NEWS & COMMENT

Grad School Rankings Rankle 1660
Survey Unnerves Neuroscientists 1661
NIH Funding: The Price of Compromise 1662
Nobel Prizes: Newspaper Backs Down Over Allegations of Impropriety 1663
Science at Risk in Commerce Breakup 1664
Global Change: Report Backs Science, Chides Politicians 1665
AIDS Researchers, Activists Fight Crisis in Clinical Trials 1666
Scientists See Greenhouse, Semiofficially 1667

RESEARCH NEWS

Receptors Find Work As Guides 1668
Malaria Research: Inbred Parasites 1670
May Spur Resistance
Papers Face Off Over Claim of Neutrino Mass Detection 1671

Chesapeake Bay Impact Crater Confirmed 1672
Cell Biology: Two Major Signaling Pathways Meet at MAP-Kinase

PERSPECTIVES

Acetylcholine Receptors: Too Many Channels, Too Few Functions 1681
L. Sivilotti and D. Colquhoun

Minisatellites and Human Disease 1682
T. G. Krontiris

ARTICLE

Vitamin K and Energy Transduction: A Base Strength Amplification Mechanism 1684
P. Dowd, R. Hershline, S. W. Ham, S. Naganathan

RESEARCH ARTICLE

Nicotine Enhancement of Fast Excitatory Synaptic Transmission in CNS by Presynaptic Receptors 1692
D. S. McGehee, M. J. S. Heath, S. Gelber, P. Devay, L. W. Role

1668
Helping neurons find their way

1723
Calcium release in skeletal muscle

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
C. Thomas Caskey
Dennis W. Choi
David Clapham
Adrienne E. Clarke
John M. Coffin
F. Fleming Crim
Paul J. Crutzen
James E. Dahlberg
Robert Desimone
Paul T. Englund
Richard G. Fairbanks
Douglas T. Fearon
Harry A. Fozzard
Klaus Friedrich
Roger I. M. Glass
Stephen P. Goff
Peter N. Goodfellow
Corey S. Goodman
Peter Gruss
Ira Herskowitz
Tomas Hökfelt
Susan D. Iverson
Eric F. Johnson
Stephen M. Koslyn
Michael LaBarbera
Nicole Le Douarin
Charles S. Levinger II
Alexander Lewitzki
Harvey F. Lodish
Richard Losick
Randolph Lührmann
Diane Mathis
Anthony R. Means
Shigetada Nakashima
Kim Nasmyth
Roger A. Nicoll
Staffan Normark
Stuart L. Pimm
Yoshaya Poscher
Dennis A. Powers
Ralph S. Quatrano
Martin Raff
V. Ramanathan
Douglas C. Rees
T. M. Rice
David C. Rubie
Erikku Ruoslahti
Gotthard Schatz
Jozef Schell
Ronald H. Schwartz
Terrence J. Sejnowski
Ellen Solomon
Thomas A. Steitz
Michael P. Streyker
Robert T. N. Tjian
Emil R. Unanue
Geerat J. Vermeij
Bert Vogelstein
Arthur Weiss
Zena Werb
George M. Whitesides
Owen N. Witte
William A. Wulf

1649
THIS WEEK IN SCIENCE

EDITORIAL

Universities Are Our Responsibility 1651
W. H. Danforth

1653
LETTERS

Radioactive Waste at Ward Valley; J. C. Warf; H. Wilshire; T. Althaus; E. Budin; C. M. Grossman; P. H. Abelson

1659
DEPARTMENTS

SCIENCESCOPE

1651
PRODUCTS & MATERIALS

PUBLISHERS' ADDRESSES

1653
BOOK REVIEWS

The Quantum Theory of Fields, reviewed by H. Georgi • Molecular Model Systems in the Leptodactyla, J. B. Nardi • The Telomere, F. Spencer • Vignette • Books Received • Publishers' Addresses

1652
RANDOM SAMPLES

Dana-Farber Leader Resigns • Russian Tycoon Saves Scientists' Travel Fund • Did Eagle Snatch Taung Baby? • Pioneer Out to Pasture

1651
SCIENCE © 1995

THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

Downloaded from http://science.sciencemag.org/ on April 20, 2017
Mature oocyst stage (40 to 60 μm) of a human malaria parasite on the midgut wall of a wild-caught, blood-fed anopheline mosquito from Madang, Papua New Guinea. Measurement of genetic heterozygosity of this stage reveals that the malaria parasite is highly inbred in Papua New Guinea, which has significant implications for the spread of drug-resistant parasite strains. See page 1709 and the related News story on page 1670. [Image: Courtesy of P. Graves, Department of Preventive Medicine and Biometrics, University of Colorado]

**REPORTS**

Condensation of Methane, Ammonia, and Water and the Inhibition of Convection in Giant Planets
T. Guillot

An Improved Procedure for El Niño
D. Chen, S. E. Zebiak, A. J. Busalacchi, M. A. Cane

Synchrotron X-ray Study of Iron at High Pressure and Temperature
S. K. Saxena, L. S. Dubrovinsky, P. Häggkvist, Y. Cerneus, G. Shen, H. K. Mao

Excitation of Spirals and Chiral Symmetry Breaking in Rayleigh-Bénard Convection
R. E. Ecke, Y. Hu, R. Mainieri, G. Ahlers

Laser Separation of Geometrical Isomers of Weakly Bound Molecular Complexes
C. Desfrançois, H. Abdoul-Carime, C. P. Schulz, J. P. Schermann

Mating Patterns in Malaria Parasite

Ethylene Insensitivity Confounded by Arabidopsis ERS Gene
J. Hua, C. Chang, Q. Sun, E. M. Meyerowitz

Convergent Domestication of Cereal Crops by Independent Mutations at Corresponding Genetic Loci

Activation of a G Protein Complex by Ethylene
X. Gong, D. H. Dubois, D. J. Miller, B. D. Shur

Requirement for MAP Kinase (ERK2) Activity in Interferon-α– and Interferon-β–Stimulated Gene Expression Through STAT Proteins

Imaging Elementary Events of Calcium Release in Skeletal Muscle Cells
A. Tsugorka, E. Rios, L. A. Blatter

Activation of Dual T Cell Signaling Pathways by the Chemokine RANTES
K. B. Bacon, B. A. Premack, P. Gardner, T. J. Schall

Regulation of Hippocampal Transmitter Release During Development and Long-Term Potentiation
V. Y. Bolshakov and S. A. Siegelbaum

Regulated Subcellular Distribution of the NR1 Subunit of the NMDA Receptor
M. D. Ehlers, W. G. Tingley, R. L. Huganir

Domain Interaction Between NMDA Receptor Subunits and the Postsynaptic Density Protein PSD-95
H.-C. Kornau, L. T. Schenker, M. B. Kennedy, P. H. Seeburg