7  This Week in Science

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—Ather in Mediating Guinea Pig Anaphylaxis: H. Darius, D. J. Leper, J. B. Smith, A. M. Lefer
65  Electrophoretic Separations of Large DNA Molecules by Periodic Inversion of the Electric Field: G. F. Carle, M. Frank, M. V. Olson