NEWS & COMMENT

Goldin Puts NASA on New Trajectory
A New Reason for Being: Science

Report Backs Science, Not New Station

Academy's About-Face on Forensic DNA

Five-Year Science Plan Under Debate

Monkey Study Prompts High-Level Public Health Response

NSF to Take Closer Look at How Support Shapes Careers

Scientists Seek Allies in Fight Against Pseudoscience

National Academy of Sciences Elects New Members

PERSPECTIVES

Recycling Osmium

Uncharacteristic Earthquakes on the San Andreas Fault
L. B. Grant

Transcription Factor IIA: A Structure with Multiple Functions
R. H. Jacobson and R. Tjian

Getting Down to the Core of Homologous Recombination
A. Stasiak

Dengue Hemorrhagic Fever
A. A. James

RESEARCH NEWS

Likely HIV Cofactor Found

Just How Old Is That DNA, Anyway?

California Social Climbers: Low Water Prompts High Status

Added Weight for Neutrino Mass Claim

SOHO Turns an Unblinking Eye on a Turbulent Sun

Revised Galileo Data Leave Jupiter Mysteriously Dry

RESEARCH ARTICLE

Crystal Structure of the Yeast TFIIA/TBP/DNA Complex
J. H. Geiger, S. Hahn, S. Lee, P. B. Sigler

REPORTS

GALILEO PROBES JUPITER'S ATMOSPHERE

Galileo Probe: In Situ Observations of Jupiter's Atmosphere
R. E. Young, M. A. Smith, C. K. Sobeck

DEPARTMENTS

THIS WEEK IN SCIENCE

EDITORIAL
German Science in a Changing World
H. Markl

LETTERS

Board of Reviewing Editors

Frederick W. Alt
Don L. Anderson
Michael Ashburner
Stephen J. Benkovic
Alan Bernstein
David E. Bloom
Piet Borst
Henry R. Bourne
Michael S. Brown
James J. Bull
Kathryn Calame
Dennis W. Choi
David Clapham
Adrienne E. Clarke
John M. Coffin
F. Fleming Crim
Paul J. Crutzen
James E. Dahlberg
Robert Desmonde
Paul T. Englund
G. Ertl
Richard G. Fairbanks
Douglas T. Fearon
Harry A. Fozzard
Roger L. Glass
Stephen P. Goff
N. Goodfellow
Corey S. Goodman
Peter Gruss
Philip C. Hanawalt
Nobutaka Hirokawa
Tomas Hökfelt
Tatsuko Honjo
Susan D. Iverson
Eric F. Johnson
Stephen M. Kosslyn
Michael LaBarbera
Nicole Le Douarin
Charles S. Levinson III
Harvey F. Lodish
Richard Losick
Reinhard Lüthi
Ruth Lynden-Bell
Seth Marder
Diane Mathis
Anthony R. Means
Shigetada Nakanishi
Kim Nasmyth
Roger A. Nicoll
Steffan Normark
Stuart L. Pfenen
Yeshayau Pocker
Ralph S. Quatrano
Martin Raff
V. Ramanathan
Douglas C. Rees
T. M. Rice
David C. Rubie
Erikki Ruoslahti
Gottfried Schatz
Jozef Schell
Ronald H. Schwartz
Terrence J. Sejnowski
Thomas A. Steitz
Michael P. Streyer
Tomoyuki Takahashi
Masatsugu Takeichi
Keiji Tanaka
Robert T. N. Tjian
Yoshinori Tokura
Emil R. Unanue
Geerat J. Vermeij
Bert Vogelstein
Arthur Weiss
Zena Werb
George M. Whitesides
Owen N. Witte
William A. Wulf
Earth-Based Observations of the Galileo Probe Entry Site
G. Orton et al.

Comparison of Galileo-Probe and Earth-Based Translation Rates of Jupiter’s Equatorial Clouds
R. F. Beebe, A. A. Simon, L. F. Huber

Galileo Doppler Measurements of the Deep Zonal Winds at Jupiter
D. H. Atkinson, J. B. Pollack, A. Seiff

Structure of the Atmosphere of Jupiter: Galileo Probe Measurements
A. Seiff et al.

