

7 This Week in *Science*

Editorial

9 Inexorable Laws and the Ecosystem

Letters

10 The Ice-Minus Case and a Scientifically Informed Judiciary: R. K. COLWELL; S. EISEN, D. E. KOSHLAND, JR. ■ Availability of Human Tissues for Research in Cancer: K. P. CLAUSEN, W. E. GRIZZLE, V. A. LIVOLSI, W. E. NEWTON ■ Water Quality: J. F. SMITH AND W. A. KREUTZBERGER; R. A. SMITH, R. B. ALEXANDER, M. G. WOLMAN

News & Comment

16 FDA Puts New Heart Drug on Hold
18 U.S. Policy on Exchanges with the Soviets Called a "Shambles"
19 Broader R&D Role Sought for Commerce
20 Commerce Sees the Future; Says Industry Practices Must Change
20 CERN Urged to Cut 400 Posts
21 NSF Centers: Yes, But . . .
Indictment of Beggs Dropped
22 Science Budgets Fare Well in House Action

Research News

23 Angiogenesis Research Comes of Age
25 Supernova 1987A: A Mysterious Stranger
26 Four Groups Build More Efficient Atom Traps
28 Study Bolsters Case Against Cholesterol

Articles

31 R&D and Productivity: Measurement Issues and Econometric Results: Z. GRILICHES
35 Changes in Stratospheric Ozone: R. J. CICERONE
42 A Physiological Basis for a Theory of Synapse Modification: M. F. BEAR, L. N. COOPER, F. F. EBNER

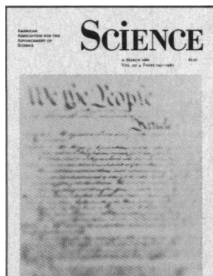
Research Articles

49 Selective Disruption of Gap Junctional Communication Interferes with a Patterning Process in Hydra: S. E. FRASER, C. R. GREEN, H. R. BODE, N. B. GILULA

Reports

56 Interstellar Polycyclic Aromatic Hydrocarbons and Carbon in Interplanetary Dust Particles and Meteorites: L. J. ALLAMANDOLA, S. A. SANDFORD, B. WOPENKA

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COVER Computer simulation of the brain's view of the opening passage of the U.S. Constitution. Each point on the image represents the activity of a retinal ganglion cell viewing the corresponding part of the original document. The image is sharp only in the fovea, which is viewing a point several lines below the large word "People." The illustration shows the rapid decrease in acuity for small features (high spatial frequencies) as a function of distance from the fovea. This effect of the spatial tuning of the nonfoveal retina is much more apparent in viewing printed text, which is dominated by such small features, than in viewing other kinds of scenes. See page 73. [Josh Wallman, Christopher M. Harris, and Michael D. Gottlieb, City University of New York]

- 59 Fossil Mycorrhizae: A Case for Symbiosis: S. P. STUBBLEFIELD, T. N. TAYLOR, J. M. TRAPPE
- 61 T-Cell Tumor Elimination as a Result of T-Cell Receptor-Mediated Activation: J. D. ASHWELL, D. L. LONGO, S. H. BRIDGES
- 64 Structurally Divergent Human T Cell Receptor γ Proteins Encoded by Distinct C γ Genes: M. S. KRANGEL, H. BAND, S. HATA, J. MCLEAN, M. B. BRENNER
- 67 A Mab to a Unique Cerebellar Neuron Generated by Immunosuppression and Rapid Immunization: S. HOCKFIELD
- 70 Early Archean (3.3-Billion to 3.5-Billion-Year-Old) Microfossils from Warrawoona Group, Australia: J. W. SCHOPF AND B. M. PACKER
- 73 Local Retinal Regions Control Local Eye Growth and Myopia: J. WALLMAN, M. D. GOTTLIEB, V. RAJARAM, L. A. FUGATE-WENTZEK
- 77 Localization of Amyloid β Protein Messenger RNA in Brains from Patients with Alzheimer's Disease: S. BAHMANYAR, G. A. HIGGINS, D. GOLDGABER, D. A. LEWIS, J. H. MORRISON, M. C. WILSON, S. K. SHANKAR, D. C. GAJDUSEK
- 81 A Major Food Web Component in the Orinoco River Channel: Evidence from Planktivorous Electric Fishes: J. G. LUNDBERG, W. M. LEWIS, JR., J. F. SAUNDERS, III, F. MAGO-LECCIA

AAAS News

- 84 Journalism Is Subject of Ethics Group Meeting: A. CRUMPTON ■ Panel for U.S./Chilean Science Formed ■ Update on AAAS Cooperative Efforts with Soviet Scientific and Engineering Community: S. M. BURNS ■ Resource Directory Available ■ "The Hole in the Sky" Transcripts Available

Book Reviews

- 86 Dark Matter in the Universe, reviewed by J. S. GALLAGHER ■ Rabi, R. R. WILSON ■ The Changing Samoans, P. J. BYARD ■ Tectonostratigraphic Terranes of the Circum-Pacific Region, M. CLOOS ■ Books Received

Products & Materials

- 90 Nonlinear Curve-Fitting Software ■ Immunological Reagents Against Rodents, Rabbits ■ Amino Acid Analyzer ■ Refrigerated, High-Speed Microcentrifuge ■ EM Specimens from Fresh Tissue ■ Floating Tube Rack ■ X-ray Fluorescence Spectrometer ■ Literature

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237 (4810)

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