NEWS & COMMENT

U.S. Neutron Scientists Settle for Less
Europe and Japan Burst Ahead on Neutron Facilities

Space Station: Construction Costs May Bite Into Science

Despite Anxiety, NIH Begins Merging Neuroscience Panels

Former Soviet Bloc: Hughes Grants Brighten Outlook for Elite Researchers

European Labs Brace for German Cuts

E-journal: Delayed But Still a Force

RESEARCH NEWS

Forging a Path to Cell Death

Painting Pictures With Atom Waves

New Experiments Underscore Warnings on Maternal Drinking

Genes vs. Teams: Weighing Group Tactics in Evolution

POLICY FORUM

The Public Health Risk of Animal Organ and Tissue Transplantation into Humans

F. A. Murphy

PERSPECTIVES

Is the New Variant of Creutzfeldt-Jakob Disease from Mad Cows?

P. G. Smith and S. N. Cousins

Why Stress Is Bad for Your Brain

R. M. Sapolsky

STATs Find That Hanging Together

Can Be Stimulating

S. Leung, X. Li, G. R. Stark

Calculated Clusters

D. Voss

ARTICLE

The Argentine Precordillera: A Traveler from the Ouachita Embayment of North American Laurentia

W. A. Thomas and R. A. Astini

DEPARTMENTS

THIS WEEK IN SCIENCE

EDITORIAL

Pharmaceuticals Based on Biotechnology

LETTERS

Promoting Teaching: S. Metzenberg; H. M. Lenhoff


SCIENCESCOPE

AAAS Board of Directors

Rita R. Colwell

Retiring President, Chairman

Jane Lubchenco

President

Mildred S. Dresselhaus

President-elect

Sheila Jasanoff

William A. Lester Jr.

Simon A. Levin

Marcia C. Linn

Michael J. Novacek

Anna C. Roosevelt

Jean E. Taylor

Nancy S. Wexler

William T. Golden

Treasurer

Richard S. Nicholson

Executive Officer

RANDOM SAMPLES

Multiple Sclerosis: A Multigene Disease • Rainmaking • Troubled Italian Space Agency Gets New Chief • Grassroots Search for Primes ... • ... Or for E.T. • Nanotube Pipe Cleaners • U.S. Medalists Prescribe Tech Strategies

BOOK REVIEWS

The Cigarette Papers, Smokescreen, and Ashes to Ashes, reviewed by S. D. Sugarman • The Way Life Works, P. Szuromi • Vignettes

PRODUCTS & MATERIALS

784

Neurofilaments in motion

739

Teamwork in evolution

784

Neurofilaments in motion

739

Teamwork in evolution

712
Chondrule (850 μm in diameter) from the unmetamorphosed Chairun meteorite, containing excess $^{26}\text{Al}$ from decay of $^{26}\text{Al}$ 4.6 billion years ago. Initial abundance of $^{26}\text{Al}$ is one-fifth of that in Ca-Al inclusions, the oldest solids formed in the solar system, implying that chondrules formed—and the solar nebula lasted—for more than 2 million years. The chondrule includes glass (dark magenta), brightly colored olivine and dendritic pyroxene, and blocky spinel (light magenta). See page 757. [Transmitted polarized light (plus gypsum plate) photo: G. J. MacPherson]

**RESEARCH ARTICLE**

Evidence for Widespread $^{26}\text{Al}$ in the Solar Nebula and Constraints for Nebula Time Scales
S. S. Russell, G. Srinivasan, G. R. Huss, G. J. Wasserburg, G. J. MacPherson

**REPORTS**

“Single-Electron Parametron”: Reversible Computation in a Discrete-State System
K. K. Likharev and A. N. Korotkov

“Tubules-Within-a-Tubule”
Hierarchical Order of Mesoporous Molecular Sieves in MCM-41
H.-P. Lin and C.-Y. Mou

Oil-Water Interface Templating of Mesoporous Macroscale Structures
S. Schacht, Q. Huo, I. G. Voight-Martin, G. D. Stucky, F. Schüth

Mongolian Tree Rings and 20th-Century Warming
G. C. Jacoby, R. D. D’Arrigo, T. Davaajams

Photopolymerization and Mass-Independent Sulfur Isotope Fractionations in Carbon Disulfide
J. J. Colman, X. Xu, M. H. Thiemens, W. C. Trogler

A Statistical Model of the Fluctuations in the Geomagnetic Field from Paleoecosystem Variation to Reversal
P. Camps and M. Prévote

Absorption of Solar Energy in the Atmosphere: Discrepancy Between Model and Observations
A. Arking

Subnanometer-Diameter Wires Isolated in a Polymer Matrix by Fast Polymerization

Visualization of Slow Axonal Transport in Vivo
S. Tenada, T. Nakata, A. C. Peterson, N. Hirokawa

Immunodeficiency in Protein Kinase CB-Deficient Mice
M. Leitges, C. Schmedt, R. Guinamard, J. Davoust, S. Schaal, S. Stabel, A. Tarakhovsky

Activation of Pyk2 by Stress Signals and Coupling with JNK Signaling Pathway
G. Tokiwa, I. Dikic, S. Lev, J. Schlessinger

Cooperative DNA Binding and Sequence-Selective Recognition Conferred by the STAT Amino-Terminal Domain
X. Xu, Y.-L. Sun, T. Hoey

Diffusional Mobility of Golgi Proteins in Membranes of Living Cells

Central Hypotensive Effects of the $\alpha_2$-Adrenergic Receptor Subtype L. B. MacMillan, L. Hein, M. S. Smith, M. T. Piascik, L. E. Limbird

Cardiovascular Regulation in Mice Lacking $\alpha_2$-Adrenergic Receptor Subtypes b and c
R. E. Link, K. Desai, L. Hein, M. E. Stevens, A. Chruscinski, D. Bernstein, G. S. Barsh, B. K. Koblika

Functional Uncoupling of Linked Neurotransmitter Effects by Combinatorial Convergence
V. Brezina, I. V. Orehkova, K. R. Weiss

Organization of Diphtheria Toxin T Domain in Bilayers: A Site-Directed Spin Labeling Study
K. J. Oh, H. Zhan, C. Cui, K. Hideg, R. J. Collier, W. L. Hubell

Genome Sequence of a Human Tumorigenic Poxvirus: Prediction of Specific Host Response-Evasion Genes
T. G. Senkevich, J. J. Bugert, J. R. Sisler, E. V. Koonin, G. Darai, B. Moss

On the Web

Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**
Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/273/5276

**Permissions**
Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl