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SCIENCE • VOL. 273 • 9 AUGUST 1996
Chondrule (850 μm in diameter) from the unmetamorphosed Chainpur meteorite, containing excess 26Mg from decay of 26Al 4.6 billion years ago. Initial abundance of 26Al 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 26Al in the Solar Nebula and Constraints for Nebula Time Scales

S. S. Russell, G. Srinivasan, G. R. Huss, G. J. Wasserburg, G. J. MacPherson

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“Tubules-Within-a-Tubule” Hierarchical Order of Mesoporous Molecular Sieves in MCM-41

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A Statistical Model of the Fluctuations in the Geomagnetic Field from Paleosecular Variation to Reversal

P. Camps and M. Prévot

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. Terada, T. Nakata, A. C. Peterson, N. Hirokawa

Immunodeficiency in Protein Kinase Cβ-Deficient Mice

M. Leitges, C. Schmedt, R. Guinamard, J. Davoust, S. Schaaf, 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

Y. Xu, Y.-L. Sun, T. Hoey

Diffusional Mobility of Golgi Proteins in Membranes of Living Cells


Central Hypotensive Effects of the α2-Adrenergic Receptor Subtype

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Cardiovascular Regulation in Mice Lacking α2-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. Orekhova, K. R. Weiss

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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

Breaking News: Possible Life on Mars?

A special electronic preprint of the McKay et al. paper is available at http://www.sciencemag.org/
Science 273 (5276), 715-818.