NEWS & COMMENT
U.S. Power Outage Won’t Dim ITER 282
Advisory Panel Seeks Cost-Saving Solutions 283

Does Rochester Without Math Add Up? 284
Research Gets Big Boost One Year After Kobe Earthquake 285
AMS Adds Realism to Chemical Risk Assessment 286
Human Genetics: New U.K. Committee Draws Fire 287

RESEARCH NEWS
Closing In On Superconductivity 288
Blue Laser Race Turns Red-Hot 289
Social Status Sculpts Activity of Crayfish Neurons 290
Choreographing the Bacterial Cell Cycle 291

DEPARTMENTS
THIS WEEK IN SCIENCE 269
EDITORIAL 273
LETTERS 275

RANDOM SAMPLES 295
Highly Cited Women in Science • Comet Could Be the Century’s Brightest • California Connectedness • Bragging About Crystals • Chinese Math Puzzle • Malaria Made Visible With X-rays • What’s in a Domain Name

BOOK REVIEWS 309
Plasma Physics, Introduction to Plasma Physics, and Plasma Physics, reviewed by D. Montgomery • Other Books of Interest • Vignettes • Books Received

PRODUCTS & MATERIALS 387

SCIENCE’S NEXT WAVE 391
Climbing the Corporate Ladder—Using Scientific Skills

Life at the Top: Animals Pay the High Price of Dominance 292
Interfering With Atoms to Clear a Path for Lasers 293
New Tumor Suppressor Found in Pancreatic Cancer 294

PERSPECTIVES
Microscopic Tunneling Spectroscopy on High-Temperature Superconductors K. Kitazawa 313
Checkpoints Take the Next Step A. M. Carr 314
Cellular Microbiology Emerging P. Cossart, P. Boquet, S. Normark, R. Rappuoli 315

ARTICLES
Covalent Fulleren Chemistry F. Diederich and C. Thilgen 317
Toward an Understanding of the Correlates of Protective Immunity to HIV Infection B. F. Haynes, G. Pantaleo, A. S. Fauci 324

SHORT but folded up

342

Serotonin and crayfish dominance

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Scanning superconducting quantum interface device microscope image of the magnetic field trapped in thin-film rings of a thallium-based cuprate high-temperature superconductor. The lower right control ring is in the one flux quantum state, the center ring is in the one-half flux quantum state, and the other two rings are in the zero flux quantum state. This result provides strong support for d-wave pairing symmetry in high-temperature cuprate superconductors. See page 329 and News story on page 288. [Image: Cliff Pickover]

RESEARCH ARTICLE

Pairing Symmetry in Single-Layer Tetragonal $Tl_2Ba_2CuO_x$ Superconductors

REPORTS

Recent Changes in Eastern Mediterranean Deep Waters
W. Roether, B. B. Manca, B. Klein, D. Bregant, D. Georgopoulos, V. Beitzel, V. Kovačević, A. Luchetta

Chromophores with Strong Heterocyclic Acceptors: A Polychromatic Polymer with a Large Electro-Optic Coefficient

Chaos and the Shapes of Elliptical Galaxies
D. Merritt

Mineralization of Chlorofluorocarbons and Aromatization of Saturated Fluorocarbons by a Convenient Thermal Process
J. Burdeniuc and R. H. Crabtree

Design of a Monomeric 23-Residue Polyepitope with Defined Tertiary Structure
M. D. Struthers, R. P. Cheng, B. Imperiali

Assembly of a Ribonucleoprotein Catalyst by Tertiary Structure Capture
K. M. Weeks and T. R. Cech

C3d of Complement as a Molecular Adjuvant: Bridging Innate and Acquired Immunity

DPC4, A Candidate Tumor Suppressor Gene at Human Chromosome 18q21.1

rad-Dependent Response of the chkl-Encoded Protein Kinase at the DNA Damage Checkpoint
N. C. Walworth and R. Bernards

Regulation of RAD53 by the ATM-Like Kinases MEC1 and TEL1 in Yeast Cell Cycle Checkpoint Pathways
Y. Sanchez, B. A. Desany, W. J. Jones, Q. Liu, B. Wang, S. J. Elledge

Bone Morphogenetic Protein—1: The Type I Procollagen C—Proteinase
E. Kessler, K. Takahara, L. Biniaminov, M. Brusel, D. S. Greenspan

Role of β-Arrestin in Mediating Agonist-Promoted G Protein—Coupled Receptor Internalization
S. S. G. Ferguson, W. E. Downey III, A.-M. Colapietro, L. S. Barak, L. Ménard, M. G. Caron

The Effect of Social Experience on Serotonergic Modulation of the Escape Circuit of Crayfish
S.-R. Yeh, R. A. Fricke, D. H. Edwards

Zinc-Induced Collapse of Augmented Inhibition by GABA in a Temporal Lobe Epilepsy Model
E. H. Buhl, T. S. Otis, I. Mody

TECHNICAL COMMENTS

Analog Computational Power
H. T. Siegelmann

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