NEWS & COMMENT

Britain's Big Science in a Bind 898
Walker Sets Off Alarm Bells With Efforts to Rein In EOS 900
NCI Cuts Contracts to Fund More Grants 901
Calculus Reform Sparks a Backlash 901
Linacs Offer Straight Line To Future 902
Heavy Hitters Anchor the AAAS Lineup at Annual Meeting 903

RESEARCH NEWS

Setting a Biological Stopwatch 905
Evolving Rhythms 906
Star-Watchers Team Up Telescopes for a Sharper View 907
Adding Depth to X-ray Maps 908
New Clues to Brain Dopamine Control, Cocaine Addiction 909
Seismologists Learn the Language of Quakes 910
Quark Studies Put Theorists in a Spin 911
Leishmania Susceptibility Puzzle Gets Another Twist 912

PERSPECTIVES

Do Big and Little Earthquakes Start Differently J. E. Vidale 952
Bio-Molecular Dynamics Comes of Age H. J. C. Berendsen 954
When Proteins Receive Deadly Messages at Birth S. Jentsch 955

RESEARCH ARTICLE

A Lower Limit on the Age of the Universe 957
B. Chaboyer, P. Demarque, P. J. Kernan, L. M. Krauss 957

DEPARTMENTS

THIS WEEK IN SCIENCE 885
EDITORIAL 889
LETTERS 891

SCIENCESCOPE 897
RANDOM SAMPLES 915
BOOK REVIEWS 948

PRODUCTS & MATERIALS 1003

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The isolated water pentamer adopts a ring structure, with each molecule acting as a single donor and single acceptor of a hydrogen bond. The average separation between oxygen atoms (red spheres) is 2.76 angstroms. Similar water pentagons are prominent structures in the dynamic hydrogen-bonding network revealed in computer simulations of liquid water, like that depicted in the background. See page 929 in the Special Section on clusters beginning on page 920, and a related Report (page 963). [Image: Tim Robinson, Chemistry Graphics Facility, University of California, Berkeley]

## REPORTS

Dust: A Diagnostic of the Hydrologic Cycle During the Last Glacial Maximum 962

Y. L. Yung, T. Lee, C.-H. Wang, Y.-T. Shieh

From Topographies to Dynamics on Multidimensional Potential Energy Surfaces of Atomic Clusters 963

K. D. Ball, R. S. Berry, R. E. Kunz, F.-Y. Li, A. Proykova, D. J. Wales


J. Corker, F. Lefebvre, C. Lécuyer, V. Dufaud, F. Quignard, A. Choplin, J. Evans, J.-M. Basset

Catalytic Cluster: Fluid-Membrane-Based Hydrogels Containing Polymer Liquids 969

H. E. Warriner, S. H. J. Idziak, N. L Slack, P. Davidson, C. R. Safinya

Were Thick Galactic Disks Made by Levitation? 973

S. Sridhar and J. Touma

Complex Phase Behavior in Solvent-Free Nonionic Surfactants 976


Chain Migration of Neuronal Precursors 978

C. Lois, J.-M. Garcia-Verdugo, A. Alvarez-Buylla

Role of Rho in Chemotactant-Activated Leukocyte Adhesion Through Integrins 981

C. Laudanna, J. J. Campbell, E. C. Butcher

Genetic Susceptibility to Leishmania: 984


Susceptibility to Leishmania major 987

IL-12 Responsiveness in T H 1 Cell Development 990


Phenotypes of Mouse diabetes and Rat fatty Due to Mutations in the OB (Leptin) Receptor 994


Ligand Binding: Molecular Mechanics 997

Calculation of the Streptavidin-Biotin Rupture Force 1000

H. Grumbinner, B. Heymann, P. Tavan

Direct Visualization of A-, P-, and E-Site Transfer RNAs in the Escherichia coli Ribosome 1001


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## Indicates accompanying feature

Neurons traveling in chains
Science 271 (5251), 885-1004.