LETTERS
Biotechnology Regulation: B. Talbot; SURA Accelerator: J. P. Schiffer; J. S. McCarthy and H. D. Holmgren.......................... 6

EDITORIAL
Scientific Communications and National Security: R. D. DeLauer.......................... 9

ARTICLES
Disposal of Radioactive Wastes: J. M. Harrison.................................................. 11
Who Will Pay for Medical Education in Our Teaching Hospitals?: A. S. Relman.................................................. 20

NEWS AND COMMENT
Microchip Problems Plague DOD.................................................. 24
Universities Vie for DOD Software Center.................................................. 26
Europeans Look IBM Gift Horse in the Mouth.................................................. 27
Briefing: Chinese Express Views on Mosher to Stanford; Pasteur Institute Gets New Commercial Outlet; Congress Relents, Boosts USDA Competitive Grants; Alzheimer’s Disease: Plans but No New Funds.................................................. 28
In Search of Salmonella’s Smoking Gun.................................................. 30

RESEARCH NEWS
An Inquiry into the State of the Earth.................................................. 33
Pigment Gene Scrutinized.................................................. 35
Fragile Forests Implied by Pleistocene Pollen.................................................. 36
New Organic Superconductor.................................................. 37

BOOK REVIEWS
The Birth of Particle Physics and Colloque International sur l’Histoire de la
Physique des Particules, reviewed by A. Pickering; In the Presence of the Creator, M. S. Mahoney; Total Eclipses of the Sun, W. Livingston; Planets and Their Atmospheres, A. G. W. Cameron; Evolutionary Genetics of Fishes, J. A. Endler; Books Received ........................... 38

REPORTS Interplanetary Magnetic Field Enhancements and Their Association with the Asteroid 2201 Oljato: C. T. Russell et al. ........................................ 43


El Niño–Southern Oscillation Events Recorded in the Stratigraphy of the Tropical Quelccaya Ice Cap, Peru: L. G. Thompson, E. Mosley-Thompson, B. M. Arnao ........................................ 50

Temperature Effects on the Rate of Ty Transposition: C. E. Paquin and V. M. Williamson ........................................ 53

Differential Development of Two Classes of Acetylcholine Receptors in Xenopus Muscle in Culture: R. J. Leonard et al. ........................................ 55

Antigens Encoded by the 3’-Terminal Region of Human T-Cell Leukemia Virus: Evidence for a Functional Gene: T. H. Lee et al. ........................................ 57

Identification of the Putative Transforming Protein of the Human T-Cell Leukemia Viruses HTLV-I and HTLV-II: D. J. Slamon et al. ........................................ 61

Reversal of Knob Formation on Plasmodium falciparum–Infected Erythrocytes: C. A. Gritzmac her and R. T. Reese ........................................ 65


Rapid Expulsion of Trichinella spiralis in Suckling Rats: J. A. Appleton and D. D. McGregor ........................................ 70

Interruption of the Mammillothalamic Tract Prevents Seizures in Guinea Pigs: M. A. Mirski and J. A. Ferrendelli ........................................ 72

Temporal Lobe Lesions and Perception of Species-Specific Vocalizations by Macaques: H. E. Heffner and R. S. Heffner ........................................ 75

MEETING Gordon Research Conferences: 1985 Winter Schedule: A. M. Cruickshank ......... 77

COVER Lead-iron phosphate glass (disk at center) is surrounded by lead phosphate glass wedges doped with about 1 mole percent of various optically active metal ions. The blue glass wedge is doped with cobalt, and (in a clockwise direction) the other dopants are nickel, samarium, copper, erbium, praseodymium, and neodymium. Lead-iron phosphate glass is a promising new host for the disposal of nuclear wastes. See page 45. [Samples prepared by B. C. Sales and L. A. Boatner; photograph by Bill Norris, Oak Ridge National Laboratory, Oak Ridge, Tennessee 37831]
Editor's Summary

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