This Week in Science

Editorial

Drunk Driving and Statistical Morality

Letters

Planet Exploration: L. Friedman • Science Education: G. M. Carrow • Alar and Apples: T. H. Jukes; L. Roberts

News & Comment

Clean Air? Don't Hold Your Breath • The Political Battle Over Clean Air
NIH Reopens Baltimore Inquiry
Watson Floats a Plan to Carve Up the Genome
Utah Looks to Congress for Cold Fusion Cash • Cold Water from Caltech
NAS Elects New Members
Peoples Selected Head of Fermilab
Nobelists Back Animal Research

Research News

Space Science on the Rebound? • The Unveiling of Venus
Biologists Disagree Over Bold Signature of Nature
The Circle Can Be Squared!
Another Movement in the Dance of the Plates

Articles

Rewarding Performance That Is Hard to Measure: The Private Nonprofit Sector: B. A. Weisbrod

Research Articles

Interleukin-2 Receptor β Chain Gene: Generation of Three Receptor Forms by Cloned Human α and β Chain cDNA’s: M. Hatakeyama, M. Tsudo, S. Minamoto, T. Kono, T. Doi, T. Miyata, M. Miyasaka, T. Taniguchi

Reports

Microearthquake Imaging of the Parkfield Asperity: P. E. Malin, S. N. Blakeslee, M. G. Alvarez, A. J. Martin
Long-Range Electronic Perturbations Caused by Defects Using Scanning Tunneling Microscopy: H. A. Mizes and J. S. Foster
cover  Adult mudpuppy (*Necturus maculosus*). This large aquatic salamander has been used frequently in physiological studies because cells throughout its body are exceptionally large. The eyes of this animal are used to show that gial cells in the retina normally buffer light-evoked changes in intraretinal potassium concentration. See page 578. [Photograph by W. B. Pavlik, Department of Psychology, University of Georgia].

562 Detection of C5 in the Circumstellar Shell of IRC+10216: P. F. BERNATH, K. H. HINKLE, J. J. Keady  
566 API1/jun Function Is Differentially Induced in Promotion-Sensitive and Resistant JB6 Cells: L. R. Bernstein and N. H. Colburn  
580 Diffusible Factors Essential for Epidermal Cell Redifferentiation in *Catharanthus roseus*: B. A. Siegel and J. A. Verbeke  
582 Commitment of Mouse Fibroblasts to Adipocyte Differentiation by DNA Transfection: S. Chen, L. C. Teichner, D. Kazim, R. E. Pollack, L. S. Wise  

**AAAS Meetings**  
588 1990 Annual Meeting: Call for Poster Papers  

**Book Reviews**  
590 Proceedings of a Workshop on Optical Surveys for Quasars, reviewed by D. C. Koo  
Seabed Pockmarks and Seepages, K. A. Kvenvolden  
The Bioinorganic Chemistry of Nickel, M. K. Johnson  
Some Other Books of Interest  
Books Received  

**Products & Materials**  
593 Image Synthesis, Graphics Generation Software  
Cell Culture Starter Kit  
Transfer Solution for RNA Blotting  
Disposeable Filter for Media  
Calculator Replaces Statistical Tables  
Optical Micropositioner  
Literature