The Galileo Probe Mass Spectrometer: Composition of Jupiter’s Atmosphere
H. B. Niemann et al.

The Helium Mass Fraction in Jupiter’s Atmosphere
U. von Zahn and D. M. Hunten

Solar and Thermal Radiation in Jupiter’s Atmosphere: Initial Results of the Galileo Probe Net Flux Radiometer
L. A. Sromovsky et al.

Results of the Galileo Probe Nephelometer Experiment
B. Ragent, D. S. Colburn, P. Avrin, K. A. Rages

High-Energy Charged Particles in the Innermost Jovian Magnetosphere
H. M. Fischer et al.

Radio Frequency Signals in Jupiter’s Atmosphere
L. J. Lanzerotti et al.

Osmium Recycling in Subduction Zones
A. D. Brandon et al.

Amino Acid Racemization and the Preservation of Ancient DNA
H. N. Poinar, M. Höss, J. L. Bada, S. Pääbo

Polymers with Very Low Polydispersities from Atom Transfer Radical Polymerization
T. E. Patten et al.

Homologous DNA Pairing Promoted by a 20-Amino Acid Peptide Derived from RecA
O. N. Voloshin, L. Wang, R. D. Camerini-Otero

HIV-1 Entry Cofactor: Functional cDNA Cloning of a Seven-Transmembrane, G Protein–Coupled Receptor
Y. Feng, C. C. Broder, P. E. Kennedy, E. A. Berger

Requirement of p27Kip1 for Restriction Point Control of the Fibroblast Cell Cycle
S. Coats et al.

A U1/U4/U5 snRNP Complex Induced by a 2'-O-Methyl-Oligoribonucleotide Complementary to U5 snRNA
G. Ast and A. M. Weiner

Genetically Engineered Resistance to Dengue-2 Virus Transmission in Mosquitoes
K. E. Olson et al.

Two Genetically Separable Steps in the Differentiation of Thymic Epithelium
M. Nehls et al.

Chemical Ulsurpation of a Nest by Paper Wasp Parasites
A. G. Bagnères et al.

An Enhanced Immune Response in Mice Lacking the Transcription Factor NFAT1
S. Xanthoudakis et al.

HYDROGEN-BASED MICROBIAL ECOSYSTEMS IN THE EARTH
E. L. Madsen; D. R. Lovley and F. H. Chapelle; T. Stevens and J. McKinley

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. Line

Michael J. Novacek

Anna C. Roosevelt

Joan E. Taylor

Nancy S. Wester

William T. Golden

Richard S. Nicholson

Executive Officer

SCIENCE (ISSN 0036-8075) is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1200 New York Avenue, NW, Washington, DC 20005. Second-class postage (publication No. 484406) paid at Washington, DC, and additional mailing offices. Copyright © 1996 by the American Association for the Advancement of Science. The title SCIENCE is a registered trademark of the AAAS. Domestic individual membership and subscription (51 issues); $102, $105 allocated to subscription. Domestic institutional subscription (51 issues): $250. Foreign postage extra: Mexico, Caribbean (surface mail) $55; other countries (air assist delivery) $90. First class, airmail, student, and emeritus rates on request. Canadian rates with GST available upon request, GST #125488122. Printed in the U.S.A.

Change of address: allow 4 weeks, giving old and new addresses and 8-digit account number. Postmaster: Send change of address to Science, P.O. Box 1811, Danbury, CT 06813-1811. Single copy sales: $7.00 per issue prepaid includes surface postage; bulk rates on request. Authorization to photocopy material for internal or personal use only is granted provided that $4.00 per article is paid to the Copyright Clearance Center (CCC), Transactional Reporting Service, provided that $4.00 per article is paid directly to CCC, 222 Rosewood Drive, Danvers, MA 01923. The identification code for Science is 0036-8075/96$4.00. Science is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes.