NEWS & COMMENT

Clinical Promise, Ethical Quandary
Private Cord Blood Banks Raise Concern

Seeking Out Strange New Worlds
Research Knows No Season As Budget Cycle Goes Awry

Overhauling AIDS Research: Views From the Community
Oceanography: Hearing Highlights Hopes, Realities
Panel Would Close Princeton Reactor

RESEARCH NEWS

Galileo Hits a Strange Spot on Jupiter
Fertile Results: Bringing Up Baby (Eggs)
Is the Dark Matter Mystery Solved?
New Virus Variant Killed Serengeti Cats

Are Algae—Not Coral—Reefs' Master Builders?
Retrimming the Coral Family Tree

Microprocessors Deliver Tetraflaps

DEPARTMENTS

THIS WEEK IN SCIENCE

EDITORIAL

European Education and Science's Next Wave

LETTERS

Keeping Radioactive Waste Dry?: S. Frishman • Genetics and Race: J. P. Rushton; J. Taylor • Publicizing the Value of Basic Research: J. L. Birman • Bullets and Silk in the Old West: J. M. Harp • Climate Change and Consensus: S. F. Singer • Oxidative Stress and Apoptosis in HIV Infection:

G. Baier-Bitterlich, H. Wachter, D. Fuchs • Space Propulsion: J. Grey

SCIENCESCOPE

RANDOM SAMPLES

BOOK REVIEWS

Force of Nature, Litus Pauling, and Linus Pauling in His Own Words, reviewed by H. M. McConnell • Vignettes • Books Received

PRODUCTS & MATERIALS

 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 Deamore
Paul T. Englund
G. Erle
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
Philip C. Hanawalt
Nobutaka Hirokawa
Tomas Hulkes
Tatsuki Horio
Susan D. Iversen
Eric F. Johnson

Stephen M. Kosslyn
Michael LaBarbera
Nicole Le Douarin
Charles S. Levine III
Harvey F. Lodish
Richard Losick
Reinhard Lührmann
Ruth Lynden-Bell
Seth Marder
Dame Mathis
Anthony R. Means
Shigeruji Nakashima
Kim Nasmyth
Roger A. Nicoll
Steffan Normark
Stuart L. Pinn
Yeshayau Pocker
Ralph S. Quatrano
Martin Ruff
V. Ramanathan
Douglas C. Rees
T. M. Rice
David C. Rubie
Erikku Ruuslahi

Gottfried Schatz
Jozef Schell
Ronald H. Schwartz
Teresa J. Sejnowski
Thomas A. Steitz
Michael P. Snyder
Tomoyuki Takahashi
Masatoshi Takahashi
Kazuyu Tanaka
Robert T. N. Tjian
Yoshinori Tokura
Emil R. Unanue

Gaia J. Vermeij
Bert Vogelstein
Arthur Weiss
Zena Werb
George M. Whitesides
Owen N. Witte
William A. Wulf
Living in caves and under coral overhangs on coral reefs, the polyps of the ahermatypic coral Tubastrea sp. expand at night up to 20 to 30 millimeters in diameter) to capture planktonic prey with tentacles armed with batteries of stinging cells. Unlike their hermatypic or reef-building relatives, they do not contain symbiotic algae. See page 637 and the related Report (page 640) on News story (page 597). [Photo: A. T. Marshall, at Heron Island Reef, Australia]

REPORTS

Water-in-Carbon Dioxide 624

Microemulsions: An Environment for Hydrophiles Including Proteins
K. P. Johnston, K. L. Harrison, M. J. Clarke, S. M. Howdle, M. P. Heitz, F. V. Bright, C. Carlier, T. W. Randolph

Crystal and Molecular Structures of Hexamethyleneimine and Hexamethylenium
V. Pfenning and K. Seppelt

P3 Modified Fluorite-Type Structures in Metal Dioxides at High Pressure
J. Haines, J. M. Léger, O. Schulte

Large-Scale Storms in Saturn's Atmosphere During 1994

Group Velocity in Strongly Scattering Media
J. H. Page, P. Sheng, H. P. Schriemer, I. Jones, X. Jing, D. A. Weitz

Calcification in Hertamytic and Ahermatypic Corals
A. T. Marshall

Evolution of Scleractinian Corals
S. L. Romano and S. R. Palumbi

Inferred from Molecular Systematics

Catalysis of Amidé Proton Exchange by the Molecular Chaperones GroEL and SecB
R. Zahn, S. Perrett, G. Stenberg, A. R. Fersht

Protein Kinase N (PKN) and PKN-Related Protein Rhophilin as Targets of Small GTPase Rho

Identification of a Putative Target for Rho as the Serine-Threonine Kinase Protein Kinase N
M. Amano, H. Mukai, Y. Ono, K. Chihara, T. Matsu, Y. Hamajima, K. Okawa, A. Iwamatsu, K. Kaibuchi

Enhanced Perception of Illusory Contours in the Lower Versus Upper Visual Hemifields
N. Rubin, K. Nakayama, R. Shapley

Use-Dependent Blockers and Exit Rate of the Last Ion from the Multi-Ion Pore of a K+ Channel
T. Baukrowitz and G. Yellen

Horizontal Cells of the Primate Retina

Cone Specificity Without Spectral Opponency

Molecular Detection of Primary Bladder Cancer by Microsatellite Analysis
L. Mao, M. P. Schoenberg, M. Scicchitano, Y. S. Erozan, A. Merlo, D. Schwab, D. Sidransky

Expression of a Plasmodium Gene Introduced into Subtelomeric Regions of Plasmodium berghei Chromosomes
M. R. van Dijk, C. J. Janse, A. P. Waters

IRS-1-Mediated Inhibition of Insulin Receptor Tyrosine Kinase Activity in TNF-α- and Obesity-Induced Insulin Resistance
G. S. Hotamisligil, P. Peraldi, A. Budavari, R. Ellis, M. F. White, B. M. Spiegelman

TECHNICAL COMMENTS

The Age of the Waiho Loop Glacial Event
M. C. G. Mabin; G. H. Denton and C. H. Hendy

Plasma Viral Load, CD4+ Cell Counts, and HIV-1 Production by Cells
J. A. Levy, B. Ramachandran, E. Barker, J. Guthrie, T. Elbeik; J. M. Coffin

SCIENCE is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes.

Change of address: allow 4 weeks, giving old and new addresses and 9-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 under circumstances not falling within the fair use provisions of the Copyright Act is granted by AAAS to libraries and other users registered with 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.
Science 271 (5249), 573-700.