This Week in Science .......................................................... 107

LETTERS
Genetic Engineering in Agriculture: R. K. Colwell, E. A. Norse, D. Pimentel, F. E. Sharpley, D. Simberloff, W. Szybalski; W. J. Brill; Reusable Oil Plants?: M. P. Mills ....................................................... 111

EDITORIAL
Engineering Education ....................................................... 121

ARTICLES
The Very Long Baseline Array: K. I. Kellermann and A. R. Thompson ............... 123

✓ Science and Technology in India: J. S. Rao ........................................... 130

An RNA Processing Activity That Debranches RNA Lariats: B. Ruskin and M. R. Green ................................................................. 135

NEWS AND COMMENT
Europe Tries a Strategic Technology Initiative ........................................ 141

Proliferation Treaty Hinders SDI ...................................................... 142

Selenium Poisons Refuge, California Politics .......................................... 144

Polish Universities Face Crackdown .................................................. 146

NIH Role in Biotechnology Debated .................................................... 147

Supercomputer Restrictions Pose Problems for NSF, Universities ............... 148

Briefing: NRC Committee Blasts Immigration Statistics; Fresh Data on Stale Air .... 149

RESEARCH NEWS
Putting the Human Genome on the Map .............................................. 151

Patterns and Process in Life's History ................................................ 151

BOOK REVIEWS
Pattern Formation, reviewed by P. B. Green; Late Pleistocene History of
REPORTS

Near-Earth Asteroids: Possible Sources from Reflectance Spectroscopy: L. A. McFadden, M. J. Gaffey, T. B. McCord 

Phytoplankton Blooming Off the U.S. East Coast: A Satellite Description: G. B. Brown et al. 

A Large Deletion Within the T-Cell Receptor Beta-Chain Gene Complex in New Zealand White Mice: B. L. Kotzin, V. L. Barr, E. Palmer 

Discovery of a Predicted DNA Knot Substantiates a Model for Site-Specific Recombination: S. A. Wasserman, J. M. Dungan, N. R. Cozzarelli 

Prostacyclin Synthesis Induced in Vascular Cells by Interleukin-1: V. Rossi, F. Breviario, P. Ghezzi, E. Dejana, A. Mantovani 

Inhibition of Interferon-Gamma May Suppress Allograft Reactivity by T Lymphocytes in Vitro and in Vivo: S. Landolfo et al. 

Diazepam-Binding Inhibitor: A Neuropeptide Located in Selected Neuronal Populations of Rat Brain: H. Alho et al. 


Staphylococcal Enterotoxin A Is Encoded by Phage: M. J. Betley and J. J. Mekalanos 


Expression of Two Variant Surface Glycoproteins on Individual African Trypanosomes During Antigen Switching: K. M. Esser and M. J. Schoenbechler 

Insect Resistance to the Biological Insecticide Bacillus thuringiensis: W. H. McGaughey 

Technical Comments: Androgens and Prenatal Alcohol Exposure: S. B. Sparber; R. F. McGivern 

PRODUCTS AND MATERIALS

Biochemical Analyzer; Sterilizer for Loops and Needles; Multiple Pipette; Tissue Culture Media; Software to Calculate Molecular Weights; Electrofusion Chambers; Low-Temperature Cabinets; Literature 

COVER

Knot with six crossings is depicted in this Roman bas relief from about the third century A.D. The identical knot form was observed in electron micrographs of DNA and the information from it can be used to postulate mechanisms of genetic recombination. See page 171. [From the private collection of Ilya Prigogine, Center for Statistical Mechanics and Thermodynamics, University of Texas, Austin 78712]