This Week in Science

Credibility in Science and the Press

Biology and Homosexuality: T. A. Schoenfeld; J. M. Carrier and G. Gellert; S. LeVay ■ Artificial Heart Development: A Long Effort: G. T. Harrell

Preempting a radiation study; preparing for the census of the future; etc.

Pork: Washington's Growth Industry

Yesterday's Pork Projects: Where Are They Now?

Neuroscience at Risk at NSF

Iraq's Bomb Program: A Smoking Gun Emerges ■ How Much Uranium?

Ozone Loss Hits Us Where We Live

Moths Take the Field Against Biopesticide

AIDS Vaccine Meeting: International Trials Soon

Briefings: New Obstacle for Foreign Scientists? ■ Oh, for a Normal Brain! ■ Science Gamesmanship ■ Chatting With ETs ■ Looking 40 Years Ahead on Energy ■ "All the [Science] That's Fit to Print" ■ Errata

Playing Tag With Membrane Proteins

Could the Sun Be Warming the Climate?

GE Achieves Dial-an-Isotope Diamonds

The Secret of Saltiness

How Plants Cope With Stress

Supercomputer Voyages to the Southern Seas

"Five Easy Pieces": P. A. Sharp

Gas-Phase Inorganic Chemistry: Monovalent Derivatives of Calcium and Strontium: P. F. Bernath

Stress Fields of the Overriding Plate at Convergent Margins and Beneath Active Volcanic Arcs: K. D. Apperson

Molecular Basis of Gating Charge Immobilization in Shaker Potassium Channels: F. Bezanilla, E. Perozo, D. M. Papazian, E. Stefani

Latitudinal and Longitudinal Oscillations of Cloud Features on Neptune: L. A. Sromovsky


Early Cambrian Foraminifera from West Africa: S. J. Culver
Potential Magnitude of Future Vegetation Change in Eastern North America: Comparisons with the Past: J. T. Overpeck, F. J. Bartlein, T. Webb III
Synorogenic Collapse: A Perspective from the Middle crust, the Proterozoic Grenville Orogen: K. Mezger, B. A. van der Pluijm, E. J. Essene, A. N. Halliday
Length of the Solar Cycle: An Indicator of Solar Activity Closely Associated with Climate: E. Friis-Christensen and K. Lassen
First Fossil Hagfish (Myxinoidea): A Record from the Pennsylvanian of Illinois: D. Bardack
Calcium Gradients Underlying Polarization and Chemotaxis of Eosinophils: R. A. Brundage, K. E. Fogarty, R. A. Tuft, F. S. Fay
Generation and Analysis of Interleukin-4 Deficient Mice: R. Köhn, K. Rajewsky, W. Müller
An Inducible Bundle-Forming Pilus of Enteropathogenic Escherichia coli: J. A. Girón, A. S. Y. Ho, G. K. Schoolnik
Interaural Phase Coding in Auditory Midbrain: Influence of Dynamic Stimulus Features: M. W. Spitzer and M. N. Semple
The Anion Paradox in Sodium Taste Reception: Resolution by Voltage-Clamp Studies: Q. Ye, G. L. Heck, J. A. Desimone

The Social Biology of Wasps, reviewed by D. C. Queller ■ The Idea Factory, H. Petroski ■ Understanding the Representational Mind, A. Gopnik ■ Some Other Books of Interest ■ Reprints of Books Previously Reviewed ■ Books Received

Image Analysis Workstation ■ DNA Purification Kit ■ Desktop Digital Film Recorder ■ Monoclonal Antibodies ■ Mutagenesis Kit ■ Water Purification System ■ Gold Immunoprobes ■ Literature

Cover: Magnetic resonance image of the human brain, showing activation of the visual cortex. Regional changes in cerebral blood volume were measured during photic stimulation and reflect the task-induced changes in neuronal activity. The area of activated visual cortex (color) is mapped onto the three-dimensional anatomical structure (gray). This combined imaging method may be used in routine clinical examinations, permitting noninvasive high-resolution mapping of cortical function. See page 716. Other neuroscience reports pages 719 to 729. [Illustration courtesy of the Massachusetts General Hospital–NMR Center]