Neutron scattering without the ANS

Glacial iceberg discharges in depth

NEWS & COMMENT

The Looming Neutron Gap
Funding Pressures Erode Spirit of Open Access

Fisher Clashes With NCI—Again

ESA Members Balk at Space Station Cost

House Panel Cuts Industry Programs

Brookhaven Prepares for Boron Trials

Global Warming: If the Mercury Soars, So May Health Hazards
Cities Could Face Killer Heat Waves

RESEARCH NEWS

AIDS Mood Upbeat—For a Change

Chilly Ice-Age Tropics Could Signal Climate Sensitivity

Faraway Tsunami Hints at a Really Big Northwest Quake

Cell Cycle Inhibitors May Help Brake Growth as Cells Develop

Mathematics: A Visit to Asymptopia Yields Insight Into Set Structures

Shuttle Radar Maps Ancient Angkor

PERSPECTIVES

Fractional Charges in an Interacting Electron System
A. H. MacDonald

Express Yourself or Die: Peptides, MHC Molecules, and NK Cells
K. Karre

ARTICLES

The Case for a Hubble Constant of 30 km s⁻¹ Mpc⁻¹
J. G. Bartlett, A. Blanchard, J. Silk, M. S. Turner

The Chemistry of John Dalton’s Color Blindness
D. M. Hunt, K. S. Dula, J. K. Bowmaker, J. D. Mollon

DEPARTMENTS

THIS WEEK IN SCIENCE

EDITORIAL

Sustainable Agriculture and the 1995 Farm Bill

LETTERS


S. M. Shevchenko • Black Hole Theories: G. Horowitz • Italian Academic Life: A. Gavezzotti

STONESCOPE

RANDOM SAMPLES

BOOK REVIEWS

The Physics of Immortality, reviewed by V. V. Raman • Quaternary Insects and Their Environments, R. G. Baker • Vignettes • Books Received

PRODUCTS & MATERIALS

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John Dalton (1766–1844) is celebrated for developing the atomic theory of chemistry, but his first scientific paper to the Manchester Literary and Philosophical Society in 1794 was an account of how his color perceptions differed from those of other people. After 150 years, amplification of DNA from his preserved eye tissue has revealed the molecular basis for his color blindness. See page 984. [Engraving: Dated 1898, reproduced by permission of the British Library]

RESEARCH ARTICLE

Mechanism of Inhibition of HIV-1 Reverse Transcriptase by Nonnucleoside Inhibitors
R. A. Spence, W. M. Kati, K. S. Anderson, K. A. Johnson

Reports

A Conducting Polymer Film Stronger Than Aluminum
G. Shi, S. Jin, G. Xue, C. Li

Simultaneous Studies of Reaction Kinetics and Structure Development in Polymer Processing

Evidence from Ion Chromatography

Experiments That Met-Cars Are Hollow Cage Clusters
S. Lee, N. G. Gotts, G. von Helden, M. T. Bowers

A Net Sink for Atmospheric CH3Br in the East Pacific Ocean

Iceberg Discharges into the North Atlantic on Millennial Time Scales During the Last Glaciation
G. C. Bond and R. Lotti

Resonant Tunneling in the Quantum Hall Regime: Measurement of Fractional Charge
V. J. Goldman and B. Su

Numbers and Ratios of Visual Pigment Genes for Normal Red-Green Color Vision
M. Neitz and J. Neitz

Peptide Specificity in the Recognition of MHC Class I by Natural Killer Cell Clones

Correlation of Terminal Cell Cycle Arrest of Skeletal Muscle with Induction of p21 by MyoD

Inhibition of Myogenic Differentiation in Proliferating Myoblasts by Cyclin D1–Dependent Kinase
S. X. Skapek, J. Rhee, D. B. Spicer, A. B. Lassar

p53-Independent Expression of p21(Lip) in Muscle and Other Terminally Differentiating Cells

Temporal Information Transformed into a Spatial Code by a Neural Network with Realistic Properties
D. V. Buonomano and M. M. Merzenich

Molecular Cloning and Characterization of an Inner Ear–Specific Structural Protein
J. G. Davis, J. C. Oberholzer, F. R. Burns, M. I. Greene

Prevention of Atherosclerosis in Apolipoprotein E–Deficient Mice by Bone Marrow Transplantation
M. F. Linton, J. B. Atkinson, S. Fazio

TECHNICAL COMMENTS

Retinal Representations
R. W. Guillery; D. Lee and J. G. Malpeli