### Editorial
9 Let Us Meander

### Letters

### News & Comment
12 Imported Chips: A Security Risk?
13 Gene-Splicing Debate Heats Up in Germany
14 President Awards Science and Technology Medals
15 Larger Public Sector Role Sought on Biotech ■ EPA Suspends Biotech Permit
16 Antagonists Agree on Pesticide Law Reform
17 Briefing: OMB Offers to Delay Indirect Cost Cuts ■ NSF Designates Five New Engineering Centers ■ House Science Committee Chairman Leaving Congress ■ NSF to Establish Computer Directorate ■ British Telescope Dogged by British Weather ■ New French Government Scraps Research Ministry ■ Comings and Goings

### Research News
20 Obese Children: A Growing Problem
22 Can Synchrotron Light Save the Chip Industry?
24 Why Dynamiting Vampire Bats Is Wrong ■ Case Studies in Ecology
26 Briefing: The Currents of Space

### Articles
27 High-Resolution Climatic Analysis and Southwest Biogeography: R. P. Neilson
34 A Receptor-Mediated Pathway for Cholesterol Homeostasis: M. S. Brown and J. L. Goldstein
48 The Tunneling Microscope: A New Look at the Atomic World: J. A. Golovchenko

### Reports
58 Role of Platelet-Activating Factor—Atherothrombosis in Mediating Guinea Pig Anaphylaxis: H. Darius, D. J. Leher, J. B. Smith, A. M. Lefebvre
65 Electrophoretic Separation of Large DNA Molecules by Periodic Inversion of the Electric Field: G. F. Carle, M. Frank, M. V. Olson
In Vivo Competition Between a Metallothionein Regulatory Element and the SV40 Enhancer: H. Scholer, A. Haslinger, A. Heguy, H. Holtgreve, M. Karin

Activation of Smooth Muscle Contraction: Relation Between Myosin Phosphorylation and Stiffness: K. E. Kamm and J. T. Stull

Development of Visual Pattern Discrimination in the Fly Depends on Light Experience: K. Mimura


Extended Oxygen Delivery from the Nerve Hemoglobin of Tellina alternata (Bivalvia): D. W. Kraus and J. M. Colaciño


Mechanisms of Human Motion Perception Revealed by a New Cyclopean Illusion: M. Shadlen and T. Carney

Receptor-Coupled Activation of Phosphoinositide-Specific Phospholipase C by an N Protein: C. D. Smith, C. C. Cox, R. Snyderman

Anti-Idiotype Antibodies Bear the Internal Image of a Human Tumor Antigen: D. Herlyn, A. H. Ross, H. Koprowski

Perturbation of Red Cell Membrane Structure During Intracellular Maturation of Plasmodium falciparum: T. F. Taraschi, A. Parashar, M. Hooks, H. Rubin

Thallophytic Allelopathy: Isolation and Identification of Lactisic Acid: W. S. Bowers, H. C. Hoch, P. H. Evans, M. Katayama

AAAS News

108 AAAS Project Begins Work with Disability Groups in China ■ Grants to Self-Sponsored Foreign Graduate Students to Attend AAAS Annual Meeting ■ Causality in Heredity and Aging ■ Report from Indian Science Congress Association ■ Reminder for Members

Book Reviews

110 Andean Ecology and Civilization, reviewed by R. L. Burger ■ Sweetness and Power, W. R. Wright ■ Evolutionary Ecology of Marsupials, B. S. Low ■ Ecology and Genetics of Host-Parasite Interactions, R. C. Vrijenhoek ■ Astrophysics of Active Galaxies and Quasi-Stellar Objects, M. G. Smith ■ Some Other Books of Interest ■ Books Received

Products & Materials

115 Antibody Screening ■ Wash Module for Sample Handling ■ Balances ■ TLC Sample Applicator ■ Ion Chromatographs ■ Gel Filtration Chromatography Columns ■ Affinity Chromatography Support ■ 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/232/4746

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