NEWS & COMMENT

NSF Eyes New South Pole Station  
A Design for Life in the Freezer  
1836

AIDS Vaccine Research: U.S. Panel  
Votes to Delay Real-World Vaccine Trials  
1839

French Science: In Midst of a Freeze,  
Science Minister Calls for Expansion  
1840

Quantity No Longer Counts in Britain  
1840

Misconduct Panel Sets Ambitious Agenda  
1841

Cran Experiment Finally Perches  
in Washington State  
1842

RESEARCH NEWS

The Inner Sanctum of the Proton  
1843

Lucky Break for Kidney Disease Gene  
1844

A Dark Matter Recipe Is Tested—And  
Found Wanting  
1845

A Challenge to p16 Gene as a Major  
Tumor Suppressor  
1846

Cancer Research: A New Test Gives  
Early Warning of a Growing Killer  
1847

Genome Initiatives Tackle  
Developing World’s Big Killers  
1848

DEPARTMENTS

THIS WEEK IN SCIENCE  
1825

EDITORIAL  
Progress in Parasitology  
1827

LETTERS  
Sedimentology of the K-T Boundary: H. E. Clifton  
and R. H. Dort Jr.  • Dioxin Effects: G. M. Reggiani  
• Quantum Uncertainty Principle: No Loopholes:  
J. Schwinger  • History Lesson: C. A. Carr  
1829

SCIENCESCOPE  
1835

RANDOM SAMPLES  
1850

BOOK REVIEWS  
1952

Conceptual Foundations of Modern Particle Physics,  
reviewed by C. Quigg  • e: The Story of a Number,  
P. Borwein  • Morphological Change in Quaternary  
Mammals of North America, E. L. Lundelius Jr.  •  
Reverse Transcriptase, R. A. Weiss  • Vignettes, etc.  
1851

PRODUCTS & MATERIALS  
1961

INSIDE AAAS  
1962
A false-colored scanning electron micrograph of Schistosoma mansoni (magnification x2500). This blood fluke penetrates the skin of humans after spending part of its life cycle in freshwater snails. Infection causes schistosomiasis, with the anemia and inflammation that result from the fluke settling in intestinal blood vessels. The special section beginning on page 1857 focuses on the biology of parasites and the impact of parasitic diseases. The section pages are identified by an icon representing the head of the tapeworm Taenia solium. [Cover micrograph: CNRI/Science Photo Library/Photo Researchers, Inc.]

ARTICLE
Low-Barrier Hydrogen Bonds and Enzymic Catalysis
W. W. Cleland and M. M. Kreevoy

RESEARCH ARTICLE
Structures of Ternary Complexes of Rat DNA Polymerase β, a DNA Template-Primer, and dCTP
H. Pelletier, M. R. Sawaya, A. Kumar, S. H. Wilson, J. Kraut

REPORTS
Asymmetric Phase Effects and Mantle Convection Patterns
M. Liu

African Homo erectus: Old Radiometric Ages and Young Oldowan Assemblages in the Middle Awash Valley, Ethiopia

MCM-22: A Molecular Sieve with Two Independent Multidimensional Channel Systems
M. E. Leonowicz, J. A. Lawton, S. L. Lawton, M. K. Rubin

Time-Resolved Imaging of Translucent Droplets in Highly Scattering Turbid Media
R. R. Alfano, X. Liang, L. Wang, P. P. Ho

The X-ray Surface Forces Apparatus: Structure of a Thin Smectic Liquid Crystal Film Under Confinement
S. H. J. Idzias, C. R. Safinya, R. S. Hill, K. E. Kraiser, M. Ruths, H. E. Warriner, S. Steinberg, K. S. Liang, J. N. Israelachvili

Functional Role of Type I and Type II Interferons in Antiviral Defense

Involvement of the IFN-1 Transcription Factor in Antiviral Responses to Interferons

Expanding the Scope of RNA Catalysis
J. R. Prudent, T. Uno, P. G. Schultz

A Low-Barrier Hydrogen Bond in the Catalytic Triad of Serine Proteases
P. A. Frey, S. A. Whitt, J. B. Tobin

Crystal Structure of Rat DNA Polymerase β: Evidence for a Common Polymerase Mechanism
M. R. Sawaya, H. Pelletier, A. Kumar, S. H. Wilson, J. Kraut

Maternal Rescue of Transforming Growth Factor–β Null Mice

Implications of FRA16A Structure for the Mechanism of Chromosomal Fragile Site Genesis
J. K. Nancarrow, E. Kremer, K. Holman, H. Eyre, N. A. Doggett, D. Le Paslier, D. F. Callen, G. R. Sutherland, R. I. Richards

Receptor and Ligand Domains for Invasion of Erythrocytes by Plasmodium falciparum
B. K. L. Sim, C. E. Chittis, K. Wasniewska, T. J. Hadley, L. H. Miller

Structure of the RGD Protein Decorins: Conserved Motif and Distinct Function in Leech Proteins That Affect Blood Clotting
A. M. Krezel, G. Wagner, J. Seymour-Ulmer, R. A. Lazarus

Sequestration of GPI-Anchored Proteins in Caveolae Triggered by Cross-Linking
S. Mayor, K. G. Rothberg, F. R. Maxfield

1915
Complex fluid confinement

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