LETTERS
Pesticide Resistance: M. J. Dover; J. K. Marquis; Heart Panel’s Conclusions:
D. Steinberg; C. Lenfant, B. Rifkind, I. Jacoby .......................... 582

EDITORIAL
A Department of Science? .................................................. 589

ARTICLES
Perspectives on Supercomputing: B. L. Buzzell and D. H. Sharp .......... 591
Galileo, Planetary Atmospheres, and Prograde Revolution: G. D. Parker 597
The Agricultural Mechanization Controversy: P. L. Martin and A. L. Olmstead 601
Kaitoku Seamount and the Mystery Cloud of 9 April 1984: D. A. Walker,
C. S. McCrery, F. J. Oliveira ........................................... 607

NEWS AND COMMENT
Classification Dispute Stalls NOAA Program ........................... 612
DOD Reorganizes Management .............................................. 613
Briefing: Army Agrees to New Study of Biowarfare Laboratory; U.S.—Soviet
Academies to Resume Exchanges; New Peace Committee at NRC; A Science
Primer for Freshman Legislators; Ashes to Ashes—to Orbit; China’s Science
Academy Revamps Funding Process ..................................... 614
The Technological Challenge in Africa .................................... 616
SPARX Fly Over U.S.—German Space Venture .......................... 617

RESEARCH NEWS
New Technology Aids Geophysicists .................................... 619
Testing for Trichinosis ....................................................... 621
Geophysics Briefing: Going with the Flow; A Dash of Aluminum-26; Mating
Dance of the Two-Tailed Radio Source .................................... 622
Zeta Particle in Question .................................................... 624

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AAAS NEWS

AAAS Program Activities Taken to Africa, China, Germany, Hungary, and Israel; SWARM to Meet in Tucson in March; For the Library; Obituaries .......................... 625

BOOK REVIEWS

Physique et Physiciens en France, 1918–1940, reviewed by M. J. Nye; Soviet Scientists and the State, L. L. Lubrano; The Mechanical Adaptations of Bones, A. A. Biewener; Some Other Books of Interest; Book Received ........................................ 628

REPORTS

Pollution Monitoring of Puget Sound with Honey Bees: J. J. Bromenshenk et al. ........... 632
Raman Microprobe Evidence for Lignin Orientation in the Cell Walls of Native Woody Tissue: R. H. Atalla and U. P. Agarwal .................. 636
Early Biochemical Effects of an Organic Mercury Fungicide on Infants: "Dose Makes the Poison": C. A. Gotelli et al. .................. 638
Flurbiprofen: A Potent Inhibitor of Alveolar Bone Resorption in Beagles: R. C. Williams et al. .................. 640
Use of Restriction Fragment Length Polymorphisms to Determine the Clonal Origin of Human Tumors: B. Vogelstein et al. .......................... 642
Role of Chemotaxis in Establishing a Specific Nitrogen-Fixing Cyanobacterial-Bacterial Association: H. W. Paerl and K. K. Gallucci .................. 647
A Hydrophobic Transmembrane Segment at the Carboxyl Terminus of Thy-1: T. Seki et al. .................. 649
The Goldfish as a Retinex Animal: D. J. Ingle .................. 651
Heat Generated by the Dark-Adapted Squid Retina in Response to Light Pulses: I. Tasaki and T. Nakaye .................. 654
Evidence for an Antiaphrodisiac in the Sweat Bee Lasioglossum (Dialictus) zephyrum: P. Kukuk .................. 656
Descending Efferents from the Superior Colliculus Relay Integrated Multisensory Information: M. A. Meredith and B. E. Stein .................. 657

COVER

Trained goldfish approaching a familiar yellow rectangle amidst a multicolored "Mondrian" background. This Mondrian was photographed in "white light" but looks much the same to human observers when viewed in light with radically different spectral composition. The goldfish, as well as the human, recognizes familiar colors despite the dramatic spectral changes in reflected illuminant from each portion of the Mondrian. Thus, a relatively simple vertebrate demonstrates an efficient perceptual constancy that has hitherto been considered as a high-level brain function. See page 651. [J. Scarpetti and E. Gobbo, Rowland Institute for Science, Inc., Cambridge, Massachusetts 02142]
Editor's Summary