrome c and cytochrome b. Dynamic motions of the cytochrome heme prosthetic groups and cytochrome c phenylalanine 82 are superimposed on a static snapshot of the polypeptide backbones and solvent water molecules hydrating the complex. See page 794. [Graphic output from MOEDITOR by Richard Hilmer, Central Research and Development Department, E. I. du Pont de Nemours & Company, Wilmington, DE 19898]


786 New Routes to Early Memories: D. KUCHARSKI AND W. G. HALL

788 A Novel Thyroid Hormone Receptor Encoded by a cDNA Clone from a Human Testis Library: D. BENBROOK AND M. PFALH

791 Early Restriction of the Human Antibody Repertoire: H. W. SCHROEDER, JR., J. L. HILLSON, R. M. PERLMUTTER

794 Molecular Dynamics of a Cytochrome c-Cytochrome b Complex: J. J. WENDOLOSKI, J. B. MATTHEW, P. C. WEBER, F. R. SALEMME

797 A Nerve Growth Factor-Induced Gene Encodes a Possible Transcriptional Regulatory Factor: J. MILBRANDT

800 Cytokine-Induced Expression of HIV-1 in a Chronically Infected Promonocytic Cell Line: T. M. FOLKS, J. JUSTMENT, A. KINTER, C. A. DINARELLO, A. S. FAUCI

802 Biological Invasion by *Myrica faya* Alters Ecosystem Development in Hawaii: P. M. VITOUSEK, L. R. WALKER, L. D. WHITEAKER, D. MUELLER-DOMBOIS, P. A. MATSON

804 Discovery of Transposable Element Activity Among Tissue Culture-Derived Maize Plants: V. M. PESCHKE, R. L. PHILLIPS, B. G. GENGEBACH

**AAAS News**

813 Scientists and Lawyers Look at Fraud in Science: JOAN WRATHER ■ D.G. Members—TV and Radio Reviewers Needed ■ Deng Pufang and Delegation Meet Disabled Scientists ■ Africa Initiative Funded ■ Meetings to Focus on Science and Technology in the Caribbean ■ Congressional and Diplomacy Fellows Begin Year in Washington ■ Obituaries

**AAAS Meetings**

817 1988 AAAS Annual Meeting: Preliminary Program ■ Seminars ■ Meeting Information ■ Advance Registration and Housing Registration Forms

**Book Reviews**

831 Klaus Fuchs and Klaus Fuchs, Atom Spy, reviewed by R. BOTHWELL ■ Foraging Theory, G. H. PYKE ■ What the Hands Reveal about the Brain, P. MENTUK ■ The Archaeology of Animals, K. CRUZ-URIBE ■ Books Received

**Products & Materials**

836 Liquid Media and Salt Solutions ■ Chest Freezer ■ Nonlinear Least-Squares Curve-Fitting Software ■ Cell Separation Particles ■ Removable Large-Capacity Data Storage ■ 3-D Molecule Images on PCs ■ Image-Processing Software ■ Literature

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