This Week in Science

Editorial
1041 The Challenge to U.S. Competitiveness: ROBERT M. WHITE

Perspective
1043 What Myosin Might Do: F. SOLOMON

Letters

News & Comment
1052 Ozone Plan Splits Administration
1054 Regulating Pesticides: The "Delaney Paradox"
1055 PHS Revitalization Plan Stirs Up NIH
1056 Ariane, Shuttle Delayed Again
1057 Bavaria Requires AIDS Testing
1057 Prosecution Urged In Fraud Case
1058 Briefing: Madagascar Is the Focus of Habitat Project - Overhaul Recommended for British Geology - Congress to Weigh Animal Patents - IBM to Give Cornell a $20-Million Computer - A Warning on Oil Imports - Vaccine Test Okayed

Research News
1059 Leukemia Virus Linked to Nerve Disease
1061 The Earliest "Humans" Were More Like Apes
1063 An Oxygen Key to the New Superconductors: Where the Oxygen Vacancies Are - Vacancy Ordering and Superconductivity - Oxygen Isotypes Spell Trouble for Phonons

Articles
1069 Managing the Soils of Sub-Saharan Africa: R. LAL
1076 Freezing: A. D. J. HAYMET

Research Articles
1081 Antisense RNA Inactivation of Myosin Heavy Chain Gene Expression in Dictyostelium discoideum: D. A. KNECHT AND W. F. LOOMIS
1086 Disruption of the Dictyostelium Myosin Heavy Chain Gene by Homologous Recombination: A. De LOZANNE AND J. A. SPUDICH

Reports
1092 Observation of Phase Transitions in Spreading Activation Networks: J. SHRAGER, T. HOGG, B. A. HUBERMAN

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Multinucleated cells of *Dictyostelium discoideum* cells that arise when cytokinesis is impaired by the lack of myosin heavy chain protein. The bright spots are nuclei fluorescently stained with the DNA binding dye Hoechst 33258 after fixation of the cells. The phenotype was produced by transforming cells with a vector that encodes myosin heavy chain antisense RNA. See pages 1081 and 1086. [D. A. Knecht and W. F. Loomis, University of California San Diego, La Jolla, CA 92093]


1098 Herbivory in Rocks and the Weathering of a Desert: M. Shachak, C. G. Jones, Y. Granot


1110 Human Cerebral Hemispheres Develop at Different Rates and Ages: R. W. Thatcher, R. A. Walker, S. Giudice

1114 Aedes albopictus in North America: Probable Introduction in Used Tires from Northern Asia: W. A. Hawley, P. Reiter, R. S. Copeland, C. B. Pumpuni, G. B. Craig, Jr.


**Book Reviews**

1125 The Evolution of Human Behavior, reviewed by R. S. O. Harding ■ Phosphate Deposits of the World, P. Cloud ■ Fjords, B. F. Molnia ■ Aeolian Geomorphology, N. Lancaster ■ Books Received

**Software Reviews**

1128 The ASYST Software for Scientific Computing: D. Hary, K. Oshio, S. D. Flanagan
Science 236 (4805), 1039-1132.